HPXA16

ELITE® SERIES

R-410A - Two-Stage Compressor

ENGINEERING DATA

Bulletin No. 210407
April 2005

ENERGY STAR

SEER - up to 17.5
2 to 5 Tons
Cooling Capacity - 25,000 to 59,000 Btuh
Heating Capacity - 22,000 to 54,000 Btuh

MODEL NUMBER IDENTIFICATION

HP X A 16 - 036 - 230 _

Unit Type
HP = Heat Pump Outdoor Unit

Refrigerant Type
X = R-410A

Major Revision

Series

Nominal Cooling Capacity
024 = 2 tons (7.0 kW)
036 = 3 tons (10.6 kW)
048 = 4 tons (14.1 kW)
060 = 5 tons (17.6 kW)

Voltage
230 = 208/230V-1ph-60hz

Minor Revision Number

FEATURES

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WARRANTY

Compressor - limited warranty for **ten years** in residential installations, five years in non-residential installations.

All other covered components - **five years** in residential installations, one year in non-residential installations.

Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

APPLICATION

SEER up to 17.50.
Heating COP up to 3.78.
HSPF (Region IV) up to 9.0.
Sound levels as low as 72 dB.
2 through 5 ton (7 through 17.6 kW).
Single phase power supply.
Vertical air discharge allows concealment behind shrubs at grade level or out of sight on a roof.
Designed for applications with remotely located indoor air handler units or gas furnaces with indoor add-on coils.
When heat pumps are used with gas furnaces, a dual-fuel control (i.e. FM21) or a control system with dual-fuel capabilities (i.e. Harmony III, LPZ-2 or LPZ-4) must be used (ordered extra).
See Indoor Coils and Air Handlers sections for indoor unit data.
Units shipped completely factory assembled, piped and wired. Each unit is test operated at the factory insuring proper operation.
Installer must set outdoor unit, connect refrigerant lines and make electrical connections to complete job.

APPROVALS

Certified in accordance with the USE certification program, which is based on ARI Standard 210/240-94.
Sound rated in Lennox reverberant sound test room in accordance with test conditions included in ARI Standard 270-95.
Tested in the Lennox Research Laboratory environmental test room.
Rated according to U.S. Department of Energy (DOE) test procedures.
Units and components within bonded for grounding to meet safety standards for servicing required by UL and CEC.
Units are UL and ULC listed.
ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment.
ISO 9001 Registered Manufacturing Quality System.

REFRIGERATION SYSTEM

Refrigerant

Non-chlorine, ozone friendly, R-410A.
Unit pre-charged with refrigerant.
See Specification table.

1 Hi-Capacity Liquid Line Drier

Factory installed in the liquid line, the drier traps moisture or dirt that could contaminate the refrigerant system.
100% molecular-sieve, bead type bi-flow drier.

2 Copper Tube/Enhanced Fin Coil

Lennox designed and fabricated coil.
Ripple-edged aluminum fins.
Copper tube construction is corrosion resistant and easy to service.
Precise coil circuiting gives uniform refrigerant distribution for high efficiency.
Wrap around "U" shaped configuration provides extra large surface area with low air resistance.
Fin collars grip tubing for maximum contact area.
Inverted coil circuiting prevents ice buildup at coil base in low ambient operating conditions.
Discharge gas enters bottom of coil during defrost and heat of refrigerant flows counter to water drainage resulting in extremely clean and unobstructed fins and tubes.
Fin spacing allows rapid and complete water drainage.
Flared shoulder tubing connections/silver soldering construction.
Coil is factory tested under high pressure to insure leakproof construction.
Entire coil is accessible for cleaning.

3 Expansion Valve - Outdoor Unit

Designed and sized specifically for use in heat pump system.
Sensing bulb is located on the suction line between the coil and the reversing valve thus sensing evaporator out temperature in any cycle.
Factory installed and piped.

4 Reversing Valve

4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa.
Valve operates on pressure differential between outdoor unit and indoor unit of the system. Factory installed.

FEATURES

REFRIGERATION SYSTEM

5 Outdoor Coil Fan

Direct drive fan moves large air volumes uniformly through entire condenser coil for high refrigerant cooling capacity.

Vertical air discharge minimizes operating sounds and eliminates damage to lawn and shrubs.

Fan motor has sleeve bearings and is inherently protected.

Motor totally enclosed for maximum protection from weather, dust and corrosion.

Rain shield on motor provides additional protection from moisture.

Louvered steel top fan guard furnished as standard.

Fan service access accomplished by removal of top panel.

Discharge Temperature Switch

Shuts off unit if operating conditions cause the compressor discharge line temperature to rise above setpoint.

Protects compressor from excessive pressure/temperature.

Automatic reset when temperature drops below setpoint.

6 High Pressure Switch

Shuts off unit if abnormal operating conditions cause the discharge pressure to rise above setting.

Protects compressor from excessive condensing pressure.

Automatic reset.

Low Pressure Switch

Shuts off unit if suction pressure falls below setting.

Provides loss of charge and freeze-up protection.

Automatic reset.

OPTIONAL ACCESSORIES

Refrigerant Line Kits

Refrigerant lines (vapor & liquid) are shipped refrigeration clean. Lines are cleaned, dried, pressurized and sealed at factory.

Vapor line fully insulated.

L15 lines are stubbed at both ends.

Not available for HPXA16-060 model, must be field fabricated.

Refrigerant line length should not exceed 50 ft. (15 m) in any installation. If longer length lines are required, contact your Lennox Field Technical Consultant.

Check/Expansion Valve Kits

Must be ordered extra and field installed on certain indoor units.

See ARI Ratings tables.

Chatleff style fitting.

Freezestat

Installs on or near the discharge line of the indoor coil or on the suction line.

Senses suction line temperature and cycles the compressor off when suction line temperature falls below it's setpoint.

Opens at 29°F (-2°C) and closes at 58°F (14°C).

Mild Weather Kit

Heat pump units operate satisfactorily in the heating mode at outdoor air temperatures up to 75°F (24°C).

Mild Weather Kit can be field installed, allowing heating operation above 75°F (24°C).

COMPRESSOR

7 Copeland Scroll Ultra Tech™ Two-Stage Compressor

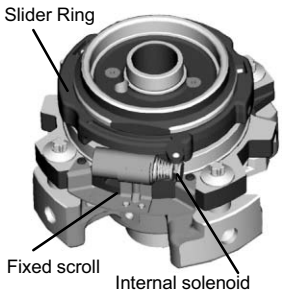
Compressor features high efficiency with uniform suction flow, constant discharge flow and high volumetric efficiency and quiet operation.

Compressor consists of two involute spiral scrolls matched together to generate a series of crescent shaped gas pockets between them.

During compression, one scroll remains stationary while the other scroll orbits around it.

Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates. As the spiral movement continues, gas pockets are pushed to the center of the scrolls. Volume between the pockets is simultaneously reduced.

When pocket reaches the center, gas is now at high pressure and is forced out of a port located in the center of the fixed scrolls.



During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle.

Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency.

Scroll compressor is tolerant to the effects of slugging and contaminants. If this occurs, scrolls separate, allowing liquid or contaminants to to be worked toward the center and discharged.

On the fixed scroll there are two bypass ports in the first suction pocket. On the outside of the fixed scroll there is a "slider ring" that is controlled by an internal solenoid that will rotate and cover the bypass ports. When the thermostat calls for first-stage cooling, the bypass ports are open and the compressor operates at 67% capacity, creating more cost-effective and efficient compressor operation. The bypassed refrigerant is returned to the compressor housing through the bypass ports. When the thermostat calls for second-stage cooling, the internal solenoid is energized, the slider ring rotates and covers the bypass ports, and the compressor operates at full capacity.

Low gas pulses during compression reduces operational sound levels.

Compressor motor is internally protected from excessive current and temperature.

Compressor is installed in the unit on specially formulated, resilient rubber mounts for better sound dampening and vibration free operation.

FEATURES

COMPRESSOR

Crankcase Heater

Crankcase heater prevents migration of liquid refrigerant into compressor and ensures proper compressor lubrication.

Factory installed.

Compressor Hard Start Kit (-024 Models Only)

Increases the compressor starting torque.

Factory installed.

OPTIONAL ACCESSORIES

Compressor Hard Start Kit (-036 -048 -060 Models Only)

Single-phase units are equipped with a PSC compressor motor.

This type of motor normally doesn't need a potential relay and start capacitor.

In conditions such as low voltage, this kit may be required to increase the compressor starting torque.

CONTROLS

8 Defrost Control

Solid-state control furnished as standard.

Gives a demand defrost cycle whenever system heating performance falls below optimum levels. The sensing element on coil determines when defrost cycle is required and when to terminate cycle.

Anti-short cycle (5 minutes) incorporated into the board.

Diagnostic LED's furnished as an aid in troubleshooting.

Conveniently located in control box.

OPTIONAL ACCESSORIES

SignatureStat™ Home Comfort Control

Combination temperature and humidity control.

2 Heat/2 Cool.

Auto-changeover.

Controls humidity during cooling operation.

Easy-to-use, menu driven thermostat with a back-lit, dot-matrix LCD screen.

Remote outdoor sensor (furnished) allows the thermostat to display outdoor temperature and adjust indoor dewpoint temperature for precision humidity control.

See the SignatureStat Engineering Handbook bulletin in the Controls section for more information.

See Controls section and Lennox Price Book for additional thermostats.

Indoor Blower Speed Relay Kit

Kit allows the indoor blower to operate at high-speed during second-stage compressor operation and low-speed during first-stage compressor operation.

Relay kit also provides optimum humidity control conditions by automatically reducing indoor blower speed during continuous fan.

Time Delay Relay Kit

Delays the indoor blower-off time during the cooling cycle.

See ARI Ratings tables for usage.

Monitor Kit - Service Light

Contains ambient compensating thermistor and service light thermostat.

For use with thermostats requiring input for indicator lights.

Low Ambient Kit

Units will operate satisfactorily down to 45°F (7°C) outdoor air temperature without any additional controls.

Kit can be added in the field enabling unit to operate properly down to 30°F (-1°C).

Crankcase heater and a freezestat should be installed on compressors equipped with a low ambient kit.

A compressor lock-out thermostat should be added to terminate compressor operation below recommended operation conditions [on/off operation, 30°F (-1°C) or modulating operation, 0°F (-18°C)].

Outdoor Thermostat Kit

An outdoor thermostat can be used to lock out some of the electric heating elements on indoor units where two stage control is applicable.

Outdoor thermostat maintains the heating load on the low power input as long as possible before allowing the full power load to come on the line.

Thermostat kit and mounting box must be ordered extra.

CABINET

9 Heavy-gauge galvanized steel cabinet with five station metal wash process.

Baked-on outdoor enamel paint finish provides superior rust and corrosion protection.

10 Separate compressor and control compartment insulated with thick fiberglass insulation. Compartment provides protection from the weather and keeps sound transmission at a minimum.

Control box is located in the compressor and controls compartment with all controls factory wired.

Large removable access panel provides complete service access.

Drainage holes are provided in base section for moisture removal.

11 High density polyethylene feet raise the unit off of the mounting surface away from damaging moisture.

12 Non-corrosive PVC (polyvinyl chloride) coated steel wire outdoor coil guard is furnished.

Refrigerant Line Connections, Electrical Inlets and Service Valves

Vapor and liquid lines are located inside unit cabinet and are made with sweat connections. See dimension drawing.

13 Fully serviceable brass service valves prevent corrosion and provide access to refrigerant system. Vapor valve can be fully shut off, while liquid valve may be front seated to manage refrigerant charge while servicing system.

Vapor and liquid line service valves and gauge ports are located inside the cabinet.

Field wiring inlets conveniently located for ease of entry. See dimension drawing.

OPTIONAL ACCESSORIES

Mounting Base

Provides permanent foundation for outdoor units.

High density polyethylene structural material is lightweight, sturdy, sound-absorbing, and will withstand the rigors of the sun, heat, cold, moisture, oil, and refrigerant. Will not mildew or rot.

Dimensions: 32 x 34 x 3 in. (813 x 864 x 76 mm)

Can be shipped singly or in packages of 6 to a carton.

SPECIFICATIONS

General Data	Model No.	HPXA16-024	HPXA16-036	HPXA16-048	HPXA16-060
	Nominal Tonnage (kW)	2 (7.0)	3 (10.6)	4 (14.1)	5 (17.6)
Connections (sweat)	Liquid line o.d. - in. (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
	Vapor line o.d. - in. (mm)	7/8 (22.2)	7/8 (22.2)	7/8 (22.2)	1-1/8 (28.5)
Refrigerant	[1] R-410A furnished	10 lbs. 4 oz. (4.65 kg)	11 lbs. 0 oz. (5.00 kg)	12 lbs. 14 oz. (5.84 kg)	14 lbs. 6 oz. (6.52 kg)
Outdoor Coil	Net face area sq. ft. (m^2) Outer Coil	16.04 (1.49)	16.04 (1.49)	24.06 (2.24)	24.06 (2.24)
	Inner Coil	15.56 (1.45)	15.56 (1.45)	23.33 (2.17)	23.33 (2.17)
	Tube diameter - in. (mm)	5/16 (0.52)	5/16 (0.52)	5/16 (0.52)	5/16 (0.52)
	Number of rows - Fins per inch (m)	2 - 22	2 - 22	2 - 22	2 - 22
Outdoor Fan	Diameter in. (mm) - Number of blades	24 (610) - 3	24 (610) - 3	24 (610) - 4	24 (610) - 4
	Motor hp (W)	1/10 (74.8)	1/10 (74.8)	1/4 (187)	1/4 (187)
	Cfm (L/s)	3159 (1485)	3159 (1485)	3900 (1840)	4200 (1980)
	Rpm	825	825	820	820
	Watts	170	170	300	350
Shipping Data - lbs. (kg) 1 package		261 (118)	262 (119)	318 (144)	340 (154)

ELECTRICAL DATA

	Line voltage data - 60hz	208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
	[3] Maximum overcurrent protection (amps)	20	35	45	60
	[2] Minimum circuit ampacity	13.7	22.1	28.2	33.8
Compressor	Rated load amps	10.3	16.7	21.2	25.7
	Locked rotor amps	52	82	96	118
	Power factor	0.99	0.98	0.99	0.99
Outdoor Coil Fan Motor	Full load amps	0.8	0.8	1.7	1.7
	Locked rotor amps	2	2	3.1	3.1

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

Compressor Hard Start Kit		**10J42**	Factory	•		
		81J69			•	•
Compressor Low Ambient Cut-Off		**45F08**	•	•	•	•
Freezestat	3/8 in. tubing	**93G35**	•	•	•	•
	1/2 in. tubing	**39H29**	•	•	•	•
	5/8 in. tubing	**50A93**	•	•	•	•
Indoor Blower Relay		**40K58**	•	•	•	•
Low Ambient Kit		**54M89**	•	•	•	•
Mild Weather Kit		**33M07**	•	•	•	•
Monitor Kit - Service Light		**76F53**	•	•	•	•
Mounting Base		**69J07**	•	•	•	•
Outdoor Thermostat Kit	Thermostat	**56A87**	•	•	•	•
	Mounting Box - US	**31461**	•	•	•	•
	Canada	**33A09**	•	•	•	•
Refrigerant Line Sets	L15-65-15 L15-65-30	L15-65-40 L15-65-50	•	•	•	
	Field Fabricate					•
SignatureStat™ Home Comfort Control		**81M28**	•	•	•	•
Time Delay Relay		**58M81**	•	•	•	•

NOTE — Extremes of operating range are plus 10% and minus 5% of line voltage.
[1] Refrigerant charge sufficient for 15 ft. (4.6 m) length of refrigerant lines.
[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.
[3] HACR type breaker or fuse.

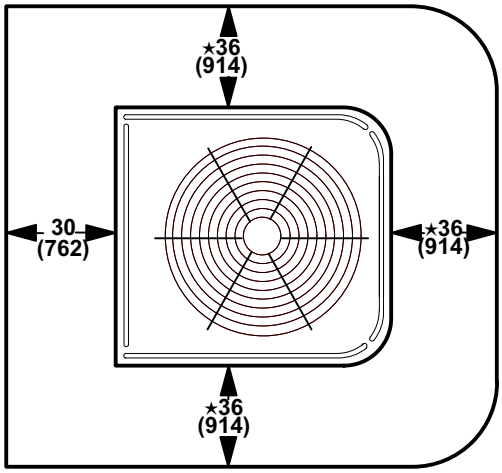
OUTDOOR SOUND DATA

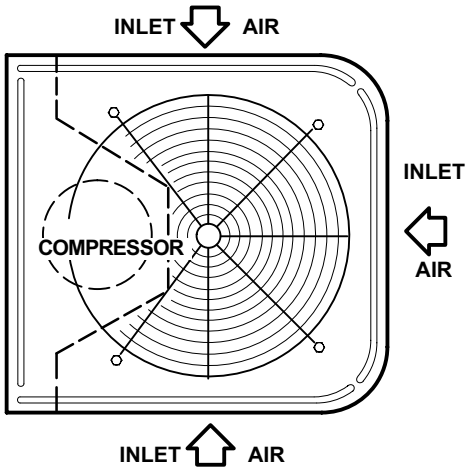
Unit Model No.	Octave Band Sound Power Levels dBA, re 10^{-12} Watts Center Frequency - HZ								[1] Sound\ Rating Number (dB)
	63	125	250	500	1000	2000	4000	8000	
HPXA16-024	47.0	53.5	59.5	65.0	64.5	62.5	57.0	49.0	72
HPXA16-036	59.0	57.5	60.0	65.5	65.0	67.5	58.5	52.0	72
HPXA16-048	49.0	62.5	63.5	68.0	68.5	65.5	59.0	51.0	74
HPXA16-060	54.5	62.5	62.5	70.5	69.5	66.0	60.5	52.5	76

NOTE - the octave sound power data does not include tonal correction.
[1] Tested according to ARI Standard 270-95 test conditions.

DIMENSIONS - INCHES (MM)

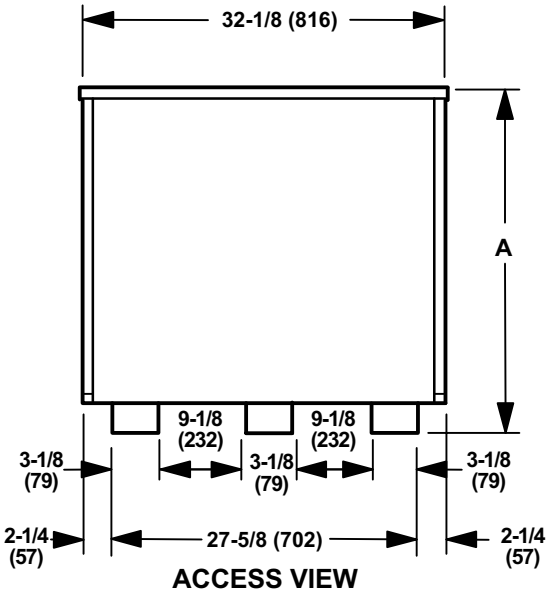
INSTALLATION CLEARANCES



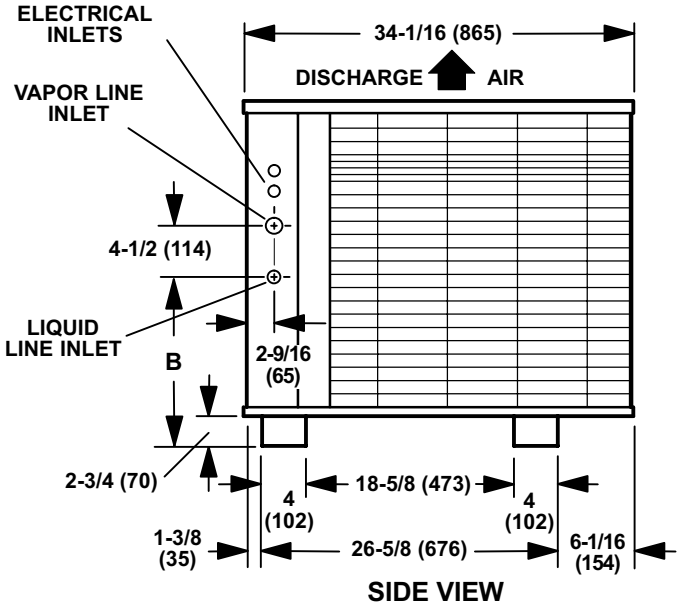


TOP VIEW

★One side of unit may be 12 in. (305 mm)
One of the remaining sides may be 6 in. (152 mm)
NOTE - 48 in (1219 mm) clearance required on top of unit
NOTE - 24 in. (610 mm) required between two units



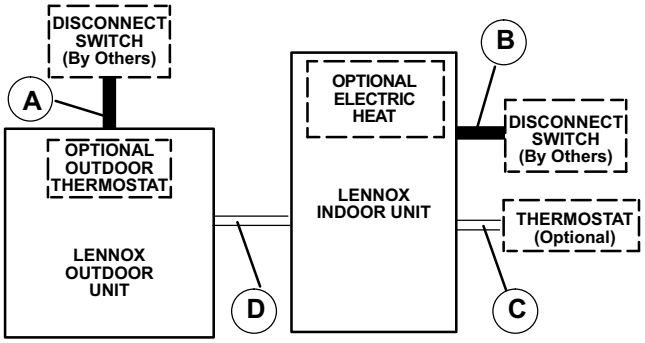
ACCESS VIEW



SIDE VIEW

Model No.	A		B	
	in.	mm	in.	mm
HPXA16-024 HPXA16-036	30-7/8	784	12-3/4	324
HPXA16-048 HPXA16-060	44-7/8	1140	14-1/4	362

FIELD WIRING



A — Two Wire Power (see Electrical Data)

B — Two or Three Wire Power (size to heater capacity)

C — Twelve Wire Low Voltage — 18 ga. minimum

— Fourteen Wire Low Voltage with Optional Outdoor Thermostat

D — Eight Wire Low Voltage — 18 ga. minimum

— Ten Wire Low Voltage with Optional Outdoor Thermostat

— Field Wiring Not Furnished —

All wiring must conform to NEC or CEC and local electrical codes.

ARI RATINGS — 2 TON

Outdoor Unit Model No. / Unit Size / [1] Sound Rating Number		[2] ARI Standard 210/240 Ratings																	
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP	Low Htg. COP	Indoor Unit Model No.	Check and Expansion Valve Kit Required
										HSPF								
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	IV	V							
HPXA16-024 2 Ton (72 dB)	**Air Handlers**	**with R-410A Coils**																
		25,000	7.3	22,800	6.7	14,300	4.2	14.55	11.95	7.70	6.65	2095	1940	1850	3.44	2.26	[4] CBX32M-042 (Multi)	Factory Installed
		25,000	7.3	22,600	6.6	14,200	4.2	14.90	12.10	7.70	6.70	2065	1930	1820	3.44	2.28	[4] CBX32M-030 (Multi)	Factory Installed
		25,000	7.3	22,400	6.6	14,000	4.1	16.45	12.30	7.80	6.80	2035	1925	1800	3.42	2.28	[6,3] CBX32MV-018/024 (Multi)	Factory Installed
		25,200	7.4	22,800	6.7	14,200	4.2	14.95	12.15	7.75	6.70	2075	1920	1830	3.48	2.28	[4] CBX32M-036 (Multi)	Factory Installed
		25,600	7.5	22,200	6.5	13,700	4.0	17.00	13.25	8.10	7.00	1935	1800	1690	3.62	2.38	[6] CBX32MV-024/030 (Multi)	Factory Installed
		26,000	7.6	22,800	6.7	14,000	4.1	17.50	13.15	8.25	7.00	1980	1770	1705	3.78	2.40	[6] CBX32MV-036 (Multi)	Factory Installed
	Up-Flow Indoor Coils + Furnaces	26,000	7.6	22,200	6.5	13,900	4.1	16.90	12.75	7.25	6.35	2040	2040	1935	3.18	2.10	[6] CX34-38B-6F + G61MPV-36B-045	Factory Installed
		26,000	7.6	22,000	6.4	13,800	4.0	17.00	12.85	7.25	6.35	2025	2030	1920	3.18	2.10	[6] CX34-38B-6F + G61MPV-36B-070	Factory Installed
		26,000	7.6	22,000	6.4	13,800	4.0	17.15	12.85	7.30	6.40	2025	2030	1920	3.18	2.10	[6] CX34-38A-6F + G60UHV-36A-070	Factory Installed
		26,000	7.6	22,000	6.4	13,700	4.0	17.25	13.05	7.35	6.40	1995	2005	1890	3.22	2.12	[6] CX34-38B-6F + G60UHV-36B-090	Factory Installed
	Air Handlers	**with R-22 Coils**																
		25,000	7.3	22,800	6.7	14,300	4.2	14.55	11.95	7.70	6.65	2095	1940	1850	3.44	2.26	[4] CB30M-46 (Multi)	[5] **49L24**
		25,000	7.3	22,600	6.6	14,200	4.2	14.90	12.10	7.70	6.70	2065	1930	1820	3.44	2.28	[4] CB30M -31 (Multi)	[5] **49L24**
		25,200	7.4	22,800	6.7	14,200	4.2	14.65	12.10	7.70	6.65	2085	1935	1850	3.46	2.24	[4] CB30U-41/46 (Up-Flow)	[5] **49L24**
		25,200	7.4	22,800	6.7	14,200	4.2	14.95	12.15	7.75	6.70	2075	1920	1830	3.48	2.28	[4] CB30M-41 (Multi)	[5] **49L24**
		25,200	7.4	22,600	6.6	14,100	4.1	15.10	12.40	7.75	6.70	2035	1905	1800	3.48	2.30	[4] CB30U-31 (Up-Flow)	[5] **49L24**
		26,000	7.6	22,800	6.7	14,000	4.1	17.50	13.15	8.25	7.00	1980	1770	1705	3.78	2.40	[6] CB31MV-41 (Multi)	[5] **49L24**
	Up-Flow Indoor Coils + Furnaces	26,000	7.6	22,200	6.5	13,900	4.1	16.90	12.75	7.25	6.35	2040	2040	1935	3.18	2.10	[6] C33-38B + G61MPV-36B-045	[5] **49L24**
		26,000	7.6	22,000	6.4	13,800	4.0	17.00	12.85	7.25	6.35	2025	2030	1920	3.18	2.10	[6] C33-38B + G61MPV-36B-070	[5] **49L24**
		26,000	7.6	22,000	6.4	13,800	4.0	17.15	12.85	7.30	6.40	2025	2030	1920	3.18	2.10	[6] C33-38A + G60UHV-36A-070	[5] **49L24**
		26,000	7.6	22,000	6.4	13,700	4.0	17.25	13.05	7.35	6.40	1995	2005	1890	3.22	2.12	[6] C33-38B + G60UHV-36B-090	[5] **49L24**
	Horizontal Indoor Coils + Furnaces	25,600	7.5	22,200	6.5	13,900	4.1	16.80	12.55	7.25	6.35	2040	2045	1935	3.18	2.10	[6] CH33-42B-2F + G61MPV-36B-045	[5] **49L24**
		25,600	7.5	22,000	6.4	13,900	4.1	16.85	12.65	7.25	6.35	2025	2035	1920	3.16	2.12	[6] CH33-42B-2F + G61MPV-36B-070	[5] **49L24**
		25,600	7.5	22,000	6.4	13,800	4.0	17.10	12.85	7.30	6.40	1995	2015	1890	3.20	2.14	[6] CH33-42B-2F + G60UHV-36B-090	[5] **49L24**

NOTE - These are the only approved system match-ups. For other matches, contact the Lennox Applications Department.

NOTE - Ratings for C33 coils include all cased and uncased coils.

NOTE - When used with gas furnaces, a dual-fuel control (i.e. FM21) or a control system with dual-fuel capabilities (i.e. HarmonyIII, LPZ-2 or LPZ-4) must be used (ordered extra).

1 Sound Rating Number in accordance with test conditions included in ARI Standard 270.

2 Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;
Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.
High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

3 Most popular blower coil combination.

4 Blower must be capable of time-off blower delay, high-speed cooling/heating operation during second-stage compressor operation, and low-speed cooling/heating operation during first-stage compressor operation. Time Delay Relay Kit (**40K58**) and Indoor Blower Speed Relay Kit (**58M81**) are recommend for field installation.

5 **Factory installed check/expansion valve or RFCIV on indoor unit MUST be replaced with separately ordered check/expansion valve kit shown.**

6 Blower control must be set for a time-off blower delay.

ARI RATINGS — 3 TON

Outdoor Unit Model No. / Unit Size / [1] Sound Rating Number		[2] ARI Standard 210/240 Ratings																
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP	Low Htg. COP	Indoor Unit Model No.	Check and Expansion Valve Kit Required
										HSPF								
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	IV	V							
HPXA16-036 3 Ton (72 dB)	**Air Handlers**	**with R-410A Coils**																
		34,200	10.0	32,800	9.6	19,900	5.8	14.75	11.15	8.35	7.15	3065	2790	2475	3.44	2.36	[4] CBX32M-030 (Multi)	Factory Installed
		34,400	10.1	33,000	9.7	20,000	5.9	14.80	11.20	8.40	7.15	3075	2770	2475	3.50	2.36	[4] CBX32M-036 (Multi)	Factory Installed
		34,600	10.1	32,400	9.5	19,500	5.7	15.90	11.70	8.65	7.40	2960	2685	2370	3.54	2.40	[6] CBX32MV-024/030 (Multi)	Factory Installed
		34,800	10.2	32,600	9.6	19,600	5.7	16.45	11.75	8.70	7.35	2965	2645	2350	3.62	2.44	[6] CBX32MV-036 (Multi)	Factory Installed
		35,600	10.4	33,000	9.7	19,900	5.8	14.75	11.65	8.50	7.25	3050	2700	2420	3.58	2.40	[4] CBX32M-048 (Multi)	[5] **49L24**
		36,000	10.6	32,400	9.5	19,300	5.7	17.00	12.40	9.00	7.60	2905	2550	2260	3.72	2.50	[6,3] CBX32MV-048 (Multi)	[5] **49L24**
	Up-Flow Indoor Coils	34,600	10.1	32,000	9.4	19,600	5.7	14.25	11.05	7.75	6.70	3130	2995	2645	3.14	2.16	[4] CX34-44/48B/C-6F	[5] **49L24**
		35,000	10.3	31,400	9.2	19,100	5.6	15.60	11.80	8.00	6.90	2960	2840	2495	3.24	2.24	[6] CX34-44/48B-6F + G60UHV-36B-090	[5] **49L24**
		35,000	10.3	31,600	9.3	19,300	5.7	15.95	11.55	7.90	6.85	3030	2895	2555	3.20	2.22	[6] CX34-44/48B-6F + G61MPV-36B-070	[5] **49L24**
	Air Handlers	**with R-22 Coils**																
		34,200	10.0	32,800	9.6	19,900	5.8	14.75	11.15	8.35	7.15	3065	2790	2475	3.44	2.36	[4] CB30M-31 (Multi)	[5] **49L24**
		34,200	10.0	32,800	9.6	19,900	5.8	14.75	11.15	8.35	7.15	3065	2790	2475	3.44	2.36	[4] CB30U-31 (Up-Flow)	[5] **49L24**
		34,400	10.1	32,800	9.6	20,000	5.9	14.70	11.20	8.40	7.20	3065	2760	2465	3.48	2.38	[4] CB30M-46 (Multi)	[5] **49L24**
		34,400	10.1	33,000	9.7	20,000	5.9	14.80	11.20	8.40	7.15	3075	2770	2475	3.50	2.36	[4] CB30M-41 (Multi)	[5] **49L24**
		34,400	10.1	32,800	9.6	20,000	5.9	14.80	11.20	8.40	7.20	3075	2770	2460	3.48	2.38	[4] CB30U-41/46 (Up-Flow)	[5] **49L24**
		34,800	10.2	32,600	9.6	19,600	5.7	16.45	11.75	8.70	7.35	2965	2645	2350	3.62	2.44	[6] CB31MV-41 (Multi)	[5] **49L24**
		35,600	10.4	33,000	9.7	19,900	5.8	14.75	11.65	8.50	7.25	3050	2700	2420	3.58	2.40	[4] CB30M-51 (Multi)	[5] **49L24**
		35,600	10.4	33,000	9.7	19,900	5.8	14.75	11.65	8.50	7.25	3050	2700	2420	3.58	2.40	[4] CB30U-51 (Up-Flow)	[5] **49L24**
		36,000	10.6	32,400	9.5	19,300	5.7	17.00	12.40	9.00	7.60	2905	2550	2260	3.72	2.50	[6] CB31MV-51 (Multi)	[5] **49L24**
	Up-Flow Indoor Coils	34,600	10.1	32,200	9.4	19,700	5.8	14.25	11.05	7.90	6.85	3130	2945	2610	3.20	2.22	[4] C33-44C	[5] **49L24**
		34,600	10.1	32,000	9.4	19,600	5.7	14.25	11.05	7.75	6.70	3130	2995	2645	3.14	2.16	[4] C33-48B/C	[5] **49L24**
	Up-Flow Indoor Coils + Furnace	34,800	10.2	31,800	9.3	19,400	5.7	16.00	11.50	8.10	7.00	3030	2845	2510	3.28	2.26	[6] C33-44C + G61MPV-36C-090	[5] **49L24**
		35,000	10.3	31,400	9.2	19,100	5.6	15.60	11.80	8.00	6.90	2960	2840	2495	3.24	2.24	[6] C33-48B + G60UHV-36B-090	[5] **49L24**
		35,000	10.3	31,600	9.3	19,200	5.6	15.65	11.80	8.20	7.05	2960	2790	2450	3.32	2.30	[6] C33-44C + G60UHV-36B-090	[5] **49L24**
		35,000	10.3	31,600	9.3	19,300	5.7	15.95	11.55	7.90	6.85	3030	2895	2555	3.20	2.22	[6] C33-48B + G61MPV-36B-070	[5] **49L24**
	Down-Flow Indoor Coils	34,600	10.1	32,400	9.5	19,800	5.8	14.20	11.05	8.05	6.95	3130	2905	2580	3.26	2.24	[4] CR26-48N/W-F	**49L24**
	Down-Flow Indoor Coils + Furnace	35,200	10.3	32,000	9.4	19,300	5.7	15.80	11.90	8.40	7.20	2960	2735	2410	3.42	2.34	[6] CR26-48N-F + [7] G60DFV-60C	**49L24**
	Horizontal Indoor Coils	34,400	10.1	32,400	9.5	19,800	5.8	14.15	11.00	8.05	6.95	3130	2900	2590	3.28	2.24	[4] CH23-51	**49L24**
		34,800	10.2	32,800	9.6	19,900	5.8	14.30	11.10	8.15	6.95	3130	2850	2550	3.38	2.28	[4] CH23-65	**49L24**
		35,000	10.3	32,600	9.6	19,900	5.8	14.40	11.15	8.00	6.90	3135	2890	2570	3.30	2.26	[4] CH33-44/48B-2F	[5] **49L24**
		35,000	10.3	32,400	9.5	19,800	5.8	14.45	11.15	7.95	6.90	3135	2935	2600	3.24	2.22	[4] CH33-48C-2F	[5] **49L24**
	Horizontal Indoor Coils + Furnace	35,200	10.3	32,200	9.4	19,500	5.7	16.10	11.60	8.30	7.10	3030	2790	2465	3.38	2.32	[6] CH33-44/48B-2F + G61MPV-36B-070	[5] **49L24**
		35,200	10.3	32,000	9.4	19,400	5.7	16.10	11.60	8.15	7.00	3035	2835	2500	3.30	2.28	[6] CH33-48C-2F + G61MPV-36C-090	[5] **49L24**
		35,400	10.4	32,000	9.4	19,300	5.7	15.80	11.95	8.40	7.20	2965	2735	2410	3.42	2.34	[6] CH33-44/48B-2F + G60UHV-36B-090	[5] **49L24**

NOTE - These are the only approved system match-ups. For other matches, contact the Lennox Applications Department.

NOTE - Ratings for C33 coils include all cased and uncased coils.

NOTE - When used with gas furnaces, a dual-fuel control (i.e. FM21) or a control system with dual-fuel capabilities (i.e. HarmonyIII, LPZ-2 or LPZ-4) must be used (ordered extra).

1 Sound Rating Number in accordance with test conditions included in ARI Standard 270.

2 Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;
Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.
High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

3 Most popular blower coil combination.

4 Blower must be capable of time-off blower delay, high-speed cooling/heating operation during second-stage compressor operation, and low-speed cooling/heating operation during first-stage compressor operation. Time Delay Relay Kit (**40K58**) and Indoor Blower Speed Relay Kit (**58M81**) are recommend for field installation.

5 **Factory installed check/expansion valve or RFCIV on indoor unit MUST be replaced with separately ordered check/expansion valve kit shown.**

6 Blower control must be set for a time-off blower delay.

7 Includes all heat sizes for this model.

ARI RATINGS — 4 TON

Outdoor Unit Model No. / Unit Size / [1] Sound Rating Number		[2] ARI Standard 210/240 Ratings																
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP	Low Htg. COP	Indoor Unit Model No.	Check and Expansion Valve Kit Required
										HSPF								
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	IV	V							
HPXA16-048 4 Ton (74 dB)	**Air Handlers**	**with R-410A Coils**																
		44,000	12.9	44,000	12.9	25,800	7.6	14.40	11.00	8.25	7.05	4015	3705	3285	3.48	2.30	[4] CBX32M-036 (Multi)	[5] **49L25**
		44,000	12.9	44,000	12.9	25,800	7.6	14.40	11.00	8.25	7.05	4015	3705	3285	3.48	2.30	[4] CBX32M-042 (Multi)	Factory Installed
		44,000	12.9	44,000	12.9	26,000	7.6	15.25	10.85	8.30	7.05	4060	3725	3320	3.46	2.30	[6] CBX32MV-036 (Multi)	[5] **49L25**
		46,500	13.6	44,500	13.0	26,000	7.6	14.60	11.40	8.40	7.10	4075	3630	3265	3.60	2.34	[4] CBX32M-048 (Multi)	Factory Installed
		47,000	13.8	44,500	13.0	26,000	7.6	14.55	11.55	8.30	7.05	4075	3660	3290	3.56	2.32	[4] CBX32M-060 (Multi)	Factory Installed
		47,000	13.8	44,000	12.9	25,800	7.6	16.00	11.60	8.40	7.10	4055	3615	3235	3.56	2.34	[6] CBX32MV-060 (Multi)	Factory Installed
		47,000	13.8	44,500	13.0	26,000	7.6	16.00	11.60	8.50	7.20	4050	3600	3225	3.62	2.36	[6,3] CBX32MV-048 (Multi)	Factory Installed
	Up-Flow Indoor Coils	47,500	13.9	44,000	12.9	26,000	7.6	14.35	11.40	7.90	6.75	4175	3855	3460	3.34	2.20	[4] CX34-62D-6F	Factory Installed
	Up-Flow Indoor Coils + Furnaces	47,500	13.9	44,000	12.9	25,600	7.5	15.75	11.65	8.05	6.85	4075	3755	3360	3.44	2.24	[6] CX34-62D-6F + G61MPV-60D-135	Factory Installed
		48,000	14.1	43,500	12.7	25,400	7.4	15.85	12.00	8.15	6.95	3995	3650	3265	3.50	2.28	[6] CX34-62D-6F + G60UHV-60D-135	Factory Installed
	Air Handlers	**with R-22 Coils**																
		44,000	12.9	44,000	12.9	25,800	7.6	14.10	11.00	8.25	7.00	4015	3710	3290	3.48	2.30	[4] CB30U-41/46 (Up-Flow)	[5] **49L25**
		44,000	12.9	44,000	12.9	25,800	7.6	14.40	11.00	8.25	7.05	4015	3705	3285	3.48	2.30	[4] CB30M-41 (Multi)	[5] **49L25**
		44,000	12.9	44,000	12.9	25,800	7.6	14.40	11.00	8.25	7.05	4015	3705	3285	3.48	2.30	[4] CB30M-46 (Multi)	[5] **49L25**
		44,000	12.9	44,000	12.9	26,000	7.6	15.25	10.85	8.30	7.05	4060	3725	3320	3.46	2.30	[6] CB31MV-41 (Multi)	[5] **49L25**
		46,000	13.5	44,500	13.0	26,200	7.7	14.35	11.25	8.40	7.10	4085	3610	3280	3.62	2.34	[4] CB30U-51 (Up-Flow)	[5] **49L25**
		46,500	13.6	44,500	13.0	26,000	7.6	14.60	11.40	8.40	7.10	4075	3630	3265	3.60	2.34	[4] CB30M-51 (Multi)	[5] **49L25**
		47,000	13.8	44,500	13.0	26,000	7.6	14.55	11.55	8.30	7.05	4075	3660	3290	3.56	2.32	[4] CB30M-65 (Multi)	[5] **49L25**
		47,000	13.8	44,500	13.0	26,000	7.6	15.00	11.50	8.35	7.05	4085	3655	3285	3.56	2.32	[4] CB30U-65 (Up-Flow)	[5] **49L25**
		47,000	13.8	44,000	12.9	25,800	7.6	16.00	11.60	8.40	7.10	4055	3615	3235	3.56	2.34	[6] CB31MV-65 (Multi)	[5] **49L25**
		47,000	13.8	44,500	13.0	26,000	7.6	16.00	11.60	8.50	7.20	4050	3600	3225	3.62	2.36	[6] CB31MV-51 (Multi)	[5] **49L25**
	Up-Flow Indoor Coils	47,500	13.9	44,000	12.9	26,000	7.6	14.35	11.40	7.90	6.75	4175	3855	3460	3.34	2.20	[4] C33-62D	[5] **49L25**
	Up-Flow Indoor Coils + Furnaces	47,500	13.9	44,000	12.9	25,600	7.5	15.75	11.65	8.05	6.85	4075	3755	3360	3.44	2.24	[6] C33-62D + G61MPV-60D-135	[4] **49L25**
		48,000	14.1	43,500	12.7	25,400	7.4	15.85	12.00	8.15	6.95	3995	3650	3265	3.50	2.28	[6] C33-62D + G60UHV-60D-135	[5] **49L25**
	Down-Flow Indoor Coils	45,500	13.3	44,000	12.9	26,000	7.6	13.85	11.00	7.80	6.70	4145	3910	3480	3.30	2.18	[4] CR26-48N/W-F	**49L25**
	Down-Flow Indoor Coils + Furnaces	46,000	13.5	43,500	12.7	25,600	7.5	15.55	11.50	8.10	6.90	4000	3735	3325	3.42	2.26	[6] CR26-48N-F + G60DFV-60C-110	**49L25**
	Horizontal Indoor Coils	47,000	13.8	44,000	12.9	26,000	7.6	14.20	11.30	7.80	6.65	4165	3880	3500	3.32	2.18	[4] CH33-62D-2F	[5] **49L25**
		47,500	13.9	45,000	13.2	26,400	7.7	14.35	11.40	8.35	7.05	4170	3685	3335	3.58	2.32	[4] CH23-68	**49L25**
	Horizontal Indoor Coils + Furnaces	47,000	13.8	44,000	12.9	25,600	7.5	15.55	11.55	7.95	6.75	4070	3780	3405	3.42	2.20	[6] CH33-62D-2F + G61MPV-60D-135	[5] **49L25**
		47,500	13.9	43,500	12.7	25,400	7.4	15.70	11.90	8.10	6.85	3990	3680	3315	3.46	2.24	[6] CH33-62D-2F + G60UHV-60D-135	[5] **49L25**

NOTE - These are the only approved system match-ups. For other matches, contact the Lennox Applications Department.

NOTE - Ratings for C33 coils include all cased and uncased coils.

NOTE - When used with gas furnaces, a dual-fuel control (i.e. FM21) or a control system with dual-fuel capabilities (i.e. HarmonyIII, LPZ-2 or LPZ-4) must be used (ordered extra).

1 Sound Rating Number in accordance with test conditions included in ARI Standard 270.

2 Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;
Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.
High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

3 Most popular blower coil combination.

4 Blower must be capable of time-off blower delay, high-speed cooling/heating operation during second-stage compressor operation, and low-speed cooling/heating operation during first-stage compressor operation. Time Delay Relay Kit (**40K58**) and Indoor Blower Speed Relay Kit (**58M81**) are recommend for field installation.

5 **Factory installed check/expansion valve or RFCIV on indoor unit MUST be replaced with separately ordered check/expansion valve kit shown.**

6 Blower control must be set for a time-off blower delay.

ARI RATINGS — 5 TON

Outdoor Unit Model No. / Unit Size / [1] Sound Rating Number		[2] ARI Standard 210/240 Ratings																	
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP	Low Htg. COP	Indoor Unit Model No.	Check and Expansion Valve Kit Required
										HSPF								
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	IV	V							
HPXA16-060 5 Ton (74 dB)	**Air Handlers**	**with R-410A Coils**																
		56,500	16.6	53,000	15.5	33,400	9.8	14.10	10.80	8.15	7.05	5220	4800	4385	3.24	2.24	[4] CBX32M-048 (Multi)	Factory Installed
		57,000	16.7	53,500	15.7	32,000	9.4	14.95	10.90	8.65	7.45	5230	4725	3890	3.32	2.40	[6] CBX32MV-048 (Multi)	Factory Installed
		57,500	16.9	53,500	15.7	33,600	9.8	14.00	10.90	8.10	7.05	5270	4810	4430	3.26	2.22	[4] CBX32M-060 (Multi)	Factory Installed
		57,500	16.9	54,000	15.8	32,400	9.5	15.00	11.00	8.50	7.30	5235	4855	4010	3.26	2.36	[6,3] CBX32MV-060 (Multi)	Factory Installed
	Up-Flow Indoor Coils	59,000	17.3	53,000	15.5	33,200	9.7	13.85	11.15	7.75	6.80	5290	4930	4540	3.16	2.14	[4] CX34-62D-6F	Factory Installed
	Up-Flow Indoor Coils + Furnaces	58,500	17.1	52,000	15.2	32,800	9.6	14.80	11.35	7.85	6.85	5150	4850	4440	3.14	2.16	[6] CX34-62D-6F + G60UHV-60D-135	Factory Installed
		59,000	17.3	52,500	15.4	33,200	9.7	15.05	11.25	7.85	6.85	5255	4900	4510	3.14	2.16	[6] CX34-62D-6F + G61MPV-60D-135	Factory Installed
	Air Handlers	**with R-22 Coils**																
		55,500	16.3	52,000	15.2	32,800	9.6	13.90	11.00	8.15	7.10	5045	4750	4285	3.20	2.24	[4] CB30U-51 (Up-Flow)	[5] **49L25**
		56,500	16.6	53,000	15.5	33,400	9.8	14.10	10.80	8.15	7.05	5220	4800	4385	3.24	2.24	[4] CB30M-51 (Multi)	[5] **49L25**
		57,000	16.7	53,500	15.7	32,000	9.4	14.95	10.90	8.65	7.45	5230	4725	3890	3.32	2.40	[6] CB31MV-51 (Multi)	[5] **49L25**
		57,500	16.9	53,500	15.7	33,600	9.8	14.00	10.90	8.10	7.05	5270	4810	4430	3.26	2.22	[4] CB30M-65 (7Multi)	[5] **49L25**
		57,500	16.9	53,000	15.5	33,400	9.8	14.10	10.95	8.05	7.05	5240	4820	4405	3.22	2.22	[4] CB30U-65 (Up-Flow)	[5] **49L25**
		57,500	16.9	54,000	15.8	32,400	9.5	15.00	11.00	8.50	7.30	5235	4855	4010	3.26	2.36	[6] CB31MV-65 (Multi)	[5] **49L25**
	Up-Flow Indoor Coils	59,000	17.3	53,000	15.5	33,200	9.7	13.85	11.15	7.75	6.80	5290	4930	4540	3.16	2.14	[4] C33-62D	[5] **49L25**
	Up-Flow Indoor Coils + Furnaces	58,500	17.1	52,000	15.2	32,800	9.6	14.80	11.35	7.85	6.85	5150	4850	4440	3.14	2.16	[6] C33-62D + G60UHV-60D-135	[5] **49L25**
		59,000	17.3	52,500	15.4	33,200	9.7	15.05	11.25	7.85	6.85	5255	4900	4510	3.14	2.16	[6] C33-62D + G61MPV-60D-135	[5] **49L25**
	Down-Flow Indoor Coils	56,000	16.4	52,000	15.2	33,000	9.7	13.70	10.90	7.90	6.80	5130	4875	4410	3.12	2.20	[4] CR26-60N/W-F	**49L25**
	Down-Flow Indoor Coils + Furnaces	57,000	16.7	52,500	15.4	33,200	9.7	14.75	11.00	8.10	7.05	5175	4800	4385	3.20	2.22	[6] CR26-60W-F + G60DFV-60D-135	**49L25**
	Horizontal Indoor Coils	58,000	17.0	52,500	15.4	33,200	9.7	13.70	11.00	7.70	6.75	5275	4980	4570	3.08	2.12	[4] CH33-62D-2F	[5] **49L25**
		58,000	17.0	53,000	15.5	33,200	9.7	13.85	11.15	8.20	7.10	5200	4725	4325	3.28	2.24	[4] CH23-68	**49L25**
	Horizontal Indoor Coils + Furnaces	57,500	16.9	52,000	15.2	32,600	9.6	14.65	11.20	7.75	6.75	5135	4890	4490	3.12	2.12	[6] CH33-62D-2F + G60UHV-60D-135	[5] **49L25**
		58,000	17.0	52,500	15.4	33,000	9.7	14.90	11.05	7.80	6.80	5245	4955	4545	3.10	2.12	[6] CH33-62D-2F + G61MPV-60D-135	[5] **49L25**

NOTE - These are the only approved system match-ups. For other matches, contact the Lennox Applications Department.
NOTE - Ratings for C33 coils include all cased and uncased coils.
NOTE - When used with gas furnaces, a dual-fuel control (i.e. FM21) or a control system with dual-fuel capabilities (i.e. HarmonyIII, LPZ-2 or LPZ-4) must be used (ordered extra).

1 Sound Rating Number in accordance with test conditions included in ARI Standard 270.

2 Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;
Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.
High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

3 Most popular blower coil combination.

4 Blower must be capable of time-off blower delay, high-speed cooling/heating operation during second-stage compressor operation, and low-speed cooling/heating operation during first-stage compressor operation. Time Delay Relay Kit (**40K58**) and Indoor Blower Speed Relay Kit (**58M81**) are recommend for field installation.

5 **Factory installed check/expansion valve or RFCIV on indoor unit MUST be replaced with separately ordered check/expansion valve kit shown.**

6 Blower control must be set for a time-off blower delay.

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CBX32MV-018/024]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	455	215	18.4	5.4	.83	.72	.84	.97	17.4	5.1	.99	.73	.87	.99	16.3	4.8	1.18	.75	.89	1.00	15.2	4.5	1.40	.78	.93	1.00
	595	280	19.8	5.8	.83	.77	.92	1.00	18.7	5.5	.99	.79	.95	1.00	17.5	5.1	1.17	.81	.98	1.00	16.3	4.8	1.39	.84	1.00	1.00
	685	325	20.4	6.0	.83	.80	.96	1.00	19.4	5.7	1.00	.83	.99	1.00	18.2	5.3	1.18	.85	1.00	1.00	17.1	5.0	1.40	.89	1.00	1.00
67°F (19°C)	455	215	19.7	5.8	.83	.57	.69	.80	18.7	5.5	.99	.58	.70	.82	17.6	5.2	1.18	.59	.72	.85	16.4	4.8	1.39	.60	.74	.88
	595	280	21.2	6.2	.84	.60	.74	.87	20.0	5.9	.99	.61	.76	.90	18.9	5.5	1.18	.62	.78	.94	17.5	5.1	1.39	.64	.81	.97
	685	325	22.0	6.4	.84	.62	.77	.92	20.8	6.1	1.00	.63	.79	.95	19.5	5.7	1.18	.65	.82	.98	18.1	5.3	1.39	.67	.86	1.00
71°F (22°C)	455	215	21.0	6.2	.83	.44	.55	.66	20.0	5.9	.99	.44	.56	.67	18.8	5.5	1.18	.45	.57	.69	17.6	5.2	1.39	.45	.58	.71
	595	280	22.6	6.6	.84	.45	.58	.71	21.4	6.3	1.00	.45	.59	.73	20.2	5.9	1.18	.46	.61	.75	18.8	5.5	1.39	.47	.63	.78
	685	325	23.4	6.9	.84	.46	.60	.74	22.2	6.5	1.00	.46	.62	.76	20.8	6.1	1.18	.47	.63	.79	19.4	5.7	1.40	.48	.65	.82

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CBX32MV-018/024]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	620	295	24.0	7.0	1.42	.73	.86	.99	22.8	6.7	1.65	.75	.89	1.00	21.2	6.2	1.91	.77	.92	1.00	19.6	5.7	2.22	.80	.96	1.00
	825	390	25.6	7.5	1.43	.79	.95	1.00	24.2	7.1	1.66	.82	.98	1.00	22.6	6.6	1.92	.84	1.00	1.00	21.0	6.2	2.22	.88	1.00	1.00
	950	450	26.4	7.7	1.43	.83	.99	1.00	25.0	7.3	1.66	.86	1.00	1.00	23.4	6.9	1.93	.89	1.00	1.00	22.0	6.4	2.23	.93	1.00	1.00
67°F (19°C)	620	295	25.6	7.5	1.42	.58	.70	.83	24.2	7.1	1.66	.59	.72	.85	22.6	6.6	1.92	.60	.74	.88	21.0	6.2	2.22	.62	.77	.92
	825	390	27.4	8.0	1.43	.62	.77	.92	25.8	7.6	1.67	.63	.79	.95	24.0	7.0	1.92	.65	.82	.98	22.2	6.5	2.22	.67	.85	1.00
	950	450	28.0	8.2	1.43	.64	.80	.96	26.4	7.7	1.66	.65	.83	.99	24.6	7.2	1.92	.67	.86	1.00	22.8	6.7	2.23	.70	.90	1.00
71°F (22°C)	620	295	27.2	8.0	1.43	.44	.56	.68	25.6	7.5	1.66	.45	.57	.69	24.0	7.0	1.93	.45	.58	.72	22.4	6.6	2.23	.46	.60	.74
	825	390	29.0	8.5	1.44	.46	.60	.74	27.4	8.0	1.67	.46	.61	.76	25.6	7.5	1.93	.47	.63	.79	23.6	6.9	2.23	.48	.65	.83
	950	450	29.8	8.7	1.44	.47	.62	.78	28.0	8.2	1.68	.47	.64	.80	26.2	7.7	1.94	.48	.66	.84	24.4	7.2	2.24	.49	.69	.88

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CBX32MV-018/024]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
455	215	20.7	6.1	1.46	19.2	5.6	1.43	17.7	5.2	1.40	16.3	4.8	1.37
595	280	21.6	6.3	1.29	20.2	5.9	1.26	18.7	5.5	1.23	17.2	5.0	1.20
685	325	22.1	6.5	1.23	20.6	6.0	1.20	19.2	5.6	1.17	17.7	5.2	1.14

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CBX32MV-018/024]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
620	295	26.6	7.8	1.78	20.5	6.0	1.69	14.0	4.1	1.61	9.9	2.9	1.46	4.6	1.3	1.10
825	390	27.5	8.1	1.62	21.4	6.3	1.54	14.9	4.4	1.45	10.8	3.2	1.31	5.5	1.6	.95
950	450	28.0	8.2	1.56	21.9	6.4	1.48	15.4	4.5	1.39	11.3	3.3	1.25	6.0	1.8	.89

HEATING PERFORMANCE at 825 cfm (390 L/s) Indoor Coil Air Volume
HPXA16-024 with [CBX32MV-018/024]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.62	27.5	8.1
60	16	1.60	26.1	7.6
55	13	1.58	24.7	7.2
50	10	1.56	23.3	6.8
47	8	1.55	22.4	6.6
45	7	1.54	21.4	6.3
40	4	1.51	18.6	5.5
35	2	1.49	15.9	4.7
30	-1	1.47	15.4	4.5
25	-4	1.45	14.9	4.4
20	-7	1.43	14.4	4.2
17	-8	1.42	14.0	4.1
15	-9	1.42	13.5	4.0
10	-12	1.40	12.1	3.5
5	-15	1.31	10.8	3.2
0	-18	1.22	9.5	2.8
-5	-21	1.13	8.1	2.4
-10	-23	1.04	6.8	2.0
-15	-26	.95	5.5	1.6
-20	-29	.86	4.2	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CBX32MV-024/030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	420	200	18.1	5.3	.83	.71	.83	.95	17.1	5.0	.99	.72	.85	.97	16.1	4.7	1.18	.74	.87	1.00	14.9	4.4	1.40	.76	.90	1.00
	560	265	19.7	5.8	.83	.76	.90	1.00	18.6	5.5	.99	.78	.93	1.00	17.4	5.1	1.18	.80	.96	1.00	16.2	4.7	1.39	.83	1.00	1.00
	700	330	20.8	6.1	.83	.81	.97	1.00	19.7	5.8	.99	.84	1.00	1.00	18.6	5.5	1.18	.86	1.00	1.00	17.5	5.1	1.40	.90	1.00	1.00
67°F (19°C)	420	200	19.4	5.7	.83	.56	.68	.79	18.4	5.4	.99	.57	.69	.81	17.3	5.1	1.18	.58	.71	.83	16.1	4.7	1.40	.59	.73	.86
	560	265	21.2	6.2	.83	.59	.73	.86	20.0	5.9	.99	.60	.75	.89	18.8	5.5	1.18	.62	.77	.92	17.5	5.1	1.39	.63	.80	.96
	700	330	22.4	6.6	.84	.62	.78	.93	21.2	6.2	1.00	.64	.80	.96	19.7	5.8	1.18	.65	.83	.99	18.3	5.4	1.40	.68	.87	1.00
71°F (22°C)	420	200	20.6	6.0	.83	.43	.54	.65	19.6	5.7	.99	.44	.55	.66	18.5	5.4	1.18	.44	.56	.68	17.3	5.1	1.39	.44	.57	.70
	560	265	22.6	6.6	.84	.45	.57	.70	21.4	6.3	1.00	.45	.59	.72	20.0	5.9	1.18	.46	.60	.74	18.7	5.5	1.39	.46	.62	.77
	700	330	23.8	7.0	.84	.46	.61	.75	22.6	6.6	1.00	.46	.62	.77	21.2	6.2	1.19	.47	.64	.80	19.7	5.8	1.39	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CBX32MV-024/030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.0	7.0	1.42	.73	.86	.98	22.8	6.7	1.65	.74	.88	1.00	21.2	6.2	1.91	.77	.91	1.00	19.6	5.7	2.21	.79	.95	1.00
	800	380	25.8	7.6	1.43	.79	.95	1.00	24.2	7.1	1.66	.81	.98	1.00	22.6	6.6	1.92	.84	1.00	1.00	21.2	6.2	2.22	.88	1.00	1.00
	1000	470	27.0	7.9	1.43	.85	1.00	1.00	25.6	7.5	1.66	.88	1.00	1.00	24.2	7.1	1.92	.92	1.00	1.00	22.6	6.6	2.23	.96	1.00	1.00
67°F (19°C)	600	285	25.6	7.5	1.42	.58	.70	.82	24.2	7.1	1.66	.59	.72	.84	22.6	6.6	1.92	.60	.74	.87	21.0	6.2	2.23	.61	.76	.91
	800	380	27.6	8.1	1.43	.61	.76	.91	25.8	7.6	1.66	.63	.79	.94	24.2	7.1	1.92	.64	.81	.98	22.2	6.5	2.23	.66	.85	1.00
	1000	470	28.6	8.4	1.44	.65	.83	.98	27.0	7.9	1.67	.67	.85	1.00	25.0	7.3	1.93	.69	.89	1.00	23.0	6.7	2.23	.71	.93	1.00
71°F (22°C)	600	285	27.2	8.0	1.43	.44	.56	.67	25.6	7.5	1.66	.44	.57	.69	24.0	7.0	1.93	.45	.58	.71	22.4	6.6	2.23	.45	.60	.74
	800	380	29.2	8.6	1.44	.45	.60	.74	27.4	8.0	1.67	.46	.61	.76	25.6	7.5	1.93	.47	.63	.79	23.8	7.0	2.23	.48	.65	.82
	1000	470	30.4	8.9	1.45	.47	.64	.80	28.6	8.4	1.68	.48	.66	.83	26.6	7.8	1.94	.49	.68	.86	24.6	7.2	2.24	.50	.70	.90

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CBX32MV-024/030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
420	200	20.7	6.1	1.49	19.2	5.6	1.46	17.7	5.2	1.43	16.3	4.8	1.40
560	265	21.6	6.3	1.29	20.2	5.9	1.26	18.7	5.5	1.23	17.2	5.0	1.20
700	330	13.4	3.9	1.16	11.9	3.5	1.13	10.5	3.1	1.10	9.0	2.6	1.07

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CBX32MV-024/030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	25.8	7.6	1.75	20.7	6.1	1.67	15.2	4.5	1.59	11.8	3.5	1.45	7.5	2.2	1.10
800	380	22.8	6.7	1.58	17.7	5.2	1.51	12.2	3.6	1.43	8.8	2.6	1.29	4.5	1.3	.93
1000	470	23.3	6.8	1.49	18.2	5.3	1.41	12.7	3.7	1.33	9.3	2.7	1.19	5.0	1.5	.84

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
HPXA16-024 with [CBX32MV-024/030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.58	22.8	6.7
60	16	1.56	21.7	6.4
55	13	1.54	20.5	6.0
50	10	1.53	19.3	5.7
47	8	1.51	18.6	5.5
45	7	1.51	17.7	5.2
40	4	1.48	15.4	4.5
35	2	1.46	13.2	3.9
30	-1	1.44	12.7	3.7
25	-4	1.43	12.2	3.6
20	-7	1.41	11.8	3.5
17	-8	1.40	11.5	3.4
15	-9	1.40	11.0	3.2
10	-12	1.38	9.8	2.9
5	-15	1.29	8.8	2.6
0	-18	1.20	7.7	2.3
-5	-21	1.11	6.6	1.9
-10	-23	1.02	5.6	1.6
-15	-26	.93	4.5	1.3
-20	-29	.84	3.4	1.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CBX32MV-036] [CB31MV-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	630	295	20.4	6.0	.83	.79	.94	1.00	19.2	5.6	.99	.81	.97	1.00	18.1	5.3	1.17	.83	1.00	1.00	16.9	5.0	1.39	.87	1.00	1.00
	700	330	21.0	6.2	.83	.81	.98	1.00	19.8	5.8	1.00	.84	1.00	1.00	18.7	5.5	1.18	.87	1.00	1.00	17.6	5.2	1.40	.90	1.00	1.00
67°F (19°C)	630	295	21.8	6.4	.84	.61	.76	.90	20.6	6.0	1.00	.62	.78	.93	19.4	5.7	1.18	.64	.80	.96	18.0	5.3	1.39	.66	.83	1.00
	700	330	22.4	6.6	.84	.63	.78	.94	21.2	6.2	1.00	.64	.81	.97	19.8	5.8	1.18	.66	.84	1.00	18.4	5.4	1.39	.68	.87	1.00
71°F (22°C)	630	295	23.4	6.9	.84	.45	.59	.73	22.2	6.5	1.00	.46	.60	.75	20.8	6.1	1.18	.46	.62	.77	19.3	5.7	1.40	.47	.64	.80
	700	330	23.8	7.0	.84	.46	.61	.75	22.6	6.6	1.00	.46	.62	.78	21.2	6.2	1.18	.47	.64	.80	19.7	5.8	1.40	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CBX32MV-036] [CB31MV-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	900	425	26.6	7.8	1.43	.82	.99	1.00	25.0	7.3	1.66	.85	1.00	1.00	23.6	6.9	1.93	.88	1.00	1.00	22.0	6.4	2.23	.92	1.00	1.00
	1000	470	27.2	8.0	1.43	.85	1.00	1.00	25.8	7.6	1.66	.88	1.00	1.00	24.4	7.2	1.92	.92	1.00	1.00	22.8	6.7	2.23	.96	1.00	1.00
67°F (19°C)	900	425	28.2	8.3	1.43	.63	.80	.96	26.6	7.8	1.66	.65	.82	.98	24.8	7.3	1.92	.67	.85	1.00	22.8	6.7	2.23	.69	.89	1.00
	1000	470	28.8	8.4	1.44	.65	.83	.99	27.0	7.9	1.67	.67	.86	1.00	25.2	7.4	1.93	.69	.89	1.00	23.2	6.8	2.23	.72	.94	1.00
71°F (22°C)	900	425	30.0	8.8	1.45	.46	.62	.77	28.2	8.3	1.67	.47	.64	.80	26.4	7.7	1.94	.48	.65	.83	24.4	7.2	2.24	.49	.68	.87
	1000	470	30.6	9.0	1.45	.47	.64	.80	28.8	8.4	1.68	.48	.66	.83	26.8	7.9	1.94	.49	.68	.87	24.8	7.3	2.24	.50	.71	.91

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CBX32MV-036] [CB31MV-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
630	295	22.0	6.4	1.21	20.4	6.0	1.19	18.9	5.5	1.17	17.3	5.1	1.15
700	330	19.5	5.7	1.08	17.9	5.2	1.06	16.4	4.8	1.04	14.8	4.3	1.02

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CBX32MV-036] [CB31MV-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
900	425	23.3	6.8	1.53	18.1	5.3	1.47	12.6	3.7	1.41	9.1	2.7	1.28	4.7	1.4	.93
1000	470	23.8	7.0	1.43	18.6	5.5	1.37	13.1	3.8	1.31	9.6	2.8	1.18	5.2	1.5	.83

HEATING PERFORMANCE at 900 cfm (425 L/s) Indoor Coil Air Volume
HPXA16-024 with [CBX32MV-036] [CB31MV-41]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.48	23.4	6.9
60	16	1.47	22.1	6.5
55	13	1.46	20.9	6.1
50	10	1.44	19.7	5.8
47	8	1.44	19.0	5.6
45	7	1.43	18.1	5.3
40	4	1.41	15.7	4.6
35	2	1.40	13.4	3.9
30	-1	1.39	12.9	3.8
25	-4	1.38	12.5	3.7
20	-7	1.38	12.0	3.5
17	-8	1.37	11.7	3.4
15	-9	1.37	11.2	3.3
10	-12	1.36	10.0	2.9
5	-15	1.27	8.9	2.6
0	-18	1.18	7.8	2.3
-5	-21	1.09	6.7	2.0
-10	-23	1.00	5.7	1.7
-15	-26	.91	4.6	1.3
-20	-29	.82	3.5	1.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-024 [CBX32M-030] [CB30M-31]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	420	200	18.1	5.3	.83	.71	.83	.95	17.1	5.0	.99	.72	.85	.97	16.1	4.7	1.18	.74	.87	1.00	14.9	4.4	1.40	.76	.90	1.00
	560	265	19.7	5.8	.83	.76	.90	1.00	18.6	5.5	.99	.78	.93	1.00	17.4	5.1	1.18	.80	.96	1.00	16.2	4.7	1.39	.83	1.00	1.00
	700	330	20.8	6.1	.83	.81	.97	1.00	19.7	5.8	.99	.84	1.00	1.00	18.6	5.5	1.18	.86	1.00	1.00	17.5	5.1	1.40	.90	1.00	1.00
67°F (19°C)	420	200	19.4	5.7	.83	.56	.68	.79	18.4	5.4	.99	.57	.69	.81	17.3	5.1	1.18	.58	.71	.83	16.1	4.7	1.40	.59	.73	.86
	560	265	21.2	6.2	.83	.59	.73	.86	20.0	5.9	.99	.60	.75	.89	18.8	5.5	1.18	.62	.77	.92	17.5	5.1	1.39	.63	.80	.96
	700	330	22.4	6.6	.84	.62	.78	.93	21.2	6.2	1.00	.64	.80	.96	19.7	5.8	1.18	.65	.83	.99	18.3	5.4	1.40	.68	.87	1.00
71°F (22°C)	420	200	20.6	6.0	.83	.43	.54	.65	19.6	5.7	.99	.44	.55	.66	18.5	5.4	1.18	.44	.56	.68	17.3	5.1	1.39	.44	.57	.70
	560	265	22.6	6.6	.84	.45	.57	.70	21.4	6.3	1.00	.45	.59	.72	20.0	5.9	1.18	.46	.60	.74	18.7	5.5	1.39	.46	.62	.77
	700	330	23.8	7.0	.84	.46	.61	.75	22.6	6.6	1.00	.46	.62	.77	21.2	6.2	1.19	.47	.64	.80	19.7	5.8	1.39	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CBX32M-030] [CB30M-31]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.0	7.0	1.42	.73	.86	.98	22.6	6.6	1.65	.74	.88	1.00	21.2	6.2	1.91	.77	.91	1.00	19.6	5.7	2.21	.79	.95	1.00
	800	380	25.8	7.6	1.43	.79	.95	1.00	24.2	7.1	1.66	.81	.98	1.00	22.6	6.6	1.92	.84	1.00	1.00	21.2	6.2	2.22	.88	1.00	1.00
	1000	470	27.0	7.9	1.43	.85	1.00	1.00	25.6	7.5	1.66	.88	1.00	1.00	24.2	7.1	1.92	.92	1.00	1.00	22.6	6.6	2.23	.96	1.00	1.00
67°F (19°C)	600	285	25.6	7.5	1.42	.58	.70	.82	24.2	7.1	1.66	.59	.72	.84	22.6	6.6	1.92	.60	.74	.87	21.0	6.2	2.23	.61	.76	.91
	800	380	27.4	8.0	1.43	.61	.76	.91	25.8	7.6	1.66	.63	.79	.94	24.2	7.1	1.92	.64	.81	.98	22.2	6.5	2.23	.66	.85	1.00
	1000	470	28.6	8.4	1.44	.65	.83	.98	27.0	7.9	1.67	.67	.85	1.00	25.0	7.3	1.93	.69	.89	1.00	23.0	6.7	2.23	.71	.93	1.00
71°F (22°C)	600	285	27.2	8.0	1.43	.44	.56	.67	25.6	7.5	1.66	.44	.57	.69	24.0	7.0	1.93	.45	.58	.71	22.4	6.6	2.23	.45	.60	.74
	800	380	29.2	8.6	1.44	.45	.60	.74	27.4	8.0	1.67	.46	.61	.76	25.6	7.5	1.93	.47	.63	.79	23.8	7.0	2.23	.48	.65	.82
	1000	470	30.4	8.9	1.45	.47	.64	.80	28.6	8.4	1.68	.48	.66	.83	26.6	7.8	1.94	.49	.68	.86	24.6	7.2	2.24	.50	.70	.90

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CBX32M-030] [CB30M-31]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
420	200	21.2	6.2	1.53	19.7	5.8	1.43	18.2	5.3	1.34	16.8	4.9	1.24
560	265	22.0	6.4	1.52	20.6	6.0	1.43	19.1	5.6	1.33	17.6	5.2	1.24
700	330	19.3	5.7	1.17	17.8	5.2	1.08	16.3	4.8	.98	14.8	4.3	.89

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CBX32M-030] [CB30M-31]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	26.1	7.6	1.75	21.0	6.2	1.67	15.5	4.5	1.59	12.0	3.5	1.45	7.6	2.2	1.10
800	380	23.2	6.8	1.58	18.1	5.3	1.51	12.6	3.7	1.43	9.1	2.7	1.29	4.7	1.4	.93
1000	470	23.6	6.9	1.48	18.5	5.4	1.40	13.0	3.8	1.32	9.5	2.8	1.18	5.1	1.5	.83

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
HPXA16-024 with [CBX32M-030] [CB30M-31]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.58	23.2	6.8
60	16	1.56	22.1	6.5
55	13	1.54	20.9	6.1
50	10	1.53	19.7	5.8
47	8	1.51	19.0	5.6
45	7	1.51	18.1	5.3
40	4	1.48	15.8	4.6
35	2	1.46	13.5	4.0
30	-1	1.44	13.0	3.8
25	-4	1.43	12.6	3.7
20	-7	1.41	12.1	3.5
17	-8	1.40	11.9	3.5
15	-9	1.40	11.4	3.3
10	-12	1.38	10.2	3.0
5	-15	1.29	9.1	2.7
0	-18	1.20	8.0	2.3
-5	-21	1.11	6.9	2.0
-10	-23	1.02	5.8	1.7
-15	-26	.93	4.7	1.4
-20	-29	.84	3.6	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CBX32M-036] [CB30M-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	420	200	18.2	5.3	.83	.71	.83	.95	17.2	5.0	.99	.72	.85	.97	16.1	4.7	1.18	.74	.87	1.00	15.0	4.4	1.40	.76	.91	1.00
	560	265	19.8	5.8	.83	.76	.90	1.00	18.7	5.5	.99	.78	.93	1.00	17.5	5.1	1.18	.80	.96	1.00	16.2	4.7	1.39	.83	1.00	1.00
	700	330	21.0	6.2	.83	.81	.98	1.00	19.8	5.8	1.00	.84	1.00	1.00	18.7	5.5	1.18	.87	1.00	1.00	17.6	5.2	1.40	.90	1.00	1.00
67°F (19°C)	420	200	19.5	5.7	.83	.56	.68	.79	18.5	5.4	.99	.57	.69	.81	17.4	5.1	1.18	.58	.71	.83	16.2	4.7	1.40	.59	.73	.86
	560	265	21.2	6.2	.84	.59	.73	.86	20.0	5.9	.99	.60	.75	.89	18.8	5.5	1.18	.62	.77	.92	17.5	5.1	1.39	.63	.80	.96
	700	330	22.4	6.6	.84	.63	.78	.94	21.2	6.2	1.00	.64	.81	.97	19.8	5.8	1.18	.66	.84	1.00	18.4	5.4	1.39	.68	.87	1.00
71°F (22°C)	420	200	20.8	6.1	.83	.43	.54	.65	19.7	5.8	.99	.44	.55	.66	18.6	5.5	1.18	.44	.56	.68	17.4	5.1	1.39	.44	.57	.70
	560	265	22.6	6.6	.84	.45	.57	.70	21.4	6.3	1.00	.45	.59	.72	20.2	5.9	1.18	.46	.60	.74	18.8	5.5	1.39	.46	.62	.77
	700	330	23.8	7.0	.84	.46	.61	.75	22.6	6.6	1.00	.46	.62	.78	21.2	6.2	1.18	.47	.64	.80	19.7	5.8	1.40	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CBX32M-036] [CB30M-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.0	7.0	1.42	.73	.86	.98	22.8	6.7	1.65	.74	.88	1.00	21.2	6.2	1.91	.77	.91	1.00	19.6	5.7	2.21	.79	.95	1.00
	800	380	25.8	7.6	1.43	.79	.95	1.00	24.2	7.1	1.66	.81	.98	1.00	22.6	6.6	1.92	.84	1.00	1.00	21.2	6.2	2.22	.88	1.00	1.00
	1000	470	27.0	7.9	1.43	.85	1.00	1.00	25.6	7.5	1.66	.88	1.00	1.00	24.2	7.1	1.92	.92	1.00	1.00	22.6	6.6	2.23	.96	1.00	1.00
67°F (19°C)	600	285	25.6	7.5	1.42	.58	.70	.82	24.2	7.1	1.66	.59	.72	.84	22.6	6.6	1.92	.60	.74	.87	21.0	6.2	2.23	.61	.76	.91
	800	380	27.6	8.1	1.43	.61	.76	.91	25.8	7.6	1.66	.63	.79	.94	24.2	7.1	1.92	.64	.81	.98	22.2	6.5	2.23	.66	.85	1.00
	1000	470	28.6	8.4	1.44	.65	.83	.98	27.0	7.9	1.67	.67	.85	1.00	25.0	7.3	1.93	.69	.89	1.00	23.0	6.7	2.23	.71	.93	1.00
71°F (22°C)	600	285	27.2	8.0	1.43	.44	.56	.67	25.6	7.5	1.66	.44	.57	.69	24.0	7.0	1.93	.45	.58	.71	22.4	6.6	2.23	.45	.60	.74
	800	380	29.2	8.6	1.44	.45	.60	.74	27.4	8.0	1.67	.46	.61	.76	25.6	7.5	1.93	.47	.63	.79	23.8	7.0	2.23	.48	.65	.82
	1000	470	30.4	8.9	1.45	.47	.64	.80	28.6	8.4	1.68	.48	.66	.83	26.6	7.8	1.94	.49	.68	.86	24.6	7.2	2.24	.50	.70	.90

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CBX32M-036] [CB30M-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
420	200	21.2	6.2	1.47	19.6	5.7	1.44	18.1	5.3	1.41	16.6	4.9	1.38
560	265	22.2	6.5	1.27	20.7	6.1	1.25	19.1	5.6	1.22	17.6	5.2	1.19
700	330	16.2	4.7	1.09	14.7	4.3	1.06	13.2	3.9	1.03	11.6	3.4	1.01

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CBX32M-036] [CB30M-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	26.4	7.7	1.71	21.2	6.2	1.65	15.7	4.6	1.59	12.2	3.6	1.46	7.8	2.3	1.11
800	380	23.3	6.8	1.53	18.1	5.3	1.47	12.6	3.7	1.41	9.1	2.7	1.28	4.7	1.4	.93
1000	470	23.8	7.0	1.43	18.6	5.5	1.37	13.1	3.8	1.31	9.6	2.8	1.18	5.2	1.5	.83

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
HPXA16-024 with [CBX32M-036] [CB30M-41]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.53	23.3	6.8
60	16	1.52	22.1	6.5
55	13	1.51	20.9	6.1
50	10	1.49	19.7	5.8
47	8	1.48	19.0	5.6
45	7	1.47	18.1	5.3
40	4	1.45	15.8	4.6
35	2	1.42	13.5	4.0
30	-1	1.41	13.1	3.8
25	-4	1.41	12.6	3.7
20	-7	1.40	12.2	3.6
17	-8	1.39	11.9	3.5
15	-9	1.39	11.4	3.3
10	-12	1.37	10.2	3.0
5	-15	1.28	9.1	2.7
0	-18	1.19	8.0	2.3
-5	-21	1.11	6.9	2.0
-10	-23	1.02	5.8	1.7
-15	-26	.93	4.7	1.4
-20	-29	.84	3.6	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CBX32M-042] [CB30M-46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	420	200	18.2	5.3	.83	.71	.83	.95	17.2	5.0	.99	.72	.85	.97	16.1	4.7	1.18	.74	.87	1.00	15.0	4.4	1.40	.76	.91	1.00
	560	265	19.8	5.8	.83	.76	.90	1.00	18.6	5.5	.99	.78	.93	1.00	17.5	5.1	1.18	.80	.96	1.00	16.2	4.7	1.39	.83	1.00	1.00
	700	330	21.0	6.2	.83	.81	.98	1.00	19.8	5.8	1.00	.84	1.00	1.00	18.7	5.5	1.18	.87	1.00	1.00	17.6	5.2	1.40	.90	1.00	1.00
67°F (19°C)	420	200	19.5	5.7	.83	.56	.68	.79	18.5	5.4	.99	.57	.69	.81	17.4	5.1	1.18	.58	.71	.83	16.2	4.7	1.40	.59	.73	.86
	560	265	21.2	6.2	.84	.59	.73	.86	20.0	5.9	.99	.60	.75	.89	18.8	5.5	1.18	.62	.77	.92	17.5	5.1	1.39	.63	.80	.96
	700	330	22.4	6.6	.84	.63	.78	.94	21.2	6.2	1.00	.64	.81	.97	19.8	5.8	1.18	.66	.84	1.00	18.4	5.4	1.39	.68	.87	1.00
71°F (22°C)	420	200	20.8	6.1	.83	.43	.54	.65	19.7	5.8	.99	.44	.55	.66	18.6	5.5	1.18	.44	.56	.68	17.4	5.1	1.39	.44	.57	.70
	560	265	22.6	6.6	.84	.45	.57	.70	21.4	6.3	1.00	.45	.59	.72	20.2	5.9	1.18	.46	.60	.74	18.8	5.5	1.39	.46	.62	.77
	700	330	23.8	7.0	.84	.46	.61	.75	22.6	6.6	1.00	.46	.62	.78	21.2	6.2	1.18	.47	.64	.80	19.7	5.8	1.40	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CBX32M-042] [CB30M-46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.2	7.1	1.42	.73	.86	.98	22.8	6.7	1.65	.75	.88	1.00	21.2	6.2	1.91	.77	.92	1.00	19.7	5.8	2.21	.79	.95	1.00
	800	380	25.8	7.6	1.42	.79	.95	1.00	24.4	7.2	1.66	.81	.98	1.00	22.8	6.7	1.92	.84	1.00	1.00	21.2	6.2	2.22	.88	1.00	1.00
	1000	470	27.2	8.0	1.43	.85	1.00	1.00	25.8	7.6	1.66	.88	1.00	1.00	24.4	7.2	1.92	.92	1.00	1.00	22.6	6.6	2.23	.96	1.00	1.00
67°F (19°C)	600	285	25.8	7.6	1.42	.58	.70	.82	24.2	7.1	1.66	.59	.72	.85	22.8	6.7	1.92	.60	.74	.88	21.0	6.2	2.23	.61	.76	.91
	800	380	27.6	8.1	1.43	.61	.76	.91	26.0	7.6	1.66	.63	.79	.94	24.2	7.1	1.92	.64	.82	.98	22.4	6.6	2.23	.67	.85	1.00
	1000	470	28.8	8.4	1.44	.65	.83	.99	27.0	7.9	1.67	.67	.86	1.00	25.2	7.4	1.93	.69	.89	1.00	23.2	6.8	2.23	.72	.94	1.00
71°F (22°C)	600	285	27.4	8.0	1.43	.44	.56	.67	25.8	7.6	1.66	.44	.57	.69	24.2	7.1	1.93	.45	.58	.71	22.4	6.6	2.23	.45	.60	.74
	800	380	29.2	8.6	1.44	.45	.60	.74	27.6	8.1	1.67	.46	.61	.76	25.8	7.6	1.93	.47	.63	.79	23.8	7.0	2.23	.48	.65	.82
	1000	470	30.6	9.0	1.45	.47	.64	.80	28.8	8.4	1.68	.48	.66	.83	26.8	7.9	1.94	.49	.68	.87	24.8	7.3	2.24	.50	.71	.91

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CBX32M-042] [CB30M-46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
420	200	21.3	6.2	1.47	19.7	5.8	1.44	18.2	5.3	1.41	16.7	4.9	1.38
560	265	22.3	6.5	1.27	20.7	6.1	1.25	19.2	5.6	1.22	17.7	5.2	1.19
700	330	16.4	4.8	1.07	14.8	4.3	1.04	13.3	3.9	1.01	11.8	3.5	.98

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CBX32M-042] [CB30M-46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	26.5	7.8	1.71	21.2	6.2	1.65	15.7	4.6	1.59	12.2	3.6	1.46	7.8	2.3	1.11
800	380	23.4	6.9	1.53	18.1	5.3	1.47	12.6	3.7	1.41	9.1	2.7	1.28	4.7	1.4	.93
1000	470	23.8	7.0	1.44	18.5	5.4	1.38	13.0	3.8	1.32	9.5	2.8	1.19	5.1	1.5	.84

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
HPXA16-024 with [CBX32M-042] [CB30M-46]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.53	23.4	6.9
60	16	1.52	22.2	6.5
55	13	1.51	21.0	6.2
50	10	1.49	19.8	5.8
47	8	1.48	19.1	5.6
45	7	1.47	18.1	5.3
40	4	1.45	15.8	4.6
35	2	1.42	13.5	4.0
30	-1	1.41	13.1	3.8
25	-4	1.41	12.6	3.7
20	-7	1.40	12.2	3.6
17	-8	1.39	11.9	3.5
15	-9	1.39	11.4	3.3
10	-12	1.37	10.3	3.0
5	-15	1.28	9.1	2.7
0	-18	1.19	8.0	2.3
-5	-21	1.11	6.9	2.0
-10	-23	1.02	5.8	1.7
-15	-26	.93	4.7	1.4
-20	-29	.84	3.6	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CB30U-31]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	420	200	18.1	5.3	.83	.71	.83	.94	17.1	5.0	.99	.72	.85	.97	16.1	4.7	1.18	.74	.87	1.00	14.9	4.4	1.40	.76	.90	1.00
	560	265	19.7	5.8	.83	.76	.90	1.00	18.6	5.5	.99	.78	.93	1.00	17.4	5.1	1.18	.80	.96	1.00	16.2	4.7	1.39	.83	1.00	1.00
	700	330	20.8	6.1	.83	.81	.97	1.00	19.7	5.8	.99	.83	1.00	1.00	18.6	5.5	1.18	.86	1.00	1.00	17.5	5.1	1.40	.90	1.00	1.00
67°F (19°C)	420	200	19.4	5.7	.83	.56	.68	.79	18.4	5.4	.99	.57	.69	.81	17.3	5.1	1.18	.58	.71	.83	16.1	4.7	1.40	.59	.73	.86
	560	265	21.2	6.2	.83	.59	.73	.86	20.0	5.9	.99	.60	.75	.89	18.8	5.5	1.18	.62	.77	.92	17.5	5.1	1.39	.63	.80	.96
	700	330	22.2	6.5	.84	.62	.78	.94	21.0	6.2	1.00	.64	.80	.96	19.8	5.8	1.18	.65	.83	.99	18.3	5.4	1.40	.68	.87	1.00
71°F (22°C)	420	200	20.8	6.1	.83	.44	.54	.65	19.7	5.8	.99	.44	.55	.66	18.5	5.4	1.18	.44	.56	.68	17.3	5.1	1.39	.44	.57	.70
	560	265	22.6	6.6	.84	.45	.58	.70	21.4	6.3	1.00	.45	.59	.72	20.2	5.9	1.18	.45	.60	.74	18.7	5.5	1.39	.46	.62	.77
	700	330	23.8	7.0	.84	.46	.61	.75	22.6	6.6	1.00	.46	.62	.77	21.2	6.2	1.18	.47	.64	.80	19.7	5.8	1.39	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CB30U-31]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.2	7.1	1.42	.73	.86	.98	22.8	6.7	1.65	.74	.88	1.00	21.2	6.2	1.91	.77	.91	1.00	19.6	5.7	2.21	.79	.95	1.00
	800	380	25.8	7.6	1.43	.79	.95	1.00	24.2	7.1	1.66	.81	.98	1.00	22.6	6.6	1.92	.84	1.00	1.00	21.2	6.2	2.22	.88	1.00	1.00
	1000	470	27.0	7.9	1.43	.85	1.00	1.00	25.6	7.5	1.66	.88	1.00	1.00	24.2	7.1	1.92	.92	1.00	1.00	22.6	6.6	2.23	.96	1.00	1.00
67°F (19°C)	600	285	25.6	7.5	1.43	.58	.70	.82	24.2	7.1	1.66	.59	.72	.84	22.6	6.6	1.92	.60	.74	.87	21.0	6.2	2.23	.61	.76	.91
	800	380	27.6	8.1	1.43	.61	.76	.91	25.8	7.6	1.66	.63	.79	.94	24.2	7.1	1.92	.64	.81	.98	22.2	6.5	2.22	.66	.85	1.00
	1000	470	28.6	8.4	1.44	.65	.83	.98	27.0	7.9	1.67	.67	.85	1.00	25.0	7.3	1.93	.69	.89	1.00	23.2	6.8	2.23	.71	.93	1.00
71°F (22°C)	600	285	27.2	8.0	1.43	.44	.56	.67	25.8	7.6	1.66	.44	.57	.69	24.2	7.1	1.93	.45	.58	.71	22.4	6.6	2.23	.45	.60	.74
	800	380	29.2	8.6	1.44	.46	.60	.74	27.4	8.0	1.67	.46	.61	.76	25.8	7.6	1.93	.47	.63	.79	23.8	7.0	2.23	.48	.65	.82
	1000	470	30.4	8.9	1.45	.47	.64	.80	28.6	8.4	1.68	.48	.66	.83	26.8	7.9	1.94	.49	.68	.86	24.8	7.3	2.24	.50	.70	.90

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CB30U-31]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
420	200	21.1	6.2	1.49	19.6	5.7	1.46	18.2	5.3	1.43	16.7	4.9	1.41
560	265	22.0	6.4	1.29	20.5	6.0	1.26	19.1	5.6	1.24	17.6	5.2	1.21
700	330	19.2	5.6	1.13	17.8	5.2	1.10	16.3	4.8	1.07	14.8	4.3	1.04

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CB30U-31]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	25.9	7.6	1.79	20.9	6.1	1.66	15.6	4.6	1.52	12.3	3.6	1.38	7.7	2.3	1.05
800	380	23.0	6.7	1.62	18.0	5.3	1.49	12.7	3.7	1.35	9.4	2.8	1.21	4.8	1.4	.88
1000	470	23.5	6.9	1.52	18.5	5.4	1.39	13.2	3.9	1.25	9.9	2.9	1.11	5.3	1.6	.78

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
HPXA16-024 with [CB30U-31]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.62	23.0	6.7
60	16	1.59	21.9	6.4
55	13	1.56	20.8	6.1
50	10	1.53	19.6	5.7
47	8	1.52	18.9	5.5
45	7	1.49	18.0	5.3
40	4	1.43	15.8	4.6
35	2	1.37	13.5	4.0
30	-1	1.36	13.1	3.8
25	-4	1.35	12.7	3.7
20	-7	1.34	12.4	3.6
17	-8	1.33	12.2	3.6
15	-9	1.32	11.7	3.4
10	-12	1.29	10.6	3.1
5	-15	1.21	9.4	2.8
0	-18	1.13	8.3	2.4
-5	-21	1.05	7.1	2.1
-10	-23	.96	6.0	1.8
-15	-26	.88	4.8	1.4
-20	-29	.80	3.6	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CB30U-41/46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	420	200	18.2	5.3	.82	.71	.83	.94	17.2	5.0	.99	.72	.85	.97	16.1	4.7	1.18	.74	.87	1.00	15.0	4.4	1.40	.76	.91	1.00
	560	265	19.8	5.8	.83	.76	.90	1.00	18.7	5.5	.99	.78	.93	1.00	17.5	5.1	1.18	.80	.96	1.00	16.2	4.7	1.39	.83	1.00	1.00
	700	330	21.0	6.2	.83	.81	.98	1.00	19.8	5.8	1.00	.84	1.00	1.00	18.7	5.5	1.18	.87	1.00	1.00	17.6	5.2	1.40	.90	1.00	1.00
67°F (19°C)	420	200	19.5	5.7	.83	.56	.68	.79	18.5	5.4	.99	.57	.69	.81	17.4	5.1	1.18	.58	.71	.83	16.2	4.7	1.40	.59	.73	.86
	560	265	21.2	6.2	.84	.59	.73	.86	20.0	5.9	.99	.60	.75	.89	18.9	5.5	1.18	.62	.77	.92	17.5	5.1	1.39	.63	.80	.96
	700	330	22.4	6.6	.84	.62	.78	.94	21.2	6.2	1.00	.64	.81	.97	19.9	5.8	1.18	.66	.83	1.00	18.4	5.4	1.39	.68	.87	1.00
71°F (22°C)	420	200	20.8	6.1	.83	.44	.54	.65	19.8	5.8	.99	.44	.55	.66	18.6	5.5	1.18	.44	.56	.68	17.4	5.1	1.39	.44	.57	.70
	560	265	22.6	6.6	.84	.45	.58	.70	21.4	6.3	1.00	.45	.59	.72	20.2	5.9	1.18	.45	.60	.74	18.8	5.5	1.39	.46	.62	.77
	700	330	23.8	7.0	.84	.46	.61	.75	22.6	6.6	1.00	.46	.62	.78	21.4	6.3	1.18	.47	.64	.80	19.8	5.8	1.40	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CB30U-41/46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.2	7.1	1.42	.73	.86	.98	22.8	6.7	1.65	.74	.88	1.00	21.2	6.2	1.91	.77	.92	1.00	19.6	5.7	2.22	.79	.96	1.00
	800	380	25.8	7.6	1.43	.79	.95	1.00	24.4	7.2	1.66	.81	.98	1.00	22.8	6.7	1.92	.84	1.00	1.00	21.2	6.2	2.22	.88	1.00	1.00
	1000	470	27.2	8.0	1.43	.85	1.00	1.00	25.8	7.6	1.66	.88	1.00	1.00	24.4	7.2	1.92	.92	1.00	1.00	22.6	6.6	2.23	.96	1.00	1.00
67°F (19°C)	600	285	25.8	7.6	1.43	.58	.70	.82	24.4	7.2	1.66	.59	.72	.85	22.8	6.7	1.92	.60	.74	.88	21.2	6.2	2.23	.61	.76	.91
	800	380	27.6	8.1	1.43	.61	.76	.91	26.0	7.6	1.66	.63	.79	.94	24.2	7.1	1.92	.64	.82	.98	22.4	6.6	2.22	.67	.85	1.00
	1000	470	28.8	8.4	1.44	.65	.83	.99	27.0	7.9	1.67	.67	.86	1.00	25.2	7.4	1.93	.69	.89	1.00	23.2	6.8	2.23	.72	.94	1.00
71°F (22°C)	600	285	27.4	8.0	1.43	.44	.56	.67	25.8	7.6	1.66	.44	.57	.69	24.2	7.1	1.93	.45	.58	.71	22.4	6.6	2.23	.45	.60	.74
	800	380	29.2	8.6	1.44	.46	.60	.74	27.6	8.1	1.67	.46	.61	.76	25.8	7.6	1.93	.47	.63	.79	23.8	7.0	2.23	.48	.65	.82
	1000	470	30.6	9.0	1.45	.47	.64	.80	28.8	8.4	1.68	.48	.66	.83	26.8	7.9	1.94	.49	.68	.87	24.8	7.3	2.24	.50	.71	.91

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CB30U-41/46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
420	200	21.3	6.2	1.47	19.8	5.8	1.45	18.3	5.4	1.42	16.8	4.9	1.39
560	265	22.2	6.5	1.28	20.7	6.1	1.25	19.2	5.6	1.22	17.8	5.2	1.20
700	330	19.7	5.8	1.07	18.2	5.3	1.04	16.8	4.9	1.02	15.3	4.5	.99

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CB30U-41/46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	26.5	7.8	1.72	21.1	6.2	1.66	15.4	4.5	1.60	11.8	3.5	1.49	7.2	2.1	1.15
800	380	24.1	7.1	1.43	18.7	5.5	1.37	13.0	3.8	1.31	9.4	2.8	1.20	4.8	1.4	.86
1000	470	24.6	7.2	1.34	19.2	5.6	1.28	13.5	4.0	1.22	9.9	2.9	1.11	5.3	1.6	.78

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
HPXA16-024 with [CB30U-41/46]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.43	24.1	7.1
60	16	1.41	22.9	6.7
55	13	1.40	21.6	6.3
50	10	1.39	20.4	6.0
47	8	1.38	19.7	5.8
45	7	1.37	18.7	5.5
40	4	1.35	16.3	4.8
35	2	1.32	14.0	4.1
30	-1	1.32	13.5	4.0
25	-4	1.31	13.0	3.8
20	-7	1.30	12.6	3.7
17	-8	1.30	12.3	3.6
15	-9	1.29	11.8	3.5
10	-12	1.28	10.6	3.1
5	-15	1.20	9.4	2.8
0	-18	1.11	8.3	2.4
-5	-21	1.03	7.1	2.1
-10	-23	.95	6.0	1.8
-15	-26	.86	4.8	1.4
-20	-29	.78	3.7	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CX34-38A-6F + G60UHV-36A-070] [C33-38A + G60UHV-36A-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	630	295	20.6	6.0	.83	.80	.95	1.00	19.5	5.7	1.00	.82	.98	1.00	18.3	5.4	1.18	.85	1.00	1.00	17.2	5.0	1.40	.88	1.00	1.00
(17°C)	670	315	20.8	6.1	.83	.81	.96	1.00	19.7	5.8	.99	.83	.99	1.00	18.6	5.5	1.18	.85	1.00	1.00	17.4	5.1	1.39	.89	1.00	1.00
67°F	630	295	22.2	6.5	.84	.63	.77	.91	21.0	6.2	1.00	.64	.79	.94	19.7	5.8	1.18	.65	.82	.97	18.2	5.3	1.40	.68	.85	1.00
(19°C)	670	315	22.4	6.6	.84	.63	.78	.92	21.2	6.2	1.00	.64	.80	.95	19.8	5.8	1.18	.65	.82	.98	18.4	5.4	1.39	.67	.86	1.00
71°F	630	295	23.6	6.9	.84	.48	.61	.74	22.4	6.6	1.00	.48	.62	.76	21.0	6.2	1.18	.48	.64	.79	19.7	5.8	1.40	.49	.66	.82
(22°C)	670	315	23.8	7.0	.84	.47	.61	.75	22.6	6.6	1.00	.47	.62	.77	21.2	6.2	1.19	.48	.64	.79	19.8	5.8	1.40	.48	.66	.82

SECOND STAGE COOLING CAPACITY - HSXA16-024 with [CX34-38A-6F + G60UHV-36A-070] [C33-38A + G60UHV-36A-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	830	390	26.6	7.8	1.43	.81	.97	1.00	25.0	7.3	1.66	.84	1.00	1.00	23.6	6.9	1.93	.87	1.00	1.00	22.0	6.4	2.23	.91	1.00	1.00
(17°C)	915	430	27.0	7.9	1.43	.83	.99	1.00	25.6	7.5	1.66	.86	1.00	1.00	24.2	7.1	1.93	.89	1.00	1.00	22.6	6.6	2.23	.94	1.00	1.00
67°F	830	390	28.2	8.3	1.43	.64	.79	.93	26.6	7.8	1.66	.65	.81	.96	24.8	7.3	1.92	.67	.84	1.00	23.0	6.7	2.23	.69	.88	1.00
(19°C)	915	430	28.8	8.4	1.44	.65	.81	.96	27.0	7.9	1.67	.66	.83	.99	25.2	7.4	1.93	.68	.87	1.00	23.2	6.8	2.23	.71	.91	1.00
71°F	830	390	30.0	8.8	1.45	.48	.62	.76	28.2	8.3	1.67	.48	.64	.78	26.4	7.7	1.94	.49	.65	.81	24.4	7.2	2.24	.50	.68	.85
(22°C)	915	430	30.6	9.0	1.45	.48	.63	.78	28.8	8.4	1.68	.48	.65	.81	26.8	7.9	1.94	.49	.67	.84	24.8	7.3	2.24	.50	.69	.88

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CX34-38A-6F + G60UHV-36A-070] [C33-38A + G60UHV-36A-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
630	295	21.7	6.4	1.30	20.1	5.9	1.29	18.5	5.4	1.29	16.9	5.0	1.28
670	315	15.6	4.6	1.24	14.0	4.1	1.24	12.4	3.6	1.23	10.8	3.2	1.23

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CX34-38A-6F + G60UHV-36A-070] [C33-38A + G60UHV-36A-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
830	390	22.6	6.6	1.71	17.6	5.2	1.62	12.3	3.6	1.53	8.9	2.6	1.38	4.6	1.3	1.00
915	430	22.8	6.7	1.66	17.8	5.2	1.57	12.5	3.7	1.48	9.1	2.7	1.34	4.8	1.4	.96

HEATING PERFORMANCE at 830 cfm (390 L/s) Indoor Coil Air Volume
HPXA16-024 with [CX34-38A-6F + G60UHV-36A-070] [C33-38A + G60UHV-36A-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.71	22.6	6.6
60	16	1.68	21.5	6.3
55	13	1.66	20.3	5.9
50	10	1.64	19.2	5.6
47	8	1.63	18.5	5.4
45	7	1.62	17.6	5.2
40	4	1.58	15.4	4.5
35	2	1.55	13.2	3.9
30	-1	1.54	12.7	3.7
25	-4	1.53	12.3	3.6
20	-7	1.52	11.8	3.5
17	-8	1.51	11.6	3.4
15	-9	1.50	11.1	3.3
10	-12	1.48	10.0	2.9
5	-15	1.38	8.9	2.6
0	-18	1.29	7.8	2.3
-5	-21	1.19	6.7	2.0
-10	-23	1.10	5.6	1.6
-15	-26	1.00	4.6	1.3
-20	-29	.91	3.5	1.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CX34-38B-6F + G60UHV-36B-090] [C33-38B + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	625	295	20.6	6.0	.83	.80	.95	1.00	19.4	5.7	.99	.82	.98	1.00	18.3	5.4	1.18	.85	1.00	1.00	17.2	5.0	1.40	.88	1.00	1.00
(17°C)	670	315	20.8	6.1	.83	.80	.96	1.00	19.7	5.8	.99	.83	.99	1.00	18.5	5.4	1.18	.85	1.00	1.00	17.4	5.1	1.39	.89	1.00	1.00
67°F	625	295	22.0	6.4	.84	.63	.77	.91	20.8	6.1	1.00	.64	.79	.94	19.6	5.7	1.18	.65	.81	.97	18.2	5.3	1.40	.67	.85	1.00
(19°C)	670	315	22.4	6.6	.84	.63	.77	.92	21.2	6.2	1.00	.64	.80	.95	19.8	5.8	1.18	.65	.82	.98	18.4	5.4	1.39	.67	.86	1.00
71°F	625	295	23.6	6.9	.84	.48	.61	.74	22.4	6.6	1.00	.48	.62	.76	21.0	6.2	1.18	.48	.64	.78	19.6	5.7	1.40	.49	.66	.81
(22°C)	670	315	23.8	7.0	.84	.47	.61	.75	22.6	6.6	1.00	.47	.62	.77	21.2	6.2	1.19	.47	.63	.79	19.8	5.8	1.40	.48	.65	.82

SECOND STAGE COOLING CAPACITY - HSXA16-024 with [CX34-38B-6F + G60UHV-36B-090] [C33-38B + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	825	390	26.6	7.8	1.43	.81	.97	1.00	25.0	7.3	1.66	.84	1.00	1.00	23.4	6.9	1.92	.87	1.00	1.00	22.0	6.4	2.23	.90	1.00	1.00
(17°C)	905	425	27.0	7.9	1.43	.83	.99	1.00	25.4	7.4	1.66	.86	1.00	1.00	24.0	7.0	1.93	.89	1.00	1.00	22.4	6.6	2.22	.93	1.00	1.00
67°F	825	390	28.2	8.3	1.43	.64	.79	.93	26.6	7.8	1.66	.65	.81	.96	24.8	7.3	1.92	.67	.84	1.00	22.8	6.7	2.23	.69	.88	1.00
(19°C)	905	425	28.6	8.4	1.44	.64	.80	.96	27.0	7.9	1.67	.66	.83	.99	25.2	7.4	1.93	.68	.86	1.00	23.2	6.8	2.23	.70	.90	1.00
71°F	825	390	30.0	8.8	1.45	.48	.62	.76	28.2	8.3	1.67	.48	.63	.78	26.4	7.7	1.94	.49	.65	.81	24.4	7.2	2.24	.50	.68	.85
(22°C)	905	425	30.4	8.9	1.45	.48	.63	.78	28.6	8.4	1.68	.48	.64	.80	26.8	7.9	1.94	.49	.66	.83	24.8	7.3	2.24	.50	.69	.87

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CX34-38B-6F + G60UHV-36B-090 [C33-38B + G60UHV-36B-090

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil									
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	21.7	6.4	1.30	20.1	5.9	1.29	18.5	5.4	1.29	16.9	5.0	1.28
670	315	18.4	5.4	1.25	16.8	4.9	1.25	15.2	4.5	1.24	13.6	4.0	1.23

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CX34-38B-6F + G60UHV-36B-090] [C33-38B + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
825	390	22.5	6.6	1.71	17.5	5.1	1.62	12.2	3.6	1.53	8.8	2.6	1.38	4.5	1.3	1.00
905	425	22.7	6.7	1.67	17.7	5.2	1.58	12.4	3.6	1.49	9.0	2.6	1.34	4.7	1.4	.96

HEATING PERFORMANCE at 825 cfm (390 L/s) Indoor Coil Air Volume
HPXA16-024 with [CX34-38B-6F + G60UHV-36B-090] [C33-38B + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.71	22.5	6.6
60	16	1.69	21.4	6.3
55	13	1.67	20.2	5.9
50	10	1.64	19.1	5.6
47	8	1.63	18.4	5.4
45	7	1.62	17.5	5.1
40	4	1.58	15.3	4.5
35	2	1.55	13.1	3.8
30	-1	1.54	12.7	3.7
25	-4	1.53	12.2	3.6
20	-7	1.52	11.8	3.5
17	-8	1.51	11.5	3.4
15	-9	1.50	11.0	3.2
10	-12	1.48	9.9	2.9
5	-15	1.38	8.8	2.6
0	-18	1.29	7.7	2.3
-5	-21	1.19	6.7	2.0
-10	-23	1.10	5.6	1.6
-15	-26	1.00	4.5	1.3
-20	-29	.91	3.4	1.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CX34-38B-6F + G61MPV-36B-045] [C33-38B + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	610	290	20.4	6.0	.83	.79	.94	1.00	19.3	5.7	.99	.81	.97	1.00	18.1	5.3	1.17	.84	1.00	1.00	17.0	5.0	1.40	.87	1.00	1.00
(17°C)	665	315	20.8	6.1	.83	.80	.96	1.00	19.6	5.7	.99	.83	.99	1.00	18.5	5.4	1.18	.85	1.00	1.00	17.4	5.1	1.40	.89	1.00	1.00
67°F	610	290	22.0	6.4	.84	.62	.76	.90	20.8	6.1	1.00	.63	.78	.93	19.5	5.7	1.18	.65	.81	.96	18.1	5.3	1.39	.67	.84	1.00
(19°C)	665	315	22.4	6.6	.84	.63	.77	.92	21.0	6.2	1.00	.64	.80	.95	19.8	5.8	1.18	.65	.82	.98	18.3	5.4	1.39	.67	.86	1.00
71°F	610	290	23.4	6.9	.84	.47	.61	.74	22.2	6.5	1.00	.47	.62	.75	21.0	6.2	1.18	.48	.63	.78	19.5	5.7	1.40	.49	.65	.81
(22°C)	665	315	23.8	7.0	.84	.47	.61	.75	22.6	6.6	1.00	.47	.62	.77	21.2	6.2	1.19	.47	.63	.79	19.7	5.8	1.40	.48	.66	.82

SECOND STAGE COOLING CAPACITY - HSXA16-024 with [CX34-38B-6F + G61MPV-36B-045] [C33-38B + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	840	395	26.6	7.8	1.43	.82	.97	1.00	25.0	7.3	1.66	.84	1.00	1.00	23.6	6.9	1.93	.87	1.00	1.00	22.0	6.4	2.23	.91	1.00	1.00
(17°C)	945	445	27.2	8.0	1.43	.85	1.00	1.00	25.8	7.6	1.67	.87	1.00	1.00	24.4	7.2	1.92	.91	1.00	1.00	22.8	6.7	2.23	.95	1.00	1.00
67°F	840	395	28.4	8.3	1.43	.64	.79	.94	26.6	7.8	1.66	.65	.81	.97	24.8	7.3	1.93	.67	.84	1.00	23.0	6.7	2.23	.70	.88	1.00
(19°C)	945	445	28.8	8.4	1.44	.65	.82	.97	27.2	8.0	1.67	.67	.85	1.00	25.4	7.4	1.93	.69	.88	1.00	23.4	6.9	2.23	.72	.92	1.00
71°F	840	395	30.0	8.8	1.45	.48	.62	.77	28.4	8.3	1.67	.48	.64	.79	26.6	7.8	1.94	.49	.66	.82	24.6	7.2	2.24	.50	.68	.85
(22°C)	945	445	30.8	9.0	1.45	.48	.64	.79	29.0	8.5	1.68	.49	.66	.82	27.0	7.9	1.94	.50	.68	.85	25.0	7.3	2.25	.51	.70	.89

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CX34-38B-6F + G61MPV-36B-045] [C33-38B + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
610	290	21.6	6.3	1.32	20.0	5.9	1.31	18.5	5.4	1.30	16.9	5.0	1.30
665	315	18.4	5.4	1.26	16.8	4.9	1.25	15.3	4.5	1.24	13.7	4.0	1.24

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CX34-38B-6F + G61MPV-36B-045] [C33-38B + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
840	395	22.7	6.7	1.70	17.7	5.2	1.61	12.3	3.6	1.53	8.9	2.6	1.39	4.6	1.3	1.00
945	445	23.0	6.7	1.65	18.0	5.3	1.56	12.6	3.7	1.48	9.2	2.7	1.34	4.9	1.4	.95

HEATING PERFORMANCE at 840 cfm (395 L/s) Indoor Coil Air Volume
HPXA16-024 with [CX34-38B-6F + G61MPV-36B-045] [C33-38B + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.70	22.7	6.7
60	16	1.68	21.5	6.3
55	13	1.66	20.4	6.0
50	10	1.64	19.2	5.6
47	8	1.63	18.5	5.4
45	7	1.61	17.7	5.2
40	4	1.58	15.4	4.5
35	2	1.55	13.2	3.9
30	-1	1.54	12.8	3.8
25	-4	1.53	12.3	3.6
20	-7	1.52	11.9	3.5
17	-8	1.51	11.6	3.4
15	-9	1.50	11.2	3.3
10	-12	1.48	10.0	2.9
5	-15	1.39	8.9	2.6
0	-18	1.29	7.8	2.3
-5	-21	1.20	6.7	2.0
-10	-23	1.10	5.7	1.7
-15	-26	1.00	4.6	1.3
-20	-29	.91	3.5	1.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CX34-38B-6F + G61MPV-36B-070] [C33-38B + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	625	295	20.6	6.0	.83	.80	.95	1.00	19.4	5.7	.99	.82	.98	1.00	18.3	5.4	1.18	.85	1.00	1.00	17.2	5.0	1.40	.88	1.00	1.00
(17°C)	680	320	21.0	6.2	.83	.81	.97	1.00	19.7	5.8	.99	.83	.99	1.00	18.7	5.5	1.18	.86	1.00	1.00	17.5	5.1	1.40	.90	1.00	1.00
67°F	625	295	22.0	6.4	.84	.63	.77	.91	20.8	6.1	1.00	.64	.79	.94	19.6	5.7	1.18	.65	.81	.97	18.2	5.3	1.40	.67	.85	1.00
(19°C)	680	320	22.4	6.6	.84	.63	.78	.93	21.2	6.2	1.00	.64	.80	.96	19.9	5.8	1.18	.66	.83	.99	18.4	5.4	1.39	.68	.86	1.00
71°F	625	295	23.6	6.9	.84	.48	.61	.74	22.4	6.6	1.00	.48	.62	.76	21.0	6.2	1.18	.48	.64	.78	19.6	5.7	1.40	.49	.66	.81
(22°C)	680	320	24.0	7.0	.85	.47	.61	.75	22.8	6.7	1.00	.47	.62	.77	21.4	6.3	1.18	.48	.64	.80	19.8	5.8	1.40	.49	.66	.83

SECOND STAGE COOLING CAPACITY - HSXA16-024 with [CX34-38B-6F + G61MPV-36B-070] [C33-38B + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	830	390	26.6	7.8	1.43	.81	.97	1.00	25.0	7.3	1.66	.84	1.00	1.00	23.6	6.9	1.93	.87	1.00	1.00	22.0	6.4	2.23	.91	1.00	1.00
(17°C)	930	440	27.2	8.0	1.43	.84	1.00	1.00	25.8	7.6	1.67	.87	1.00	1.00	24.2	7.1	1.92	.90	1.00	1.00	22.6	6.6	2.23	.94	1.00	1.00
67°F	830	390	28.2	8.3	1.43	.64	.79	.93	26.6	7.8	1.66	.65	.81	.96	24.8	7.3	1.92	.67	.84	1.00	23.0	6.7	2.23	.69	.88	1.00
(19°C)	930	440	28.8	8.4	1.44	.65	.81	.97	27.0	7.9	1.67	.67	.84	1.00	25.4	7.4	1.93	.69	.87	1.00	23.4	6.9	2.23	.71	.91	1.00
71°F	830	390	30.0	8.8	1.45	.48	.62	.76	28.2	8.3	1.67	.48	.64	.78	26.4	7.7	1.94	.49	.65	.81	24.4	7.2	2.24	.50	.68	.85
(22°C)	930	440	30.6	9.0	1.45	.48	.64	.79	28.8	8.4	1.68	.49	.65	.81	27.0	7.9	1.94	.50	.67	.85	24.8	7.3	2.24	.51	.70	.89

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CX34-38B-6F + G61MPV-36B-070] [C33-38B + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	21.7	6.4	1.30	20.1	5.9	1.30	18.5	5.4	1.29	16.9	5.0	1.28
680	320	18.5	5.4	1.25	16.9	5.0	1.24	15.3	4.5	1.23	13.7	4.0	1.23

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CX34-38B-6F + G61MPV-36B-070] [C33-38B + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
830	390	22.6	6.6	1.71	17.6	5.2	1.62	12.3	3.6	1.53	8.9	2.6	1.38	4.6	1.3	1.00
930	440	22.8	6.7	1.66	17.8	5.2	1.57	12.5	3.7	1.48	9.1	2.7	1.33	4.8	1.4	.95

HEATING PERFORMANCE at 830 cfm (390 L/s) Indoor Coil Air Volume
HPXA16-024 with [CX34-38B-6F + G61MPV-36B-070] [C33-38B + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.71	22.6	6.6
60	16	1.68	21.5	6.3
55	13	1.66	20.3	5.9
50	10	1.64	19.2	5.6
47	8	1.63	18.5	5.4
45	7	1.62	17.6	5.2
40	4	1.59	15.4	4.5
35	2	1.55	13.2	3.9
30	-1	1.54	12.8	3.8
25	-4	1.53	12.3	3.6
20	-7	1.52	11.8	3.5
17	-8	1.51	11.6	3.4
15	-9	1.50	11.1	3.3
10	-12	1.48	10.0	2.9
5	-15	1.38	8.9	2.6
0	-18	1.29	7.8	2.3
-5	-21	1.19	6.7	2.0
-10	-23	1.10	5.6	1.6
-15	-26	1.00	4.6	1.3
-20	-29	.91	3.5	1.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CH33-42B-2F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	625	295	20.4	6.0	.83	.79	.94	1.00	19.2	5.6	1.00	.81	.97	1.00	18.1	5.3	1.18	.84	1.00	1.00	16.9	5.0	1.39	.87	1.00	1.00
(17°C)	670	315	20.6	6.0	.83	.80	.95	1.00	19.4	5.7	.99	.82	.98	1.00	18.3	5.4	1.18	.84	1.00	1.00	17.2	5.0	1.40	.88	1.00	1.00
67°F	625	295	22.0	6.4	.84	.62	.76	.90	20.8	6.1	1.00	.63	.78	.93	19.4	5.7	1.18	.65	.81	.96	18.1	5.3	1.39	.67	.84	1.00
(19°C)	670	315	22.2	6.5	.84	.62	.76	.91	21.0	6.2	1.00	.63	.79	.94	19.6	5.7	1.18	.65	.81	.97	18.2	5.3	1.39	.67	.85	1.00
71°F	625	295	23.4	6.9	.84	.47	.60	.73	22.2	6.5	1.00	.48	.62	.75	20.8	6.1	1.18	.48	.63	.78	19.5	5.7	1.40	.49	.65	.81
(22°C)	670	315	23.6	6.9	.84	.46	.60	.74	22.4	6.6	1.00	.47	.61	.76	21.0	6.2	1.18	.47	.63	.78	19.6	5.7	1.40	.48	.65	.81

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CH33-42B-2F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	825	390	26.2	7.7	1.45	.80	.96	1.00	24.6	7.2	1.68	.83	.99	1.00	23.2	6.8	1.95	.85	1.00	1.00	21.6	6.3	2.25	.89	1.00	1.00
(17°C)	905	425	26.6	7.8	1.45	.82	.98	1.00	25.2	7.4	1.68	.84	1.00	1.00	23.6	6.9	1.95	.87	1.00	1.00	22.2	6.5	2.25	.92	1.00	1.00
67°F	825	390	28.0	8.2	1.45	.63	.77	.92	26.4	7.7	1.68	.64	.80	.95	24.6	7.2	1.95	.66	.83	.99	22.8	6.7	2.25	.68	.86	1.00
(19°C)	905	425	28.4	8.3	1.45	.63	.79	.94	26.8	7.9	1.69	.65	.82	.98	25.0	7.3	1.96	.67	.85	1.00	23.0	6.7	2.26	.69	.89	1.00
71°F	825	390	29.8	8.7	1.46	.47	.61	.75	28.0	8.2	1.69	.48	.63	.77	26.2	7.7	1.96	.49	.65	.80	24.4	7.2	2.26	.50	.67	.83
(22°C)	905	425	30.2	8.9	1.46	.47	.62	.77	28.4	8.3	1.70	.48	.64	.79	26.6	7.8	1.96	.49	.66	.82	24.6	7.2	2.26	.50	.68	.86

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CH33-42B-2F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	21.6	6.3	1.32	20.0	5.9	1.30	18.5	5.4	1.29	16.9	5.0	1.28
670	315	18.3	5.4	1.27	16.8	4.9	1.26	15.2	4.5	1.24	13.6	4.0	1.23

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CH33-42B-2F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
825	390	22.5	6.6	1.72	17.5	5.1	1.63	12.2	3.6	1.53	8.8	2.6	1.39	4.5	1.3	1.00
905	425	22.7	6.7	1.68	17.7	5.2	1.59	12.4	3.6	1.49	9.0	2.6	1.34	4.7	1.4	.96

HEATING PERFORMANCE at 825 cfm (390 L/s) Indoor Coil Air Volume HPXA16-024 with [CH33-42B-2F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.72	22.5	6.6
60	16	1.70	21.4	6.3
55	13	1.68	20.2	5.9
50	10	1.66	19.1	5.6
47	8	1.64	18.4	5.4
45	7	1.63	17.5	5.1
40	4	1.60	15.3	4.5
35	2	1.56	13.1	3.8
30	-1	1.55	12.7	3.7
25	-4	1.53	12.2	3.6
20	-7	1.52	11.8	3.5
17	-8	1.51	11.5	3.4
15	-9	1.50	11.0	3.2
10	-12	1.48	9.9	2.9
5	-15	1.39	8.8	2.6
0	-18	1.29	7.7	2.3
-5	-21	1.19	6.7	2.0
-10	-23	1.10	5.6	1.6
-15	-26	1.00	4.5	1.3
-20	-29	.91	3.4	1.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CH33-42B-2F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	610	290	20.2	5.9	.83	.79	.93	1.00	19.1	5.6	.99	.81	.96	1.00	17.9	5.2	1.18	.83	.99	1.00	16.8	4.9	1.39	.87	1.00	1.00
(17°C)	665	315	20.6	6.0	.83	.80	.95	1.00	19.4	5.7	.99	.82	.98	1.00	18.3	5.4	1.18	.84	1.00	1.00	17.1	5.0	1.40	.88	1.00	1.00
67°F	610	290	21.8	6.4	.84	.62	.75	.89	20.6	6.0	1.00	.63	.78	.92	19.3	5.7	1.18	.64	.80	.95	18.0	5.3	1.39	.66	.83	.99
(19°C)	665	315	22.2	6.5	.84	.62	.76	.91	21.0	6.2	1.00	.63	.79	.94	19.6	5.7	1.18	.65	.81	.97	18.2	5.3	1.39	.67	.85	1.00
71°F	610	290	23.2	6.8	.84	.47	.60	.73	22.0	6.4	1.00	.47	.61	.74	20.8	6.1	1.18	.48	.63	.77	19.4	5.7	1.40	.49	.65	.80
(22°C)	665	315	23.6	6.9	.84	.46	.60	.74	22.4	6.6	1.00	.47	.61	.76	21.0	6.2	1.18	.47	.63	.78	19.6	5.7	1.40	.48	.65	.81

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CH33-42B-2F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	840	395	26.2	7.7	1.45	.81	.96	1.00	24.8	7.3	1.68	.83	.99	1.00	23.2	6.8	1.95	.86	1.00	1.00	21.8	6.4	2.26	.90	1.00	1.00
(17°C)	945	445	27.0	7.9	1.45	.83	.99	1.00	25.4	7.4	1.69	.86	1.00	1.00	24.0	7.0	1.94	.89	1.00	1.00	22.4	6.6	2.25	.93	1.00	1.00
67°F	840	395	28.2	8.3	1.45	.63	.78	.92	26.4	7.7	1.68	.65	.80	.95	24.8	7.3	1.95	.66	.83	.99	22.8	6.7	2.25	.69	.87	1.00
(19°C)	945	445	28.6	8.4	1.45	.65	.81	.96	27.0	7.9	1.69	.66	.83	.99	25.2	7.4	1.95	.68	.87	1.00	23.2	6.8	2.26	.71	.91	1.00
71°F	840	395	29.8	8.7	1.46	.48	.62	.75	28.2	8.3	1.70	.48	.63	.78	26.4	7.7	1.96	.49	.65	.80	24.4	7.2	2.26	.50	.67	.84
(22°C)	945	445	30.4	8.9	1.46	.48	.63	.78	28.8	8.4	1.70	.49	.65	.81	26.8	7.9	1.96	.50	.67	.84	24.8	7.3	2.27	.51	.69	.88

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CH33-42B-2F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
610	290	21.5	6.3	1.33	20.0	5.9	1.32	18.4	5.4	1.31	16.9	5.0	1.29
665	315	18.3	5.4	1.27	16.8	4.9	1.26	15.2	4.5	1.25	13.7	4.0	1.24

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CH33-42B-2F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
840	395	22.7	6.7	1.71	17.6	5.2	1.62	12.3	3.6	1.53	8.9	2.6	1.38	4.6	1.3	1.00
945	445	23.0	6.7	1.66	17.9	5.2	1.57	12.6	3.7	1.48	9.2	2.7	1.33	4.9	1.4	.95

HEATING PERFORMANCE at 840 cfm (395 L/s) Indoor Coil Air Volume
HPXA16-024 with [CH33-42B-2F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.71	22.7	6.7
60	16	1.68	21.5	6.3
55	13	1.66	20.4	6.0
50	10	1.64	19.2	5.6
47	8	1.63	18.5	5.4
45	7	1.62	17.6	5.2
40	4	1.59	15.4	4.5
35	2	1.56	13.2	3.9
30	-1	1.54	12.8	3.8
25	-4	1.53	12.3	3.6
20	-7	1.52	11.9	3.5
17	-8	1.51	11.6	3.4
15	-9	1.50	11.2	3.3
10	-12	1.48	10.0	2.9
5	-15	1.38	8.9	2.6
0	-18	1.29	7.8	2.3
-5	-21	1.19	6.8	2.0
-10	-23	1.10	5.7	1.7
-15	-26	1.00	4.6	1.3
-20	-29	.91	3.5	1.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-024 with [CH33-42B-2F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	625	295	20.4	6.0	.83	.79	.94	1.00	19.2	5.6	1.00	.81	.97	1.00	18.1	5.3	1.18	.84	1.00	1.00	16.9	5.0	1.39	.87	1.00	1.00
(17°C)	680	320	20.6	6.0	.83	.80	.96	1.00	19.5	5.7	.99	.82	.99	1.00	18.4	5.4	1.18	.85	1.00	1.00	17.3	5.1	1.40	.89	1.00	1.00
67°F	625	295	22.0	6.4	.84	.62	.76	.90	20.8	6.1	1.00	.63	.78	.93	19.4	5.7	1.18	.65	.81	.96	18.1	5.3	1.39	.67	.84	1.00
(19°C)	680	320	22.2	6.5	.84	.62	.77	.92	21.0	6.2	1.00	.63	.79	.95	19.7	5.8	1.18	.65	.82	.98	18.3	5.4	1.39	.67	.85	1.00
71°F	625	295	23.4	6.9	.84	.47	.60	.73	22.2	6.5	1.00	.48	.62	.75	20.8	6.1	1.18	.48	.63	.78	19.5	5.7	1.40	.49	.65	.81
(22°C)	680	320	23.8	7.0	.85	.46	.60	.74	22.6	6.6	1.00	.47	.62	.76	21.2	6.2	1.19	.48	.63	.79	19.7	5.8	1.40	.48	.65	.82

SECOND STAGE COOLING CAPACITY - HPXA16-024 with [CH33-42B-2F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	830	390	26.2	7.7	1.45	.80	.96	1.00	24.8	7.3	1.68	.83	.99	1.00	23.2	6.8	1.95	.86	1.00	1.00	21.8	6.4	2.25	.89	1.00	1.00
(17°C)	930	440	26.8	7.9	1.45	.83	.99	1.00	25.4	7.4	1.68	.85	1.00	1.00	23.8	7.0	1.95	.89	1.00	1.00	22.4	6.6	2.26	.93	1.00	1.00
67°F	830	390	28.0	8.2	1.45	.63	.78	.92	26.4	7.7	1.68	.64	.80	.95	24.6	7.2	1.95	.66	.83	.99	22.8	6.7	2.25	.69	.86	1.00
(19°C)	930	440	28.6	8.4	1.45	.64	.80	.95	26.8	7.9	1.69	.66	.83	.99	25.0	7.3	1.95	.68	.86	1.00	23.2	6.8	2.26	.70	.90	1.00
71°F	830	390	29.8	8.7	1.46	.47	.61	.75	28.0	8.2	1.69	.48	.63	.77	26.2	7.7	1.96	.49	.65	.80	24.4	7.2	2.26	.50	.67	.84
(22°C)	930	440	30.4	8.9	1.46	.48	.63	.77	28.6	8.4	1.70	.48	.64	.80	26.8	7.9	1.96	.49	.66	.83	24.8	7.3	2.27	.50	.69	.87

FIRST STAGE HEATING CAPACITY - HPXA16-024 with [CH33-42B-2F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	21.6	6.3	1.32	20.1	5.9	1.31	18.5	5.4	1.29	16.9	5.0	1.28
680	320	18.4	5.4	1.26	16.8	4.9	1.25	15.3	4.5	1.24	13.7	4.0	1.23

SECOND STAGE HEATING CAPACITY - HPXA16-024 with [CH33-42B-2F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
830	390	22.6	6.6	1.71	17.6	5.2	1.62	12.3	3.6	1.53	8.9	2.6	1.39	4.6	1.3	1.00
930	440	22.9	6.7	1.66	17.9	5.2	1.57	12.6	3.7	1.48	9.2	2.7	1.34	4.9	1.4	.95

HEATING PERFORMANCE at 830 cfm (390 L/s) Indoor Coil Air Volume
HPXA16-024 with [CH33-42B-2F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.71	22.6	6.6
60	16	1.69	21.4	6.3
55	13	1.67	20.3	5.9
50	10	1.65	19.1	5.6
47	8	1.64	18.5	5.4
45	7	1.62	17.6	5.2
40	4	1.59	15.4	4.5
35	2	1.55	13.2	3.9
30	-1	1.54	12.7	3.7
25	-4	1.53	12.3	3.6
20	-7	1.52	11.8	3.5
17	-8	1.51	11.6	3.4
15	-9	1.50	11.1	3.3
10	-12	1.48	10.0	2.9
5	-15	1.39	8.9	2.6
0	-18	1.29	7.8	2.3
-5	-21	1.20	6.7	2.0
-10	-23	1.10	5.6	1.6
-15	-26	1.00	4.6	1.3
-20	-29	.91	3.5	1.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CBX32MV-024/030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.2	7.7	1.21	.77	.92	1.00	24.8	7.3	1.41	.79	.95	1.00	23.2	6.8	1.63	.81	.98	1.00	21.8	6.4	1.90	.84	1.00	1.00
	900	425	27.0	7.9	1.21	.80	.96	1.00	25.4	7.4	1.41	.82	.98	1.00	24.0	7.0	1.64	.84	1.00	1.00	22.6	6.6	1.90	.88	1.00	1.00
	1000	470	27.6	8.1	1.22	.82	.98	1.00	26.2	7.7	1.42	.85	1.00	1.00	24.8	7.3	1.64	.88	1.00	1.00	23.2	6.8	1.91	.91	1.00	1.00
67°F (19°C)	800	380	28.0	8.2	1.22	.60	.74	.88	26.6	7.8	1.42	.61	.76	.91	25.0	7.3	1.64	.62	.78	.94	23.2	6.8	1.91	.64	.81	.97
	900	425	28.8	8.4	1.23	.62	.77	.92	27.2	8.0	1.42	.63	.79	.95	25.6	7.5	1.65	.64	.82	.98	23.8	7.0	1.91	.66	.85	1.00
	1000	470	29.4	8.6	1.23	.63	.80	.95	27.8	8.1	1.43	.65	.82	.98	26.2	7.7	1.65	.66	.85	1.00	24.2	7.1	1.91	.69	.88	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.45	.58	.71	28.2	8.3	1.43	.45	.60	.73	26.6	7.8	1.65	.46	.61	.75	24.8	7.3	1.92	.47	.63	.78
	900	425	30.6	9.0	1.24	.46	.60	.74	29.0	8.5	1.43	.46	.61	.76	27.4	8.0	1.66	.47	.63	.79	25.4	7.4	1.92	.48	.65	.82
	1000	470	31.2	9.1	1.24	.47	.62	.77	29.6	8.7	1.44	.47	.63	.79	27.8	8.1	1.66	.48	.65	.82	26.0	7.6	1.93	.49	.67	.85

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CBX32MV-024/030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.8	10.2	2.23	.77	.92	1.00	32.8	9.6	2.49	.79	.95	1.00	30.6	9.0	2.79	.82	.98	1.00	28.4	8.3	3.14	.85	1.00	1.00
	1200	565	35.4	10.4	2.23	.79	.95	1.00	33.4	9.8	2.50	.82	.98	1.00	31.2	9.1	2.80	.84	1.00	1.00	29.2	8.6	3.14	.88	1.00	1.00
	1320	625	36.2	10.6	2.24	.82	.98	1.00	34.0	10.0	2.51	.84	1.00	1.00	32.0	9.4	2.81	.87	1.00	1.00	29.8	8.7	3.16	.91	1.00	1.00
67°F (19°C)	1100	520	37.0	10.8	2.25	.60	.75	.89	34.8	10.2	2.52	.62	.77	.92	32.6	9.6	2.82	.63	.79	.95	30.2	8.9	3.16	.65	.83	.98
	1200	565	37.6	11.0	2.25	.62	.77	.92	35.4	10.4	2.53	.63	.79	.95	33.2	9.7	2.82	.65	.82	.98	30.6	9.0	3.17	.67	.85	1.00
	1320	625	38.5	11.3	2.26	.63	.79	.95	36.0	10.6	2.53	.65	.82	.98	33.8	9.9	2.83	.66	.85	1.00	31.0	9.1	3.17	.69	.89	1.00
71°F (22°C)	1100	520	39.0	11.4	2.27	.45	.59	.72	36.8	10.8	2.54	.46	.60	.74	34.6	10.1	2.84	.46	.62	.77	32.0	9.4	3.19	.47	.64	.80
	1200	565	40.0	11.7	2.28	.46	.60	.74	37.6	11.0	2.55	.46	.62	.77	35.2	10.3	2.85	.47	.63	.79	32.6	9.6	3.19	.48	.65	.83
	1320	625	40.5	11.9	2.29	.46	.62	.77	38.0	11.1	2.56	.47	.63	.79	35.6	10.4	2.86	.48	.65	.82	33.0	9.7	3.20	.49	.68	.86

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CBX32MV-024/030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.1	8.5	1.70	27.0	7.9	1.65	24.9	7.3	1.59	22.8	6.7	1.54
900	425	29.6	8.7	1.63	27.4	8.0	1.58	25.3	7.4	1.53	23.2	6.8	1.47
1000	470	30.0	8.8	1.57	27.9	8.2	1.52	25.8	7.6	1.47	23.6	6.9	1.42

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CBX32MV-024/030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.6	11.6	2.48	30.2	8.9	2.25	20.3	5.9	2.02	14.3	4.2	1.79	7.1	2.1	1.32
1200	565	40.1	11.8	2.43	30.7	9.0	2.21	20.8	6.1	1.97	14.8	4.3	1.74	7.6	2.2	1.27
1320	625	40.6	11.9	2.39	31.2	9.1	2.16	21.3	6.2	1.93	15.3	4.5	1.70	8.1	2.4	1.23

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CBX32MV-024/030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.43	40.1	11.8
60	16	2.38	37.9	11.1
55	13	2.33	35.8	10.5
50	10	2.28	33.7	9.9
47	8	2.24	32.4	9.5
45	7	2.21	30.7	9.0
40	4	2.12	26.6	7.8
35	2	2.03	22.5	6.6
30	-1	2.00	21.6	6.3
25	-4	1.97	20.8	6.1
20	-7	1.95	20.0	5.9
17	-8	1.93	19.5	5.7
15	-9	1.91	18.7	5.5
10	-12	1.86	16.6	4.9
5	-15	1.74	14.8	4.3
0	-18	1.62	13.0	3.8
-5	-21	1.51	11.2	3.3
-10	-23	1.39	9.4	2.8
-15	-26	1.27	7.6	2.2
-20	-29	1.16	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CBX32MV-036] [CB31MV-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	795	375	26.4	7.7	1.21	.77	.92	1.00	24.8	7.3	1.41	.79	.95	1.00	23.4	6.9	1.63	.81	.98	1.00	21.8	6.4	1.90	.84	1.00	1.00
	855	405	26.8	7.9	1.21	.79	.94	1.00	25.4	7.4	1.41	.81	.97	1.00	23.8	7.0	1.64	.83	1.00	1.00	22.4	6.6	1.90	.86	1.00	1.00
	900	425	27.2	8.0	1.21	.80	.96	1.00	25.6	7.5	1.41	.82	.98	1.00	24.0	7.0	1.64	.85	1.00	1.00	22.8	6.7	1.91	.88	1.00	1.00
67°F (19°C)	795	375	28.2	8.3	1.22	.60	.74	.88	26.6	7.8	1.42	.61	.76	.91	25.0	7.3	1.64	.62	.78	.94	23.4	6.9	1.91	.64	.81	.97
	855	405	28.6	8.4	1.22	.61	.76	.90	27.2	8.0	1.42	.62	.78	.93	25.4	7.4	1.65	.64	.80	.96	23.6	6.9	1.91	.66	.84	.99
	900	425	29.0	8.5	1.23	.62	.77	.92	27.4	8.0	1.42	.63	.79	.95	25.8	7.6	1.65	.65	.82	.98	24.0	7.0	1.91	.67	.85	1.00
71°F (22°C)	795	375	30.0	8.8	1.23	.45	.58	.71	28.4	8.3	1.43	.45	.60	.73	26.6	7.8	1.66	.46	.61	.75	25.0	7.3	1.92	.47	.63	.78
	855	405	30.4	8.9	1.24	.46	.60	.73	29.0	8.5	1.43	.46	.61	.75	27.2	8.0	1.66	.46	.62	.77	25.4	7.4	1.92	.47	.64	.80
	900	425	30.8	9.0	1.24	.46	.60	.74	29.2	8.6	1.44	.46	.62	.76	27.4	8.0	1.66	.47	.63	.79	25.6	7.5	1.92	.48	.65	.82

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CBX32MV-036] [CB31MV-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1135	535	35.2	10.3	2.23	.78	.94	1.00	33.2	9.7	2.50	.80	.97	1.00	31.0	9.1	2.80	.83	.99	1.00	28.8	8.4	3.14	.87	1.00	1.00
	1225	580	35.8	10.5	2.24	.80	.96	1.00	33.6	9.8	2.50	.82	.99	1.00	31.6	9.3	2.81	.85	1.00	1.00	29.4	8.6	3.15	.89	1.00	1.00
	1275	600	36.0	10.6	2.24	.81	.97	1.00	34.0	10.0	2.51	.83	1.00	1.00	31.8	9.3	2.81	.87	1.00	1.00	29.8	8.7	3.15	.90	1.00	1.00
67°F (19°C)	1135	535	37.4	11.0	2.25	.61	.76	.90	35.2	10.3	2.52	.62	.78	.93	33.0	9.7	2.82	.64	.81	.97	30.4	8.9	3.17	.66	.84	1.00
	1225	580	38.0	11.1	2.26	.62	.77	.93	35.8	10.5	2.53	.63	.80	.96	33.4	9.8	2.83	.65	.83	.98	31.0	9.1	3.17	.67	.86	1.00
	1275	600	38.5	11.3	2.26	.63	.79	.94	36.0	10.6	2.53	.64	.81	.97	33.8	9.9	2.83	.66	.84	1.00	31.0	9.1	3.17	.68	.88	1.00
71°F (22°C)	1135	535	39.5	11.6	2.28	.45	.59	.73	37.4	11.0	2.55	.46	.61	.75	35.0	10.3	2.85	.47	.62	.78	32.4	9.5	3.19	.47	.65	.81
	1225	580	40.0	11.7	2.28	.46	.61	.75	38.0	11.1	2.55	.46	.62	.77	35.4	10.4	2.86	.47	.64	.80	32.8	9.6	3.20	.48	.66	.84
	1275	600	40.5	11.9	2.29	.46	.61	.76	38.0	11.1	2.56	.47	.63	.79	35.6	10.4	2.86	.47	.65	.82	33.0	9.7	3.20	.48	.67	.85

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CBX32MV-036] [CB31MV-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
795	375	29.2	8.6	1.68	27.1	7.9	1.63	24.9	7.3	1.57	22.8	6.7	1.52
855	405	29.6	8.7	1.63	27.4	8.0	1.57	25.3	7.4	1.52	23.2	6.8	1.46
900	425	29.7	8.7	1.61	27.6	8.1	1.56	25.5	7.5	1.50	23.4	6.9	1.45

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CBX32MV-036] [CB31MV-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1135	535	39.9	11.7	2.43	30.5	8.9	2.21	20.6	6.0	1.99	14.4	4.2	1.76	7.3	2.1	1.30
1225	580	40.3	11.8	2.39	30.9	9.1	2.17	21.0	6.2	1.95	14.8	4.3	1.72	7.7	2.3	1.26
1275	600	40.5	11.9	2.37	31.1	9.1	2.15	21.2	6.2	1.93	15.0	4.4	1.70	7.9	2.3	1.24

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume
HPXA16-036 with [CBX32MV-036] [CB31MV-41]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.39	40.3	11.8
60	16	2.34	38.2	11.2
55	13	2.29	36.0	10.6
50	10	2.24	33.9	9.9
47	8	2.21	32.6	9.6
45	7	2.17	30.9	9.1
40	4	2.08	26.8	7.9
35	2	2.00	22.6	6.6
30	-1	1.97	21.8	6.4
25	-4	1.95	21.0	6.2
20	-7	1.92	20.1	5.9
17	-8	1.90	19.6	5.7
15	-9	1.88	18.8	5.5
10	-12	1.83	16.6	4.9
5	-15	1.72	14.8	4.3
0	-18	1.60	13.1	3.8
-5	-21	1.49	11.3	3.3
-10	-23	1.37	9.5	2.8
-15	-26	1.26	7.7	2.3
-20	-29	1.14	5.9	1.7

COOLING AND HEATING RATINGS — 3 TON

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CBX32MV-048] [CB31MV-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	845	400	27.2	8.0	1.22	.79	.94	1.00	25.6	7.5	1.41	.81	.97	1.00	24.2	7.1	1.64	.83	1.00	1.00	22.8	6.7	1.90	.86	1.00	1.00
(17°C)	965	455	28.0	8.2	1.22	.82	.99	1.00	26.6	7.8	1.42	.85	1.00	1.00	25.2	7.4	1.65	.87	1.00	1.00	23.8	7.0	1.91	.91	1.00	1.00
67°F	845	400	29.0	8.5	1.23	.61	.76	.90	27.4	8.0	1.43	.62	.78	.93	25.8	7.6	1.65	.64	.80	.96	24.0	7.0	1.92	.65	.83	1.00
(19°C)	965	455	30.0	8.8	1.23	.63	.79	.95	28.4	8.3	1.43	.65	.82	.98	26.6	7.8	1.65	.66	.85	1.00	24.6	7.2	1.92	.68	.88	1.00
71°F	845	400	31.0	9.1	1.24	.45	.60	.73	29.2	8.6	1.44	.46	.61	.75	27.6	8.1	1.66	.46	.62	.77	25.6	7.5	1.93	.47	.64	.80
(22°C)	965	455	31.8	9.3	1.25	.46	.62	.76	30.2	8.9	1.44	.47	.63	.79	28.4	8.3	1.67	.47	.65	.82	26.4	7.7	1.93	.48	.67	.85

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CBX32MV-048] [CB31MV-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1205	570	36.8	10.8	2.25	.80	.96	1.00	34.6	10.1	2.51	.82	.98	1.00	32.4	9.5	2.82	.85	1.00	1.00	30.4	8.9	3.16	.89	1.00	1.00
(17°C)	1380	650	37.8	11.1	2.26	.84	1.00	1.00	35.8	10.5	2.53	.86	1.00	1.00	33.6	9.8	2.83	.90	1.00	1.00	31.4	9.2	3.18	.94	1.00	1.00
67°F	1205	570	39.0	11.4	2.27	.62	.77	.92	36.6	10.7	2.54	.63	.80	.95	34.2	10.0	2.84	.65	.83	.99	31.6	9.3	3.18	.67	.86	1.00
(19°C)	1380	650	40.0	11.7	2.28	.64	.81	.97	37.6	11.0	2.55	.66	.84	1.00	35.0	10.3	2.85	.68	.87	1.00	32.4	9.5	3.19	.70	.91	1.00
71°F	1205	570	41.0	12.0	2.30	.46	.61	.75	39.0	11.4	2.57	.47	.62	.77	36.4	10.7	2.87	.47	.64	.80	33.6	9.8	3.21	.48	.66	.84
(22°C)	1380	650	42.5	12.5	2.31	.47	.63	.79	40.0	11.7	2.58	.48	.65	.81	37.2	10.9	2.88	.48	.67	.85	34.4	10.1	3.23	.49	.69	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CBX32MV-048] [CB31MV-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
845	400	29.4	8.6	1.62	27.3	8.0	1.57	25.2	7.4	1.52	23.0	6.7	1.47
965	455	29.8	8.7	1.54	27.7	8.1	1.49	25.6	7.5	1.44	23.5	6.9	1.39

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CBX32MV-048] [CB31MV-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1205	570	40.3	11.8	2.39	30.9	9.1	2.17	21.0	6.2	1.95	14.8	4.3	1.72	7.7	2.3	1.26
1380	650	40.5	11.9	2.37	31.1	9.1	2.15	21.2	6.2	1.93	15.0	4.4	1.70	7.9	2.3	1.24

HEATING PERFORMANCE at 1205 cfm (570 L/s) Indoor Coil Air Volume
HPXA16-036 with [CBX32MV-048] [CB31MV-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.36	40.2	11.8
60	16	2.31	38.0	11.1
55	13	2.26	35.9	10.5
50	10	2.22	33.7	9.9
47	8	2.19	32.4	9.5
45	7	2.15	30.7	9.0
40	4	2.07	26.5	7.8
35	2	1.98	22.4	6.6
30	-1	1.96	21.5	6.3
25	-4	1.93	20.7	6.1
20	-7	1.91	19.8	5.8
17	-8	1.90	19.3	5.7
15	-9	1.88	18.5	5.4
10	-12	1.83	16.3	4.8
5	-15	1.72	14.5	4.2
0	-18	1.60	12.8	3.8
-5	-21	1.49	11.0	3.2
-10	-23	1.37	9.3	2.7
-15	-26	1.25	7.5	2.2
-20	-29	1.14	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CBX32M-030] [CB30M-31] [CB30U-31]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.2	7.7	1.21	.77	.92	1.00	24.8	7.3	1.41	.79	.95	1.00	23.2	6.8	1.63	.81	.98	1.00	21.8	6.4	1.90	.84	1.00	1.00
	900	425	27.0	7.9	1.21	.80	.96	1.00	25.4	7.4	1.41	.82	.98	1.00	24.0	7.0	1.64	.84	1.00	1.00	22.6	6.6	1.90	.88	1.00	1.00
	1000	470	27.6	8.1	1.22	.82	.98	1.00	26.2	7.7	1.42	.85	1.00	1.00	24.8	7.3	1.64	.88	1.00	1.00	23.2	6.8	1.91	.91	1.00	1.00
67°F (19°C)	800	380	28.0	8.2	1.22	.60	.74	.88	26.6	7.8	1.42	.61	.76	.91	25.0	7.3	1.64	.62	.78	.94	23.2	6.8	1.91	.64	.81	.97
	900	425	28.8	8.4	1.23	.62	.77	.92	27.2	8.0	1.42	.63	.79	.95	25.6	7.5	1.65	.64	.82	.98	23.8	7.0	1.91	.66	.85	1.00
	1000	470	29.4	8.6	1.23	.63	.80	.95	27.8	8.1	1.43	.65	.82	.98	26.2	7.7	1.65	.66	.85	1.00	24.2	7.1	1.91	.69	.88	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.45	.58	.71	28.2	8.3	1.43	.45	.60	.73	26.6	7.8	1.65	.46	.61	.75	24.8	7.3	1.92	.47	.63	.78
	900	425	30.6	9.0	1.24	.46	.60	.74	29.0	8.5	1.43	.46	.61	.76	27.4	8.0	1.66	.47	.63	.79	25.4	7.4	1.92	.48	.65	.82
	1000	470	31.2	9.1	1.24	.47	.62	.77	29.6	8.7	1.44	.47	.63	.79	27.8	8.1	1.66	.48	.65	.82	26.0	7.6	1.93	.49	.67	.85

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CBX32M-030] [CB30M-31] [CB30U-31]

Entering Wet Bulb Tempera-ture	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1000	470	34.2	10.0	2.22	.75	.89	1.00	32.2	9.4	2.49	.77	.92	1.00	30.0	8.8	2.79	.79	.95	1.00	27.8	8.1	3.13	.82	.99	1.00
(17°C)	1200	565	35.4	10.4	2.23	.79	.95	1.00	33.4	9.8	2.50	.82	.98	1.00	31.2	9.1	2.80	.84	1.00	1.00	29.2	8.6	3.14	.88	1.00	1.00
67°F	1000	470	36.2	10.6	2.24	.59	.73	.86	34.2	10.0	2.51	.60	.74	.88	32.0	9.4	2.81	.62	.77	.92	29.6	8.7	3.15	.63	.80	.96
(19°C)	1200	565	37.6	11.0	2.25	.62	.77	.92	35.4	10.4	2.53	.63	.79	.95	33.2	9.7	2.82	.65	.82	.98	30.6	9.0	3.17	.67	.85	1.00
71°F	1000	470	38.5	11.3	2.26	.45	.58	.70	36.2	10.6	2.53	.45	.59	.72	34.0	10.0	2.84	.46	.60	.74	31.4	9.2	3.18	.46	.62	.77
(22°C)	1200	565	40.0	11.7	2.28	.46	.60	.74	37.6	11.0	2.55	.46	.62	.77	35.2	10.3	2.85	.47	.63	.79	32.6	9.6	3.19	.48	.65	.83

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CBX32M-030] [CB30M-31] [CB30U-31]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.5	8.6	1.70	27.4	8.0	1.65	25.3	7.4	1.59	23.1	6.8	1.54
900	425	30.0	8.8	1.63	27.9	8.2	1.58	25.8	7.6	1.53	23.7	6.9	1.47

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CBX32M-030] [CB30M-31] [CB30U-31]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	40.0	11.7	2.54	29.9	8.8	2.31	19.2	5.6	2.08	12.9	3.8	1.85	5.8	1.7	1.38
1200	565	42.0	12.3	2.43	31.9	9.3	2.21	21.2	6.2	1.97	14.9	4.4	1.74	7.8	2.3	1.27

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CBX32M-030] [CB30M-31] [CB30U-31]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.43	42.0	12.3
60	16	2.38	39.7	11.6
55	13	2.33	37.4	11.0
50	10	2.28	35.1	10.3
47	8	2.24	33.7	9.9
45	7	2.21	31.9	9.3
40	4	2.12	27.3	8.0
35	2	2.03	22.8	6.7
30	-1	2.00	22.0	6.4
25	-4	1.97	21.2	6.2
20	-7	1.95	20.4	6.0
17	-8	1.93	19.9	5.8
15	-9	1.91	19.0	5.6
10	-12	1.86	16.7	4.9
5	-15	1.74	14.9	4.4
0	-18	1.62	13.1	3.8
-5	-21	1.51	11.3	3.3
-10	-23	1.39	9.5	2.8
-15	-26	1.27	7.8	2.3
-20	-29	1.16	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CBX32M-036] [CB30M-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.21	.77	.92	1.00	24.8	7.3	1.41	.79	.95	1.00	23.4	6.9	1.63	.81	.98	1.00	21.8	6.4	1.90	.84	1.00	1.00
	900	425	27.2	8.0	1.21	.80	.96	1.00	25.6	7.5	1.41	.82	.98	1.00	24.0	7.0	1.64	.85	1.00	1.00	22.8	6.7	1.91	.88	1.00	1.00
	1000	470	27.8	8.1	1.22	.83	.99	1.00	26.4	7.7	1.42	.85	1.00	1.00	25.0	7.3	1.64	.88	1.00	1.00	23.4	6.9	1.91	.92	1.00	1.00
67°F (19°C)	800	380	28.2	8.3	1.22	.60	.74	.88	26.6	7.8	1.42	.61	.76	.91	25.0	7.3	1.64	.63	.78	.94	23.4	6.9	1.91	.64	.81	.98
	900	425	29.0	8.5	1.23	.62	.77	.92	27.4	8.0	1.42	.63	.79	.95	25.8	7.6	1.65	.65	.82	.98	24.0	7.0	1.91	.67	.85	1.00
	1000	470	29.6	8.7	1.23	.64	.80	.96	28.0	8.2	1.43	.65	.82	.98	26.2	7.7	1.65	.67	.85	1.00	24.4	7.2	1.92	.69	.89	1.00
71°F (22°C)	800	380	30.0	8.8	1.23	.45	.58	.71	28.4	8.3	1.43	.45	.60	.73	26.8	7.9	1.66	.46	.61	.76	25.0	7.3	1.92	.47	.63	.78
	900	425	30.8	9.0	1.24	.46	.60	.74	29.2	8.6	1.44	.46	.62	.76	27.4	8.0	1.66	.47	.63	.79	25.6	7.5	1.92	.48	.65	.82
	1000	470	31.4	9.2	1.24	.46	.62	.77	29.8	8.7	1.44	.47	.63	.79	28.0	8.2	1.66	.48	.65	.82	26.0	7.6	1.93	.49	.67	.86

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CBX32M-036] [CB30M-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.2	10.0	2.22	.75	.90	1.00	32.2	9.4	2.49	.77	.92	1.00	30.2	8.9	2.79	.80	.96	1.00	28.0	8.2	3.13	.83	.99	1.00
	1200	565	35.6	10.4	2.23	.80	.96	1.00	33.6	9.8	2.50	.82	.98	1.00	31.4	9.2	2.80	.85	1.00	1.00	29.2	8.6	3.15	.88	1.00	1.00
	1400	660	36.8	10.8	2.25	.84	1.00	1.00	34.8	10.2	2.52	.86	1.00	1.00	32.8	9.6	2.82	.90	1.00	1.00	30.6	9.0	3.16	.94	1.00	1.00
67°F (19°C)	1000	470	36.4	10.7	2.24	.59	.73	.86	34.4	10.1	2.51	.60	.75	.89	32.2	9.4	2.81	.62	.77	.92	29.8	8.7	3.16	.64	.80	.96
	1200	565	38.0	11.1	2.26	.62	.77	.92	35.6	10.4	2.53	.63	.79	.95	33.4	9.8	2.83	.65	.82	.98	30.8	9.0	3.17	.67	.86	1.00
	1400	660	39.0	11.4	2.27	.64	.81	.97	36.6	10.7	2.54	.66	.84	.99	34.2	10.0	2.84	.68	.87	1.00	31.6	9.3	3.18	.70	.91	1.00
71°F (22°C)	1000	470	38.5	11.3	2.27	.45	.58	.70	36.4	10.7	2.54	.45	.59	.72	34.0	10.0	2.84	.46	.60	.74	31.6	9.3	3.18	.46	.62	.77
	1200	565	40.0	11.7	2.28	.46	.60	.74	37.8	11.1	2.55	.46	.62	.77	35.4	10.4	2.85	.47	.63	.80	32.8	9.6	3.20	.48	.66	.83
	1400	660	41.0	12.0	2.29	.47	.63	.79	39.0	11.4	2.56	.47	.65	.81	36.2	10.6	2.87	.48	.67	.85	33.6	9.8	3.21	.49	.69	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CBX32M-036] [CB30M-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.7	8.7	1.68	27.6	8.1	1.63	25.4	7.4	1.57	23.3	6.8	1.52
900	425	30.2	8.9	1.61	28.0	8.2	1.56	25.9	7.6	1.50	23.8	7.0	1.45
1000	470	30.6	9.0	1.55	28.5	8.4	1.50	26.4	7.7	1.45	24.2	7.1	1.40

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CBX32M-036] [CB30M-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.7	11.6	2.51	30.3	8.9	2.29	20.4	6.0	2.06	14.3	4.2	1.83	6.9	2.0	1.37
1200	565	40.6	11.9	2.40	31.2	9.1	2.18	21.3	6.2	1.95	15.2	4.5	1.72	7.8	2.3	1.26
1400	660	41.2	12.1	2.33	31.8	9.3	2.11	21.9	6.4	1.88	15.8	4.6	1.65	8.4	2.5	1.19

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CBX32M-036] [CB30M-41]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.40	40.6	11.9
60	16	2.35	38.5	11.3
55	13	2.30	36.3	10.6
50	10	2.25	34.2	10.0
47	8	2.22	32.9	9.6
45	7	2.18	31.2	9.1
40	4	2.09	27.1	7.9
35	2	2.00	22.9	6.7
30	-1	1.98	22.1	6.5
25	-4	1.95	21.3	6.2
20	-7	1.93	20.5	6.0
17	-8	1.91	20.0	5.9
15	-9	1.89	19.1	5.6
10	-12	1.84	17.0	5.0
5	-15	1.72	15.2	4.5
0	-18	1.61	13.3	3.9
-5	-21	1.49	11.5	3.4
-10	-23	1.38	9.7	2.8
-15	-26	1.26	7.8	2.3
-20	-29	1.15	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CBX32M-048] [CB30M-51] [CB30U-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.8	7.9	1.21	.77	.92	1.00	25.4	7.4	1.41	.79	.95	1.00	23.8	7.0	1.64	.82	.98	1.00	22.4	6.6	1.90	.85	1.00	1.00
	900	425	27.6	8.1	1.22	.80	.96	1.00	26.2	7.7	1.41	.82	.99	1.00	24.6	7.2	1.64	.85	1.00	1.00	23.2	6.8	1.91	.89	1.00	1.00
	1000	470	28.4	8.3	1.22	.83	.99	1.00	27.0	7.9	1.42	.86	1.00	1.00	25.6	7.5	1.65	.88	1.00	1.00	24.0	7.0	1.91	.92	1.00	1.00
67°F (19°C)	800	380	28.8	8.4	1.23	.60	.74	.88	27.2	8.0	1.42	.61	.76	.91	25.6	7.5	1.65	.63	.79	.94	23.8	7.0	1.91	.64	.81	.98
	900	425	29.6	8.7	1.23	.62	.77	.92	28.0	8.2	1.43	.63	.80	.95	26.2	7.7	1.65	.65	.82	.98	24.4	7.2	1.92	.67	.85	1.00
	1000	470	30.2	8.9	1.24	.64	.80	.96	28.6	8.4	1.43	.65	.83	.99	26.8	7.9	1.66	.67	.86	1.00	25.0	7.3	1.92	.69	.89	1.00
71°F (22°C)	800	380	30.6	9.0	1.24	.45	.59	.72	29.0	8.5	1.43	.46	.60	.74	27.2	8.0	1.66	.46	.61	.76	25.4	7.4	1.92	.47	.63	.79
	900	425	31.4	9.2	1.24	.46	.61	.75	29.8	8.7	1.44	.46	.62	.77	28.0	8.2	1.67	.47	.63	.79	26.2	7.7	1.93	.48	.65	.82
	1000	470	32.2	9.4	1.25	.47	.62	.78	30.4	8.9	1.45	.47	.64	.80	28.6	8.4	1.67	.48	.66	.83	26.6	7.8	1.93	.49	.68	.86

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CBX32M-048] [CB30M-51] [CB30U-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	35.4	10.4	2.23	.75	.90	1.00	33.4	9.8	2.50	.77	.92	1.00	31.0	9.1	2.80	.80	.96	1.00	28.8	8.4	3.14	.83	.99	1.00
	1200	565	36.8	10.8	2.25	.80	.96	1.00	34.6	10.1	2.51	.82	.98	1.00	32.4	9.5	2.82	.85	1.00	1.00	30.4	8.9	3.16	.88	1.00	1.00
	1400	660	38.0	11.1	2.26	.84	1.00	1.00	36.0	10.6	2.53	.87	1.00	1.00	34.0	10.0	2.83	.90	1.00	1.00	31.6	9.3	3.18	.94	1.00	1.00
67°F (19°C)	1000	470	37.6	11.0	2.25	.59	.73	.86	35.4	10.4	2.52	.60	.75	.89	33.2	9.7	2.83	.62	.77	.92	30.8	9.0	3.17	.63	.80	.96
	1200	565	39.0	11.4	2.27	.62	.77	.92	36.8	10.8	2.54	.63	.80	.95	34.4	10.1	2.84	.65	.82	.98	31.8	9.3	3.18	.67	.86	1.00
	1400	660	40.0	11.7	2.28	.65	.82	.97	37.8	11.1	2.55	.66	.84	1.00	35.2	10.3	2.85	.68	.88	1.00	32.6	9.6	3.20	.70	.92	1.00
71°F (22°C)	1000	470	39.5	11.6	2.28	.45	.58	.70	37.6	11.0	2.55	.45	.59	.72	35.2	10.3	2.85	.46	.60	.75	32.6	9.6	3.19	.46	.62	.77
	1200	565	41.5	12.2	2.29	.46	.61	.75	39.0	11.4	2.57	.46	.62	.77	36.4	10.7	2.87	.47	.64	.80	33.8	9.9	3.21	.48	.66	.83
	1400	660	42.5	12.5	2.31	.47	.63	.79	40.0	11.7	2.58	.48	.65	.82	37.4	11.0	2.88	.48	.67	.85	34.6	10.1	3.23	.49	.70	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CBX32M-048] [CB30M-51] [CB30U-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.9	8.8	1.66	27.8	8.1	1.61	25.7	7.5	1.56	23.6	6.9	1.51
900	425	30.4	8.9	1.59	28.3	8.3	1.54	26.1	7.6	1.49	24.0	7.0	1.44
1000	470	30.7	9.0	1.53	28.6	8.4	1.48	26.5	7.8	1.43	24.3	7.1	1.38

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CBX32M-048] [CB30M-51] [CB30U-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	40.0	11.7	2.47	30.5	8.9	2.26	20.5	6.0	2.05	14.4	4.2	1.83	7.1	2.1	1.37
1200	565	40.7	11.9	2.36	31.2	9.1	2.15	21.2	6.2	1.94	15.1	4.4	1.72	7.8	2.3	1.26
1400	660	41.3	12.1	2.29	31.8	9.3	2.08	21.8	6.4	1.87	15.7	4.6	1.65	8.4	2.5	1.19

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CBX32M-048] [CB30M-51] [CB30U-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.36	40.7	11.9
60	16	2.31	38.6	11.3
55	13	2.26	36.4	10.7
50	10	2.22	34.2	10.0
47	8	2.19	32.9	9.6
45	7	2.15	31.2	9.1
40	4	2.07	27.0	7.9
35	2	1.98	22.8	6.7
30	-1	1.96	22.0	6.4
25	-4	1.94	21.2	6.2
20	-7	1.91	20.4	6.0
17	-8	1.90	19.9	5.8
15	-9	1.88	19.1	5.6
10	-12	1.83	16.9	5.0
5	-15	1.72	15.1	4.4
0	-18	1.60	13.3	3.9
-5	-21	1.49	11.4	3.3
-10	-23	1.37	9.6	2.8
-15	-26	1.26	7.8	2.3
-20	-29	1.14	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CB30M-46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.21	.77	.92	1.00	24.8	7.3	1.41	.79	.95	1.00	23.4	6.9	1.63	.81	.98	1.00	21.8	6.4	1.90	.84	1.00	1.00
	900	425	27.2	8.0	1.21	.80	.96	1.00	25.6	7.5	1.41	.82	.98	1.00	24.0	7.0	1.64	.85	1.00	1.00	22.8	6.7	1.91	.88	1.00	1.00
	1000	470	27.8	8.1	1.22	.83	.99	1.00	26.4	7.7	1.42	.85	1.00	1.00	25.0	7.3	1.64	.88	1.00	1.00	23.4	6.9	1.91	.92	1.00	1.00
67°F (19°C)	800	380	28.2	8.3	1.22	.60	.74	.88	26.6	7.8	1.42	.61	.76	.91	25.0	7.3	1.64	.63	.78	.94	23.4	6.9	1.91	.64	.81	.98
	900	425	29.0	8.5	1.23	.62	.77	.92	27.4	8.0	1.42	.63	.79	.95	25.8	7.6	1.65	.65	.82	.98	24.0	7.0	1.91	.67	.85	1.00
	1000	470	29.6	8.7	1.23	.64	.80	.96	28.0	8.2	1.43	.65	.82	.98	26.2	7.7	1.65	.67	.85	1.00	24.4	7.2	1.92	.69	.89	1.00
71°F (22°C)	800	380	30.0	8.8	1.23	.45	.58	.71	28.4	8.3	1.43	.45	.60	.73	26.8	7.9	1.66	.46	.61	.76	25.0	7.3	1.92	.47	.63	.78
	900	425	30.8	9.0	1.24	.46	.60	.74	29.2	8.6	1.44	.46	.62	.76	27.4	8.0	1.66	.47	.63	.79	25.6	7.5	1.92	.48	.65	.82
	1000	470	31.4	9.2	1.24	.46	.62	.77	29.8	8.7	1.44	.47	.63	.79	28.0	8.2	1.66	.48	.65	.82	26.0	7.6	1.93	.49	.67	.86

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CB30M-46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.2	10.0	2.22	.75	.90	1.00	32.2	9.4	2.49	.77	.92	1.00	30.2	8.9	2.79	.80	.96	1.00	28.0	8.2	3.13	.83	.99	1.00
	1200	565	35.6	10.4	2.23	.80	.96	1.00	33.6	9.8	2.50	.82	.98	1.00	31.4	9.2	2.80	.85	1.00	1.00	29.2	8.6	3.15	.88	1.00	1.00
	1400	660	36.8	10.8	2.25	.84	1.00	1.00	34.8	10.2	2.52	.86	1.00	1.00	32.8	9.6	2.82	.90	1.00	1.00	30.6	9.0	3.16	.94	1.00	1.00
67°F (19°C)	1000	470	36.4	10.7	2.24	.59	.73	.86	34.4	10.1	2.51	.60	.75	.89	32.2	9.4	2.81	.62	.77	.92	29.8	8.7	3.16	.64	.80	.96
	1200	565	38.0	11.1	2.26	.62	.77	.92	35.6	10.4	2.53	.63	.79	.95	33.4	9.8	2.83	.65	.82	.98	30.8	9.0	3.17	.67	.86	1.00
	1400	660	39.0	11.4	2.27	.64	.81	.97	36.6	10.7	2.54	.66	.84	.99	34.2	10.0	2.84	.68	.87	1.00	31.6	9.3	3.18	.70	.91	1.00
71°F (22°C)	1000	470	38.5	11.3	2.27	.45	.58	.70	36.4	10.7	2.54	.45	.59	.72	34.0	10.0	2.84	.46	.60	.74	31.6	9.3	3.18	.46	.62	.77
	1200	565	40.0	11.7	2.28	.46	.60	.74	37.8	11.1	2.55	.46	.62	.77	35.4	10.4	2.85	.47	.63	.80	32.8	9.6	3.20	.48	.66	.83
	1400	660	41.0	12.0	2.29	.47	.63	.79	39.0	11.4	2.56	.47	.65	.81	36.2	10.6	2.87	.48	.67	.85	33.6	9.8	3.21	.49	.69	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CB30M-46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.7	8.7	1.68	27.6	8.1	1.63	25.4	7.4	1.57	23.3	6.8	1.52
900	425	30.3	8.9	1.61	28.1	8.2	1.56	26.0	7.6	1.50	23.8	7.0	1.45
1000	470	30.6	9.0	1.55	28.5	8.4	1.50	26.3	7.7	1.45	24.2	7.1	1.40

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CB30M-46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.8	11.7	2.51	30.4	8.9	2.29	20.4	6.0	2.06	14.3	4.2	1.83	7.0	2.1	1.37
1200	565	40.6	11.9	2.40	31.2	9.1	2.18	21.2	6.2	1.95	15.1	4.4	1.72	7.8	2.3	1.26
1400	660	41.2	12.1	2.33	31.8	9.3	2.11	21.8	6.4	1.88	15.7	4.6	1.65	8.4	2.5	1.19

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 [CB30M-46]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.40	40.6	11.9
60	16	2.35	38.5	11.3
55	13	2.30	36.3	10.6
50	10	2.25	34.2	10.0
47	8	2.22	32.9	9.6
45	7	2.18	31.2	9.1
40	4	2.09	27.0	7.9
35	2	2.00	22.8	6.7
30	-1	1.98	22.0	6.4
25	-4	1.95	21.2	6.2
20	-7	1.93	20.5	6.0
17	-8	1.91	20.0	5.9
15	-9	1.89	19.1	5.6
10	-12	1.84	17.0	5.0
5	-15	1.72	15.1	4.4
0	-18	1.61	13.3	3.9
-5	-21	1.49	11.5	3.4
-10	-23	1.38	9.7	2.8
-15	-26	1.26	7.8	2.3
-20	-29	1.15	6.0	1.8

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CB30U-41/46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.21	.77	.92	1.00	25.0	7.3	1.41	.79	.95	1.00	23.4	6.9	1.63	.81	.98	1.00	21.8	6.4	1.90	.84	1.00	1.00
	900	425	27.0	7.9	1.21	.80	.96	1.00	25.6	7.5	1.41	.82	.98	1.00	24.2	7.1	1.64	.85	1.00	1.00	22.8	6.7	1.91	.88	1.00	1.00
	1000	470	27.8	8.1	1.22	.83	.99	1.00	26.4	7.7	1.42	.85	1.00	1.00	25.0	7.3	1.64	.88	1.00	1.00	23.4	6.9	1.91	.92	1.00	1.00
67°F (19°C)	800	380	28.2	8.3	1.22	.60	.74	.88	26.8	7.9	1.42	.61	.76	.91	25.2	7.4	1.64	.63	.78	.94	23.4	6.9	1.91	.64	.81	.98
	900	425	29.0	8.5	1.23	.62	.77	.92	27.4	8.0	1.42	.63	.79	.95	25.8	7.6	1.65	.65	.82	.98	24.0	7.0	1.91	.66	.85	1.00
	1000	470	29.6	8.7	1.23	.64	.80	.96	28.0	8.2	1.43	.65	.82	.98	26.2	7.7	1.65	.67	.85	1.00	24.4	7.2	1.92	.69	.89	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.45	.59	.71	28.4	8.3	1.43	.45	.60	.73	26.8	7.9	1.66	.46	.61	.76	25.0	7.3	1.92	.47	.63	.78
	900	425	30.8	9.0	1.24	.46	.61	.75	29.2	8.6	1.44	.46	.61	.76	27.4	8.0	1.66	.47	.63	.79	25.6	7.5	1.92	.48	.65	.82
	1000	470	31.4	9.2	1.24	.47	.62	.77	29.8	8.7	1.44	.47	.63	.79	28.0	8.2	1.67	.48	.65	.82	26.2	7.7	1.93	.49	.67	.86

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CB30U-41/46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.4	10.1	2.22	.75	.90	1.00	32.4	9.5	2.49	.77	.92	1.00	30.2	8.9	2.79	.80	.96	1.00	28.0	8.2	3.13	.83	.99	1.00
	1200	565	35.6	10.4	2.24	.79	.96	1.00	33.6	9.8	2.50	.82	.98	1.00	31.4	9.2	2.80	.85	1.00	1.00	29.4	8.6	3.15	.88	1.00	1.00
	1400	660	36.8	10.8	2.25	.84	.99	1.00	34.8	10.2	2.52	.86	1.00	1.00	32.8	9.6	2.82	.90	1.00	1.00	30.6	9.0	3.16	.94	1.00	1.00
67°F (19°C)	1000	470	36.6	10.7	2.24	.59	.73	.86	34.4	10.1	2.51	.60	.75	.89	32.2	9.4	2.82	.62	.77	.92	29.8	8.7	3.16	.63	.80	.96
	1200	565	38.0	11.1	2.26	.62	.77	.92	35.8	10.5	2.53	.63	.79	.95	33.4	9.8	2.83	.65	.82	.98	30.8	9.0	3.17	.67	.86	1.00
	1400	660	39.0	11.4	2.27	.64	.81	.97	36.6	10.7	2.54	.66	.84	.99	34.2	10.0	2.84	.68	.87	1.00	31.6	9.3	3.18	.70	.91	1.00
71°F (22°C)	1000	470	38.5	11.3	2.27	.45	.58	.70	36.4	10.7	2.54	.45	.59	.72	34.2	10.0	2.84	.46	.60	.74	31.6	9.3	3.18	.46	.62	.77
	1200	565	40.0	11.7	2.28	.46	.60	.74	37.8	11.1	2.55	.46	.62	.77	35.4	10.4	2.85	.47	.64	.80	32.8	9.6	3.20	.48	.66	.83
	1400	660	41.0	12.0	2.29	.47	.63	.79	39.0	11.4	2.56	.47	.65	.82	36.4	10.7	2.87	.48	.67	.85	33.6	9.8	3.21	.49	.69	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CB30U-41/46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.7	8.7	1.68	27.5	8.1	1.63	25.4	7.4	1.58	23.3	6.8	1.52
900	425	30.2	8.9	1.61	28.0	8.2	1.56	25.9	7.6	1.51	23.8	7.0	1.45
1000	470	30.6	9.0	1.55	28.5	8.4	1.50	26.3	7.7	1.45	24.2	7.1	1.40

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CB30U-41/46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.8	11.7	2.51	30.4	8.9	2.29	20.4	6.0	2.06	14.3	4.2	1.83	7.0	2.1	1.37
1200	565	40.6	11.9	2.41	31.2	9.1	2.19	21.2	6.2	1.95	15.1	4.4	1.73	7.8	2.3	1.26
1400	660	41.2	12.1	2.33	31.8	9.3	2.11	21.8	6.4	1.88	15.7	4.6	1.65	8.4	2.5	1.19

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CB30U-41/46]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.41	40.6	11.9
60	16	2.36	38.5	11.3
55	13	2.30	36.3	10.6
50	10	2.25	34.2	10.0
47	8	2.22	32.9	9.6
45	7	2.19	31.2	9.1
40	4	2.10	27.0	7.9
35	2	2.01	22.8	6.7
30	-1	1.98	22.0	6.4
25	-4	1.95	21.2	6.2
20	-7	1.93	20.4	6.0
17	-8	1.91	20.0	5.9
15	-9	1.89	19.1	5.6
10	-12	1.84	16.9	5.0
5	-15	1.73	15.1	4.4
0	-18	1.61	13.3	3.9
-5	-21	1.50	11.5	3.4
-10	-23	1.38	9.6	2.8
-15	-26	1.26	7.8	2.3
-20	-29	1.15	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CX34-44/48B/C-6F] [C33-48B/C]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.21	.78	.92	1.00	25.0	7.3	1.41	.79	.94	1.00	23.6	6.9	1.63	.82	.97	1.00	22.0	6.4	1.90	.85	1.00	1.00
	900	425	27.2	8.0	1.22	.80	.95	1.00	25.8	7.6	1.41	.82	.98	1.00	24.2	7.1	1.64	.85	1.00	1.00	22.8	6.7	1.91	.88	1.00	1.00
	1000	470	27.8	8.1	1.22	.83	.98	1.00	26.4	7.7	1.42	.85	1.00	1.00	25.0	7.3	1.64	.88	1.00	1.00	23.6	6.9	1.91	.92	1.00	1.00
67°F (19°C)	800	380	28.2	8.3	1.22	.61	.75	.88	26.8	7.9	1.42	.62	.76	.90	25.2	7.4	1.65	.64	.79	.94	23.6	6.9	1.91	.65	.82	.97
	900	425	29.0	8.5	1.23	.63	.77	.91	27.6	8.1	1.43	.64	.79	.94	26.0	7.6	1.65	.66	.82	.97	24.2	7.1	1.91	.68	.85	1.00
	1000	470	29.8	8.7	1.23	.65	.80	.95	28.2	8.3	1.43	.66	.82	.98	26.4	7.7	1.66	.68	.85	1.00	24.6	7.2	1.92	.70	.89	1.00
71°F (22°C)	800	380	30.2	8.9	1.24	.47	.60	.72	28.6	8.4	1.43	.48	.61	.74	27.0	7.9	1.66	.48	.62	.76	25.2	7.4	1.92	.49	.64	.79
	900	425	31.0	9.1	1.24	.48	.61	.75	29.4	8.6	1.44	.48	.63	.77	27.8	8.1	1.66	.49	.64	.79	25.8	7.6	1.93	.50	.66	.82
	1000	470	31.6	9.3	1.25	.49	.63	.77	30.0	8.8	1.44	.49	.65	.79	28.2	8.3	1.67	.50	.66	.82	26.4	7.7	1.93	.51	.68	.86

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [CX34-44/48B/C-6F] [C33-48B/C]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.6	10.1	2.23	.75	.89	1.00	32.8	9.6	2.49	.77	.91	1.00	30.6	9.0	2.79	.80	.95	1.00	28.4	8.3	3.14	.83	.98	1.00
	1200	565	36.0	10.6	2.24	.79	.94	1.00	34.0	10.0	2.51	.81	.97	1.00	31.8	9.3	2.81	.84	1.00	1.00	29.8	8.7	3.16	.88	1.00	1.00
	1400	660	37.2	10.9	2.25	.83	.99	1.00	35.2	10.3	2.52	.86	1.00	1.00	33.2	9.7	2.83	.89	1.00	1.00	31.0	9.1	3.17	.93	1.00	1.00
67°F (19°C)	1000	470	37.0	10.8	2.25	.60	.73	.85	34.8	10.2	2.52	.61	.75	.88	32.6	9.6	2.82	.62	.77	.91	30.4	8.9	3.16	.64	.80	.95
	1200	565	38.5	11.3	2.26	.63	.77	.91	36.2	10.6	2.53	.64	.79	.94	34.0	10.0	2.84	.65	.82	.97	31.4	9.2	3.18	.68	.85	1.00
	1400	660	39.5	11.6	2.28	.65	.81	.95	37.2	10.9	2.55	.67	.83	.99	34.8	10.2	2.85	.68	.86	1.00	32.2	9.4	3.19	.71	.91	1.00
71°F (22°C)	1000	470	39.0	11.4	2.27	.47	.59	.70	37.0	10.8	2.54	.47	.60	.72	34.6	10.1	2.85	.47	.61	.74	32.2	9.4	3.19	.48	.63	.77
	1200	565	40.5	11.9	2.29	.48	.61	.74	38.5	11.3	2.56	.48	.62	.76	36.0	10.6	2.87	.49	.64	.79	33.4	9.8	3.21	.50	.66	.82
	1400	660	42.0	12.3	2.30	.49	.64	.78	39.5	11.6	2.58	.50	.65	.81	37.0	10.8	2.88	.50	.67	.84	34.2	10.0	3.22	.51	.70	.88

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CX34-44/48B/C-6F] [C33-48B/C]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	28.8	8.4	1.84	26.8	7.9	1.79	24.8	7.3	1.74	22.7	6.7	1.68
900	425	29.4	8.6	1.76	27.3	8.0	1.71	25.3	7.4	1.66	23.2	6.8	1.61
1000	470	29.8	8.7	1.70	27.8	8.1	1.65	25.8	7.6	1.60	23.7	6.9	1.55

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CX34-44/48B/C-6F [C33-48B/C

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	38.6	11.3	2.72	29.5	8.6	2.47	19.9	5.8	2.21	14.0	4.1	1.96	6.8	2.0	1.46
1200	565	39.5	11.6	2.61	30.4	8.9	2.36	20.8	6.1	2.10	14.9	4.4	1.85	7.7	2.3	1.35
1400	660	40.2	11.8	2.53	31.1	9.1	2.28	21.5	6.3	2.02	15.6	4.6	1.77	8.4	2.5	1.27

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CX34-44/48B/C-6F] [C33-48B/C]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.61	39.5	11.6
60	16	2.55	37.4	11.0
55	13	2.49	35.3	10.3
50	10	2.43	33.2	9.7
47	8	2.40	32.0	9.4
45	7	2.36	30.4	8.9
40	4	2.26	26.3	7.7
35	2	2.16	22.3	6.5
30	-1	2.13	21.5	6.3
25	-4	2.10	20.8	6.1
20	-7	2.07	20.0	5.9
17	-8	2.05	19.6	5.7
15	-9	2.03	18.7	5.5
10	-12	1.97	16.7	4.9
5	-15	1.85	14.9	4.4
0	-18	1.72	13.1	3.8
-5	-21	1.60	11.3	3.3
-10	-23	1.48	9.5	2.8
-15	-26	1.35	7.7	2.3
-20	-29	1.23	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [C33-44C]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.21	.78	.92	1.00	25.0	7.3	1.41	.79	.95	1.00	23.6	6.9	1.64	.82	.98	1.00	22.0	6.4	1.90	.85	1.00	1.00
	900	425	27.2	8.0	1.21	.80	.96	1.00	25.8	7.6	1.41	.82	.98	1.00	24.2	7.1	1.64	.85	1.00	1.00	22.8	6.7	1.91	.88	1.00	1.00
	1000	470	28.0	8.2	1.22	.83	.99	1.00	26.4	7.7	1.42	.85	1.00	1.00	25.0	7.3	1.65	.88	1.00	1.00	23.6	6.9	1.91	.92	1.00	1.00
67°F (19°C)	800	380	28.4	8.3	1.22	.61	.75	.88	26.8	7.9	1.42	.62	.77	.91	25.2	7.4	1.65	.64	.79	.94	23.6	6.9	1.91	.66	.82	.97
	900	425	29.2	8.6	1.23	.63	.78	.92	27.6	8.1	1.43	.64	.80	.94	26.0	7.6	1.65	.66	.82	.98	24.2	7.1	1.92	.68	.85	1.00
	1000	470	29.8	8.7	1.23	.65	.80	.95	28.2	8.3	1.43	.66	.83	.98	26.6	7.8	1.65	.68	.85	1.00	24.6	7.2	1.92	.70	.89	1.00
71°F (22°C)	800	380	30.2	8.9	1.24	.47	.60	.72	28.8	8.4	1.43	.47	.61	.74	27.0	7.9	1.66	.48	.62	.76	25.2	7.4	1.92	.49	.64	.79
	900	425	31.0	9.1	1.24	.48	.62	.75	29.4	8.6	1.44	.48	.63	.77	27.8	8.1	1.66	.49	.64	.79	26.0	7.6	1.93	.50	.66	.82
	1000	470	31.8	9.3	1.25	.49	.64	.78	30.2	8.9	1.44	.49	.65	.80	28.4	8.3	1.67	.50	.66	.82	26.4	7.7	1.93	.51	.68	.86

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [C33-44C]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.6	10.1	2.23	.76	.89	1.00	32.6	9.6	2.49	.77	.92	1.00	30.6	9.0	2.79	.80	.95	1.00	28.4	8.3	3.13	.83	.99	1.00
	1200	565	36.0	10.6	2.24	.80	.95	1.00	34.0	10.0	2.51	.82	.98	1.00	31.8	9.3	2.81	.85	1.00	1.00	29.6	8.7	3.16	.88	1.00	1.00
	1400	660	37.0	10.8	2.25	.83	.99	1.00	35.0	10.3	2.52	.86	1.00	1.00	33.2	9.7	2.83	.89	1.00	1.00	31.0	9.1	3.17	.93	1.00	1.00
67°F (19°C)	1000	470	36.8	10.8	2.25	.60	.73	.86	34.8	10.2	2.52	.61	.75	.88	32.6	9.6	2.82	.63	.77	.91	30.2	8.9	3.16	.64	.80	.95
	1200	565	38.5	11.3	2.26	.63	.77	.91	36.2	10.6	2.53	.64	.79	.94	33.8	9.9	2.83	.66	.82	.98	31.2	9.1	3.18	.68	.85	1.00
	1400	660	39.5	11.6	2.28	.65	.81	.96	37.2	10.9	2.55	.67	.84	.99	34.8	10.2	2.85	.69	.87	1.00	32.0	9.4	3.19	.71	.91	1.00
71°F (22°C)	1000	470	39.0	11.4	2.27	.46	.58	.70	37.0	10.8	2.54	.47	.60	.72	34.6	10.1	2.85	.47	.61	.74	32.2	9.4	3.19	.48	.63	.77
	1200	565	40.5	11.9	2.29	.48	.61	.75	38.5	11.3	2.56	.48	.62	.77	36.0	10.6	2.86	.49	.64	.79	33.2	9.7	3.21	.50	.66	.83
	1400	660	42.0	12.3	2.30	.49	.64	.79	39.5	11.6	2.57	.49	.65	.81	36.8	10.8	2.88	.50	.67	.84	34.2	10.0	3.22	.51	.70	.88

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [C33-44C]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.0	8.5	1.81	27.0	7.9	1.76	24.9	7.3	1.70	22.9	6.7	1.64
900	425	29.6	8.7	1.73	27.5	8.1	1.68	25.5	7.5	1.62	23.5	6.9	1.57
1000	470	30.0	8.8	1.67	28.0	8.2	1.62	25.9	7.6	1.56	23.9	7.0	1.50

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [C33-44C]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	38.9	11.4	2.66	29.7	8.7	2.43	20.0	5.9	2.18	14.1	4.1	1.93	6.8	2.0	1.45
1200	565	39.8	11.7	2.55	30.6	9.0	2.31	20.9	6.1	2.06	15.0	4.4	1.82	7.7	2.3	1.33
1400	660	40.4	11.8	2.47	31.2	9.1	2.24	21.5	6.3	1.99	15.6	4.6	1.74	8.3	2.4	1.26

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [C33-44C]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.55	39.8	11.7
60	16	2.49	37.7	11.0
55	13	2.44	35.6	10.4
50	10	2.38	33.5	9.8
47	8	2.35	32.2	9.4
45	7	2.31	30.6	9.0
40	4	2.21	26.5	7.8
35	2	2.12	22.4	6.6
30	-1	2.09	21.7	6.4
25	-4	2.06	20.9	6.1
20	-7	2.03	20.2	5.9
17	-8	2.02	19.7	5.8
15	-9	1.99	18.9	5.5
10	-12	1.94	16.8	4.9
5	-15	1.82	15.0	4.4
0	-18	1.70	13.2	3.9
-5	-21	1.57	11.4	3.3
-10	-23	1.45	9.5	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.21	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CX34-44/48B-6F + G60UHV-36B-090] [C33-48B + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	705	335	25.4	7.4	1.20	.74	.88	1.00	24.2	7.1	1.40	.76	.90	1.00	22.8	6.7	1.63	.78	.93	1.00	21.2	6.2	1.89	.81	.96	1.00
	820	385	26.4	7.7	1.21	.77	.92	1.00	25.0	7.3	1.41	.79	.95	1.00	23.6	6.9	1.64	.82	.98	1.00	22.0	6.4	1.90	.85	1.00	1.00
	900	425	27.0	7.9	1.21	.79	.95	1.00	25.6	7.5	1.41	.81	.97	1.00	24.2	7.1	1.64	.84	1.00	1.00	22.6	6.6	1.90	.87	1.00	1.00
67°F (19°C)	705	335	27.2	8.0	1.22	.59	.72	.84	26.0	7.6	1.41	.60	.73	.86	24.4	7.2	1.64	.61	.75	.89	22.8	6.7	1.90	.62	.77	.92
	820	385	28.4	8.3	1.22	.61	.75	.88	26.8	7.9	1.42	.62	.76	.90	25.2	7.4	1.65	.63	.79	.94	23.6	6.9	1.91	.65	.81	.97
	900	425	29.0	8.5	1.23	.62	.77	.91	27.4	8.0	1.42	.63	.79	.93	25.8	7.6	1.65	.65	.81	.97	24.0	7.0	1.91	.67	.84	1.00
71°F (22°C)	705	335	29.0	8.5	1.23	.46	.57	.69	27.6	8.1	1.43	.46	.58	.70	26.0	7.6	1.65	.46	.59	.72	24.4	7.2	1.92	.47	.61	.74
	820	385	30.2	8.9	1.24	.47	.59	.72	28.6	8.4	1.43	.47	.60	.73	27.0	7.9	1.66	.47	.61	.76	25.2	7.4	1.92	.48	.63	.78
	900	425	30.8	9.0	1.24	.47	.61	.74	29.4	8.6	1.44	.47	.62	.76	27.6	8.1	1.66	.48	.63	.78	25.8	7.6	1.93	.49	.65	.81

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [CX34-44/48B-6F + G60UHV-36B-090] [C33-48B + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1010	475	34.6	10.1	2.23	.75	.89	1.00	32.8	9.6	2.49	.77	.91	1.00	30.6	9.0	2.79	.79	.95	1.00	28.4	8.3	3.14	.82	.98	1.00
	1175	555	35.8	10.5	2.24	.78	.93	1.00	33.8	9.9	2.51	.80	.96	1.00	31.6	9.3	2.81	.83	.99	1.00	29.4	8.6	3.15	.86	1.00	1.00
	1275	600	36.4	10.7	2.24	.80	.96	1.00	34.4	10.1	2.51	.82	.98	1.00	32.2	9.4	2.81	.85	1.00	1.00	30.2	8.9	3.16	.89	1.00	1.00
67°F (19°C)	1010	475	37.0	10.8	2.25	.60	.73	.85	34.8	10.2	2.52	.61	.74	.88	32.6	9.6	2.82	.62	.77	.91	30.4	8.9	3.16	.64	.79	.95
	1175	555	38.0	11.1	2.26	.62	.75	.89	36.0	10.6	2.53	.63	.78	.92	33.6	9.8	2.83	.64	.80	.96	31.2	9.1	3.17	.66	.84	.99
	1275	600	38.5	11.3	2.27	.63	.78	.92	36.6	10.7	2.54	.64	.80	.95	34.2	10.0	2.84	.66	.83	.98	31.6	9.3	3.18	.68	.86	1.00
71°F (22°C)	1010	475	39.0	11.4	2.27	.46	.58	.70	37.0	10.8	2.54	.46	.59	.72	34.6	10.1	2.85	.47	.60	.74	32.2	9.4	3.19	.48	.62	.77
	1175	555	40.5	11.9	2.29	.47	.60	.73	38.0	11.1	2.56	.47	.61	.75	35.8	10.5	2.86	.48	.63	.78	33.2	9.7	3.20	.49	.65	.81
	1275	600	41.0	12.0	2.29	.48	.62	.75	39.0	11.4	2.56	.48	.63	.77	36.4	10.7	2.87	.49	.65	.80	33.6	9.8	3.21	.50	.67	.84

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CX34-44/48B-6F + G60UHV-36B-090] [C33-48B + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
700	330	27.8	8.1	1.93	25.8	7.6	1.87	23.8	7.0	1.81	21.8	6.4	1.75
820	390	28.5	8.4	1.81	26.5	7.8	1.76	24.5	7.2	1.70	22.5	6.6	1.64
900	425	29.4	8.6	1.68	27.4	8.0	1.62	25.4	7.4	1.56	23.4	6.9	1.50

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CX34-44/48B-6F + G60UHV-36B-090] [C33-48B + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1010	475	38.2	11.2	2.70	29.2	8.6	2.46	19.7	5.8	2.20	13.9	4.1	1.95	6.9	2.0	1.46
1175	555	38.8	11.4	2.61	29.8	8.7	2.36	20.3	5.9	2.10	14.5	4.2	1.85	7.5	2.2	1.36
1275	600	39.7	11.6	2.46	30.7	9.0	2.21	21.2	6.2	1.95	15.4	4.5	1.70	8.4	2.5	1.21

HEATING PERFORMANCE at 1175 cfm (555 L/s) Indoor Coil Air Volume
HPXA16-036 with [CX34-44/48B-6F + G60UHV-36B-090] or [C33-48B + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.61	38.8	11.4
60	16	2.55	36.8	10.8
55	13	2.49	34.7	10.2
50	10	2.43	32.7	9.6
47	8	2.40	31.4	9.2
45	7	2.36	29.8	8.7
40	4	2.26	25.8	7.6
35	2	2.16	21.8	6.4
30	-1	2.13	21.1	6.2
25	-4	2.10	20.3	5.9
20	-7	2.08	19.6	5.7
17	-8	2.06	19.1	5.6
15	-9	2.04	18.3	5.4
10	-12	1.98	16.2	4.7
5	-15	1.85	14.5	4.2
0	-18	1.73	12.7	3.7
-5	-21	1.61	11.0	3.2
-10	-23	1.48	9.2	2.7
-15	-26	1.36	7.5	2.2
-20	-29	1.24	5.7	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CX34-44/48B-6F + G61MPV-36B-070] [C33-48B + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	595	280	24.2	7.1	1.20	.71	.83	.95	23.0	6.7	1.39	.73	.85	.97	21.6	6.3	1.62	.74	.88	1.00	20.2	5.9	1.89	.77	.91	1.00
	750	355	25.8	7.6	1.21	.75	.89	1.00	24.4	7.2	1.40	.77	.91	1.00	23.0	6.7	1.63	.79	.94	1.00	21.4	6.3	1.90	.82	.98	1.00
	900	425	27.2	8.0	1.21	.79	.95	1.00	25.6	7.5	1.41	.82	.98	1.00	24.2	7.1	1.64	.84	1.00	1.00	22.8	6.7	1.90	.88	1.00	1.00
67°F (19°C)	595	280	26.0	7.6	1.21	.57	.69	.80	24.8	7.3	1.40	.58	.70	.81	23.4	6.9	1.63	.59	.72	.84	21.8	6.4	1.90	.60	.74	.87
	750	355	27.6	8.1	1.22	.60	.72	.85	26.2	7.7	1.42	.60	.74	.87	24.8	7.3	1.64	.62	.76	.90	23.0	6.7	1.91	.63	.79	.94
	900	425	29.0	8.5	1.23	.62	.77	.91	27.4	8.0	1.42	.63	.79	.94	25.8	7.6	1.65	.65	.81	.97	24.0	7.0	1.91	.67	.84	1.00
71°F (22°C)	595	280	27.6	8.1	1.22	.45	.56	.66	26.4	7.7	1.42	.45	.56	.67	25.0	7.3	1.64	.45	.57	.69	23.4	6.9	1.91	.46	.58	.71
	750	355	29.4	8.6	1.23	.46	.58	.70	28.0	8.2	1.43	.46	.59	.71	26.4	7.7	1.66	.46	.60	.73	24.8	7.3	1.92	.47	.61	.76
	900	425	30.8	9.0	1.24	.47	.61	.74	29.4	8.6	1.44	.48	.62	.76	27.6	8.1	1.66	.48	.63	.78	25.8	7.6	1.93	.49	.65	.81

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [CX34-44/48B-6F + G61MPV-36B-070] [C33-48B + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	975	460	34.4	10.1	2.22	.74	.88	1.00	32.4	9.5	2.49	.76	.90	1.00	30.4	8.9	2.79	.78	.93	1.00	28.2	8.3	3.13	.81	.97	1.00
	1185	560	36.0	10.6	2.24	.79	.93	1.00	34.0	10.0	2.51	.81	.96	1.00	31.8	9.3	2.81	.83	.99	1.00	29.6	8.7	3.15	.87	1.00	1.00
	1435	675	37.4	11.0	2.25	.84	.99	1.00	35.4	10.4	2.52	.87	1.00	1.00	33.4	9.8	2.83	.90	1.00	1.00	31.2	9.1	3.18	.94	1.00	1.00
67°F (19°C)	975	460	36.6	10.7	2.25	.59	.72	.84	34.6	10.1	2.52	.60	.73	.86	32.4	9.5	2.82	.61	.76	.90	30.2	8.9	3.16	.63	.78	.93
	1185	560	38.5	11.3	2.26	.62	.76	.90	36.0	10.6	2.53	.63	.78	.93	33.8	9.9	2.83	.65	.81	.96	31.2	9.1	3.18	.67	.84	1.00
	1435	675	39.5	11.6	2.28	.66	.81	.96	37.4	11.0	2.55	.67	.84	.99	35.0	10.3	2.85	.69	.87	1.00	32.2	9.4	3.19	.72	.92	1.00
71°F (22°C)	975	460	38.5	11.3	2.27	.46	.58	.69	36.6	10.7	2.54	.46	.59	.71	34.4	10.1	2.85	.46	.60	.73	32.0	9.4	3.19	.47	.62	.76
	1185	560	40.5	11.9	2.29	.47	.61	.74	38.0	11.1	2.56	.48	.62	.76	35.8	10.5	2.86	.48	.63	.78	33.4	9.8	3.21	.49	.66	.82
	1435	675	42.0	12.3	2.30	.49	.64	.79	39.5	11.6	2.58	.50	.66	.82	37.2	10.9	2.88	.51	.68	.85	34.4	10.1	3.22	.52	.70	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CX34-44/48B-6F + G61MPV-36B-070] [C33-48B + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
595	280	27.0	7.9	2.07	25.0	7.3	2.01	23.1	6.8	1.95	21.1	6.2	1.88
750	355	28.0	8.2	1.88	26.0	7.6	1.82	24.0	7.0	1.75	22.1	6.5	1.69
900	425	28.9	8.5	1.76	27.0	7.9	1.70	25.0	7.3	1.63	23.0	6.7	1.57

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CX34-44/48B-6F + G61MPV-36B-070] [C33-48B + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
975	460	38.1	11.2	2.72	29.0	8.5	2.48	19.5	5.7	2.22	13.6	4.0	1.98	6.6	1.9	1.48
1185	560	39.1	11.5	2.60	30.0	8.8	2.36	20.5	6.0	2.10	14.6	4.3	1.86	7.6	2.2	1.36
1435	680	40.3	11.8	2.51	31.2	9.1	2.26	21.7	6.4	2.01	15.8	4.6	1.76	8.8	2.6	1.27

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume
HPXA16-036 with [CX34-44/48B-6F + G61MPV-36B-070] or [C33-48B + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.60	39.1	11.5
60	16	2.55	37.0	10.8
55	13	2.49	34.9	10.2
50	10	2.43	32.9	9.6
47	8	2.40	31.6	9.3
45	7	2.36	30.0	8.8
40	4	2.26	26.0	7.6
35	2	2.16	22.0	6.4
30	-1	2.13	21.2	6.2
25	-4	2.10	20.5	6.0
20	-7	2.08	19.7	5.8
17	-8	2.06	19.3	5.7
15	-9	2.04	18.5	5.4
10	-12	1.98	16.4	4.8
5	-15	1.86	14.6	4.3
0	-18	1.73	12.9	3.8
-5	-21	1.61	11.1	3.3
-10	-23	1.48	9.3	2.7
-15	-26	1.36	7.6	2.2
-20	-29	1.24	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [C33-44C + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	705	335	25.6	7.5	1.20	.74	.88	1.00	24.2	7.1	1.40	.76	.90	1.00	22.8	6.7	1.63	.78	.93	1.00	21.2	6.2	1.89	.81	.97	1.00
	820	385	26.4	7.7	1.21	.77	.92	1.00	25.0	7.3	1.41	.79	.95	1.00	23.6	6.9	1.64	.82	.98	1.00	22.0	6.4	1.90	.85	1.00	1.00
	950	450	27.4	8.0	1.22	.81	.96	1.00	26.0	7.6	1.41	.83	.99	1.00	24.4	7.2	1.64	.86	1.00	1.00	23.0	6.7	1.91	.89	1.00	1.00
67°F (19°C)	705	335	27.4	8.0	1.22	.59	.72	.84	26.0	7.6	1.41	.60	.73	.86	24.6	7.2	1.64	.61	.75	.89	22.8	6.7	1.91	.63	.78	.92
	820	385	28.4	8.3	1.22	.61	.75	.88	27.0	7.9	1.42	.62	.76	.91	25.4	7.4	1.65	.63	.79	.94	23.6	6.9	1.91	.65	.82	.97
	950	450	29.4	8.6	1.23	.63	.78	.93	27.8	8.1	1.43	.64	.80	.95	26.2	7.7	1.65	.66	.83	.99	24.2	7.1	1.92	.68	.86	1.00
71°F (22°C)	705	335	29.2	8.6	1.23	.45	.57	.69	27.8	8.1	1.43	.46	.58	.70	26.2	7.7	1.65	.46	.59	.72	24.4	7.2	1.92	.47	.61	.75
	820	385	30.2	8.9	1.24	.46	.60	.72	28.8	8.4	1.43	.46	.60	.74	27.0	7.9	1.66	.47	.62	.76	25.2	7.4	1.92	.48	.63	.79
	950	450	31.2	9.1	1.24	.47	.62	.76	29.6	8.7	1.44	.47	.63	.77	27.8	8.1	1.67	.48	.64	.80	26.0	7.6	1.93	.49	.66	.83

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [C33-44C + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1010	475	34.6	10.1	2.23	.75	.89	1.00	32.6	9.6	2.49	.77	.92	1.00	30.6	9.0	2.79	.79	.95	1.00	28.2	8.3	3.13	.82	.99	1.00
	1175	555	35.8	10.5	2.24	.78	.93	1.00	33.8	9.9	2.50	.81	.96	1.00	31.6	9.3	2.81	.83	.99	1.00	29.4	8.6	3.15	.87	1.00	1.00
	1185	560	35.8	10.5	2.24	.79	.94	1.00	33.8	9.9	2.50	.81	.97	1.00	31.6	9.3	2.81	.84	1.00	1.00	29.4	8.6	3.15	.87	1.00	1.00
67°F (19°C)	1010	475	36.8	10.8	2.25	.60	.73	.85	34.8	10.2	2.52	.61	.74	.88	32.6	9.6	2.82	.62	.77	.91	30.2	8.9	3.16	.64	.80	.95
	1175	555	38.0	11.1	2.26	.62	.76	.90	36.0	10.6	2.53	.63	.78	.93	33.6	9.8	2.83	.64	.81	.96	31.0	9.1	3.17	.67	.84	1.00
	1185	560	38.0	11.1	2.26	.62	.76	.90	36.0	10.6	2.53	.63	.78	.93	33.6	9.8	2.83	.65	.81	.97	31.0	9.1	3.17	.67	.85	1.00
71°F (22°C)	1010	475	39.0	11.4	2.27	.46	.58	.70	37.0	10.8	2.54	.46	.59	.72	34.6	10.1	2.85	.47	.61	.74	32.2	9.4	3.19	.48	.62	.77
	1175	555	40.5	11.9	2.29	.47	.60	.73	38.0	11.1	2.56	.47	.61	.75	35.8	10.5	2.86	.48	.63	.78	33.0	9.7	3.20	.49	.65	.81
	1185	560	40.5	11.9	2.29	.47	.61	.74	38.0	11.1	2.56	.47	.62	.76	35.8	10.5	2.86	.48	.63	.78	33.0	9.7	3.21	.49	.66	.82

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [C33-44C + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
705	335	28.0	8.2	1.90	26.0	7.6	1.84	24.0	7.0	1.78	22.0	6.4	1.72
820	390	28.7	8.4	1.78	26.7	7.8	1.72	24.7	7.2	1.66	22.7	6.7	1.60
950	450	29.6	8.7	1.65	27.6	8.1	1.58	25.6	7.5	1.52	23.6	6.9	1.46

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [C33-44C + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1010	475	38.6	11.3	2.65	29.5	8.6	2.41	19.8	5.8	2.15	13.9	4.1	1.91	6.9	2.0	1.42
1175	555	39.2	11.5	2.55	30.1	8.8	2.31	20.4	6.0	2.06	14.5	4.2	1.81	7.5	2.2	1.33
1185	560	39.6	11.6	2.49	30.5	8.9	2.25	20.8	6.1	2.00	14.9	4.4	1.75	7.9	2.3	1.27

HEATING PERFORMANCE at 1175 cfm (555 L/s) Indoor Coil Air Volume
HPXA16-036 with [C33-44C + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.55	39.2	11.5
60	16	2.50	37.1	10.9
55	13	2.44	35.0	10.3
50	10	2.38	32.9	9.6
47	8	2.35	31.7	9.3
45	7	2.31	30.1	8.8
40	4	2.21	26.0	7.6
35	2	2.12	22.0	6.4
30	-1	2.09	21.2	6.2
25	-4	2.06	20.4	6.0
20	-7	2.03	19.7	5.8
17	-8	2.01	19.2	5.6
15	-9	1.99	18.4	5.4
10	-12	1.93	16.3	4.8
5	-15	1.81	14.5	4.2
0	-18	1.69	12.8	3.8
-5	-21	1.57	11.0	3.2
-10	-23	1.45	9.3	2.7
-15	-26	1.33	7.5	2.2
-20	-29	1.21	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [C33-44C + G61MPV-36C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	595	280	24.4	7.2	1.20	.71	.84	.95	23.2	6.8	1.39	.73	.85	.98	21.8	6.4	1.62	.75	.88	1.00	20.4	6.0	1.89	.77	.91	1.00
	750	355	25.8	7.6	1.21	.75	.89	1.00	24.6	7.2	1.40	.77	.92	1.00	23.0	6.7	1.63	.79	.95	1.00	21.4	6.3	1.90	.82	.98	1.00
	900	425	27.2	8.0	1.21	.80	.95	1.00	25.6	7.5	1.41	.82	.98	1.00	24.2	7.1	1.64	.84	1.00	1.00	22.8	6.7	1.91	.88	1.00	1.00
67°F (19°C)	595	280	26.0	7.6	1.21	.57	.69	.80	24.8	7.3	1.41	.58	.70	.82	23.4	6.9	1.63	.59	.72	.84	21.8	6.4	1.90	.60	.74	.87
	750	355	27.8	8.1	1.22	.59	.73	.85	26.4	7.7	1.42	.60	.74	.88	24.8	7.3	1.64	.62	.76	.91	23.2	6.8	1.91	.63	.79	.94
	900	425	29.0	8.5	1.23	.62	.77	.91	27.6	8.1	1.43	.63	.79	.94	25.8	7.6	1.65	.65	.81	.97	24.0	7.0	1.91	.67	.85	1.00
71°F (22°C)	595	280	27.8	8.1	1.22	.45	.55	.66	26.4	7.7	1.42	.45	.56	.67	25.0	7.3	1.64	.45	.57	.69	23.4	6.9	1.91	.46	.58	.71
	750	355	29.6	8.7	1.23	.45	.58	.70	28.2	8.3	1.43	.46	.59	.71	26.4	7.7	1.65	.46	.60	.73	24.8	7.3	1.92	.47	.61	.76
	900	425	31.0	9.1	1.24	.47	.61	.74	29.4	8.6	1.44	.47	.62	.76	27.6	8.1	1.66	.48	.63	.78	25.8	7.6	1.93	.49	.65	.82

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [C33-44C + G61MPV-36C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	975	460	34.2	10.0	2.22	.74	.88	1.00	32.4	9.5	2.49	.76	.90	1.00	30.2	8.9	2.79	.79	.94	1.00	28.0	8.2	3.13	.81	.97	1.00
	1185	560	35.8	10.5	2.24	.79	.94	1.00	33.8	9.9	2.51	.81	.97	1.00	31.6	9.3	2.81	.84	1.00	1.00	29.4	8.6	3.15	.87	1.00	1.00
	1435	675	37.4	11.0	2.25	.84	1.00	1.00	35.4	10.4	2.52	.87	1.00	1.00	33.4	9.8	2.83	.90	1.00	1.00	31.2	9.1	3.18	.95	1.00	1.00
67°F (19°C)	975	460	36.6	10.7	2.25	.59	.72	.84	34.6	10.1	2.51	.60	.74	.87	32.4	9.5	2.82	.62	.76	.90	30.0	8.8	3.16	.63	.79	.94
	1185	560	38.0	11.1	2.26	.62	.76	.90	36.0	10.6	2.53	.63	.78	.93	33.6	9.8	2.83	.65	.81	.97	31.2	9.1	3.17	.67	.85	1.00
	1435	675	39.5	11.6	2.28	.66	.82	.97	37.4	11.0	2.55	.67	.84	1.00	34.8	10.2	2.85	.69	.88	1.00	32.2	9.4	3.19	.72	.92	1.00
71°F (22°C)	975	460	38.5	11.3	2.27	.45	.58	.69	36.6	10.7	2.54	.46	.59	.71	34.4	10.1	2.84	.46	.60	.73	32.0	9.4	3.19	.47	.62	.76
	1185	560	40.5	11.9	2.29	.47	.61	.74	38.0	11.1	2.56	.47	.62	.76	35.8	10.5	2.86	.48	.64	.78	33.2	9.7	3.21	.49	.66	.82
	1435	675	42.0	12.3	2.30	.49	.64	.80	39.5	11.6	2.57	.50	.66	.82	37.0	10.8	2.88	.51	.68	.85	34.4	10.1	3.22	.52	.71	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [C33-44C + G61MPV-36C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
595	280	27.2	8.0	2.04	25.2	7.4	1.97	23.3	6.8	1.91	21.3	6.2	1.84
750	355	28.2	8.3	1.85	26.2	7.7	1.78	24.2	7.1	1.71	22.3	6.5	1.65
900	425	29.1	8.5	1.73	27.2	8.0	1.66	25.2	7.4	1.60	23.3	6.8	1.53

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [C33-44C + G61MPV-36C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
975	460	38.4	11.3	2.67	29.3	8.6	2.38	19.6	5.7	2.04	13.7	4.0	1.94	6.6	1.9	1.45
1185	560	39.4	11.5	2.55	30.3	8.9	2.26	20.6	6.0	1.92	14.7	4.3	1.82	7.6	2.2	1.33
1435	680	40.6	11.9	2.45	31.5	9.2	2.16	21.8	6.4	1.83	15.9	4.7	1.72	8.8	2.6	1.24

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume
HPXA16-036 with [C33-44C + G61MPV-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.55	39.4	11.5
60	16	2.49	37.3	10.9
55	13	2.44	35.2	10.3
50	10	2.38	33.1	9.7
47	8	2.35	31.9	9.3
45	7	2.26	30.3	8.9
40	4	2.03	26.2	7.7
35	2	1.81	22.2	6.5
30	-1	1.87	21.4	6.3
25	-4	1.92	20.6	6.0
20	-7	1.98	19.9	5.8
17	-8	2.02	19.4	5.7
15	-9	1.99	18.6	5.5
10	-12	1.94	16.5	4.8
5	-15	1.82	14.7	4.3
0	-18	1.70	12.9	3.8
-5	-21	1.57	11.1	3.3
-10	-23	1.45	9.4	2.8
-15	-26	1.33	7.6	2.2
-20	-29	1.21	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CR26-48N/W-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.21	.78	.92	1.00	25.0	7.3	1.41	.80	.95	1.00	23.6	6.9	1.63	.82	.98	1.00	22.0	6.4	1.90	.85	1.00	1.00
	900	425	27.0	7.9	1.21	.81	.96	1.00	25.8	7.6	1.41	.83	.98	1.00	24.2	7.1	1.64	.85	1.00	1.00	23.0	6.7	1.91	.89	1.00	1.00
	1000	470	27.6	8.1	1.22	.83	.98	1.00	26.4	7.7	1.42	.86	1.00	1.00	25.0	7.3	1.65	.89	1.00	1.00	23.6	6.9	1.91	.93	1.00	1.00
67°F (19°C)	800	380	28.2	8.3	1.22	.62	.75	.88	26.8	7.9	1.42	.63	.77	.91	25.2	7.4	1.65	.64	.79	.94	23.6	6.9	1.91	.66	.82	.97
	900	425	28.8	8.4	1.23	.64	.78	.91	27.6	8.1	1.43	.64	.80	.95	26.0	7.6	1.65	.66	.83	.98	24.2	7.1	1.92	.68	.86	1.00
	1000	470	29.4	8.6	1.23	.65	.80	.95	28.2	8.3	1.43	.66	.83	.98	26.4	7.7	1.65	.68	.86	1.00	24.6	7.2	1.92	.70	.89	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.47	.60	.72	28.6	8.4	1.43	.47	.61	.74	27.0	7.9	1.66	.48	.63	.76	25.2	7.4	1.92	.49	.64	.79
	900	425	30.6	9.0	1.24	.48	.62	.75	29.4	8.6	1.44	.48	.63	.77	27.6	8.1	1.66	.49	.65	.79	25.8	7.6	1.93	.49	.67	.83
	1000	470	31.2	9.1	1.24	.49	.64	.77	30.0	8.8	1.44	.49	.65	.80	28.4	8.3	1.67	.50	.66	.83	26.4	7.7	1.93	.51	.69	.86

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [CR26-48N/W-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.6	10.1	2.22	.76	.89	1.00	32.8	9.6	2.49	.78	.92	1.00	30.6	9.0	2.79	.80	.95	1.00	28.4	8.3	3.13	.83	.99	1.00
	1200	565	36.0	10.6	2.24	.80	.95	1.00	34.0	10.0	2.51	.82	.98	1.00	31.8	9.3	2.81	.85	1.00	1.00	29.8	8.7	3.15	.89	1.00	1.00
	1400	660	37.0	10.8	2.25	.84	.99	1.00	35.0	10.3	2.52	.86	1.00	1.00	33.2	9.7	2.83	.90	1.00	1.00	31.0	9.1	3.18	.94	1.00	1.00
67°F (19°C)	1000	470	36.8	10.8	2.25	.61	.73	.86	34.8	10.2	2.52	.62	.75	.88	32.6	9.6	2.82	.63	.78	.92	30.2	8.9	3.16	.65	.81	.95
	1200	565	38.5	11.3	2.26	.63	.77	.91	36.2	10.6	2.53	.64	.80	.94	33.8	9.9	2.84	.66	.82	.97	31.4	9.2	3.18	.68	.86	1.00
	1400	660	39.5	11.6	2.27	.65	.81	.96	37.2	10.9	2.55	.67	.84	.99	34.6	10.1	2.85	.69	.87	1.00	32.0	9.4	3.19	.72	.91	1.00
71°F (22°C)	1000	470	39.0	11.4	2.27	.47	.59	.71	36.8	10.8	2.54	.47	.60	.73	34.6	10.1	2.85	.47	.61	.75	32.2	9.4	3.19	.48	.63	.78
	1200	565	40.5	11.9	2.29	.47	.62	.75	38.5	11.3	2.56	.48	.63	.77	35.8	10.5	2.86	.49	.65	.80	33.2	9.7	3.21	.50	.67	.83
	1400	660	41.5	12.2	2.30	.49	.64	.79	39.5	11.6	2.57	.50	.66	.81	36.8	10.8	2.88	.50	.68	.85	34.2	10.0	3.22	.52	.70	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CR26-48N/W-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.3	8.6	1.76	27.2	8.0	1.71	25.1	7.4	1.66	23.0	6.7	1.60
900	425	29.8	8.7	1.69	27.8	8.1	1.64	25.7	7.5	1.58	23.6	6.9	1.53
1000	470	30.3	8.9	1.63	28.2	8.3	1.58	26.1	7.6	1.53	24.1	7.1	1.47

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CR26-48N/W-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.2	11.5	2.61	30.0	8.8	2.38	20.3	5.9	2.13	14.3	4.2	1.89	7.0	2.1	1.42
1200	565	40.0	11.7	2.50	30.8	9.0	2.27	21.1	6.2	2.03	15.1	4.4	1.79	7.8	2.3	1.31
1400	660	40.7	11.9	2.43	31.5	9.2	2.20	21.8	6.4	1.96	15.8	4.6	1.72	8.5	2.5	1.24

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CR26-48N/W-F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.50	40.0	11.7
60	16	2.45	37.9	11.1
55	13	2.40	35.8	10.5
50	10	2.34	33.7	9.9
47	8	2.31	32.4	9.5
45	7	2.27	30.8	9.0
40	4	2.18	26.7	7.8
35	2	2.09	22.6	6.6
30	-1	2.06	21.8	6.4
25	-4	2.03	21.1	6.2
20	-7	2.00	20.3	5.9
17	-8	1.98	19.8	5.8
15	-9	1.96	19.0	5.6
10	-12	1.91	16.9	5.0
5	-15	1.79	15.1	4.4
0	-18	1.67	13.2	3.9
-5	-21	1.55	11.4	3.3
-10	-23	1.43	9.6	2.8
-15	-26	1.31	7.8	2.3
-20	-29	1.19	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CR26-48N-F + G60DFV-60C]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	795	375	26.2	7.7	1.21	.77	.91	1.00	25.0	7.3	1.41	.79	.94	1.00	23.4	6.9	1.63	.81	.97	1.00	21.8	6.4	1.90	.84	1.00	1.00
	845	400	26.6	7.8	1.21	.78	.93	1.00	25.2	7.4	1.41	.80	.96	1.00	23.8	7.0	1.64	.83	.99	1.00	22.2	6.5	1.90	.86	1.00	1.00
	940	445	27.2	8.0	1.22	.81	.96	1.00	25.8	7.6	1.41	.83	.99	1.00	24.4	7.2	1.64	.86	1.00	1.00	23.0	6.7	1.91	.89	1.00	1.00
67°F (19°C)	795	375	28.0	8.2	1.22	.61	.74	.87	26.8	7.9	1.42	.62	.76	.90	25.2	7.4	1.65	.63	.78	.93	23.4	6.9	1.91	.65	.81	.97
	845	400	28.4	8.3	1.22	.62	.75	.89	27.0	7.9	1.42	.62	.77	.92	25.4	7.4	1.65	.64	.80	.95	23.8	7.0	1.91	.66	.83	.99
	940	445	29.0	8.5	1.23	.63	.78	.92	27.8	8.1	1.43	.64	.80	.96	26.2	7.7	1.65	.66	.83	.99	24.4	7.2	1.92	.68	.86	1.00
71°F (22°C)	795	375	29.6	8.7	1.23	.46	.59	.72	28.4	8.3	1.43	.46	.60	.73	26.8	7.9	1.66	.47	.62	.75	25.2	7.4	1.92	.48	.63	.78
	845	400	30.0	8.8	1.24	.46	.60	.73	28.8	8.4	1.43	.47	.61	.75	27.2	8.0	1.66	.47	.62	.77	25.4	7.4	1.92	.48	.64	.80
	940	445	30.8	9.0	1.24	.47	.62	.75	29.4	8.6	1.44	.48	.63	.77	27.8	8.1	1.67	.48	.65	.80	26.0	7.6	1.93	.49	.67	.83

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [CR26-48N-F + G60DFV-60C]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1110	525	35.2	10.3	2.23	.77	.92	1.00	33.2	9.7	2.50	.79	.95	1.00	31.0	9.1	2.80	.82	.98	1.00	28.8	8.4	3.14	.85	1.00	1.00
	1210	570	35.8	10.5	2.24	.79	.95	1.00	33.8	9.9	2.51	.82	.97	1.00	31.8	9.3	2.81	.84	1.00	1.00	29.6	8.7	3.15	.88	1.00	1.00
	1335	630	36.6	10.7	2.25	.82	.97	1.00	34.4	10.1	2.51	.84	1.00	1.00	32.6	9.6	2.82	.87	1.00	1.00	30.4	8.9	3.17	.91	1.00	1.00
67°F (19°C)	1110	525	37.6	11.0	2.26	.60	.75	.88	35.4	10.4	2.52	.62	.77	.91	33.2	9.7	2.83	.63	.79	.94	30.8	9.0	3.17	.65	.82	.98
	1210	570	38.0	11.1	2.26	.62	.77	.91	36.0	10.6	2.53	.64	.79	.94	33.8	9.9	2.83	.65	.82	.97	31.2	9.1	3.18	.67	.85	1.00
	1335	630	39.0	11.4	2.27	.64	.79	.94	36.6	10.7	2.54	.65	.82	.97	34.4	10.1	2.84	.67	.85	1.00	31.8	9.3	3.19	.69	.89	1.00
71°F (22°C)	1110	525	39.5	11.6	2.28	.46	.60	.72	37.4	11.0	2.55	.46	.61	.74	35.2	10.3	2.85	.47	.62	.77	32.6	9.6	3.20	.48	.64	.80
	1210	570	40.5	11.9	2.28	.46	.61	.74	38.0	11.1	2.56	.47	.62	.77	35.8	10.5	2.86	.48	.64	.79	33.2	9.7	3.21	.49	.66	.83
	1335	630	41.0	12.0	2.29	.48	.63	.77	39.0	11.4	2.57	.48	.64	.79	36.4	10.7	2.87	.49	.66	.82	33.8	9.9	3.21	.50	.68	.86

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CR26-48N-F + G60DFV-60C]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
795	375	28.7	8.4	1.74	26.6	7.8	1.69	24.6	7.2	1.63	22.5	6.6	1.58
845	400	29.1	8.5	1.71	27.0	7.9	1.66	25.0	7.3	1.60	22.9	6.7	1.55
950	450	29.5	8.6	1.65	27.5	8.1	1.59	25.4	7.4	1.54	23.4	6.9	1.48

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CR26-48N-F + G60DFV-60C]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1110	525	39.2	11.5	2.53	30.0	8.8	2.30	20.2	5.9	2.06	14.2	4.2	1.82	7.2	2.1	1.34
1210	570	39.6	11.6	2.49	30.4	8.9	2.26	20.6	6.0	2.02	14.6	4.3	1.78	7.6	2.2	1.30
1335	630	39.9	11.7	2.44	30.7	9.0	2.21	20.9	6.1	1.97	14.9	4.4	1.73	7.9	2.3	1.25

HEATING PERFORMANCE at 1210 cfm (570 L/s) Indoor Coil Air Volume
HPXA16-036 with [CR26-48N-F + G60DFV-60C]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	39.6	11.6
60	16	2.44	37.5	11.0
55	13	2.38	35.4	10.4
50	10	2.33	33.3	9.8
47	8	2.30	32.0	9.4
45	7	2.26	30.4	8.9
40	4	2.17	26.3	7.7
35	2	2.07	22.2	6.5
30	-1	2.05	21.4	6.3
25	-4	2.02	20.6	6.0
20	-7	1.99	19.8	5.8
17	-8	1.97	19.3	5.7
15	-9	1.95	18.5	5.4
10	-12	1.90	16.4	4.8
5	-15	1.78	14.6	4.3
0	-18	1.66	12.9	3.8
-5	-21	1.54	11.1	3.3
-10	-23	1.42	9.3	2.7
-15	-26	1.30	7.6	2.2
-20	-29	1.19	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CH23-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.2	7.7	1.21	.78	.93	1.00	24.8	7.3	1.41	.80	.95	1.00	23.4	6.9	1.63	.83	.98	1.00	22.0	6.4	1.90	.86	1.00	1.00
	900	425	27.0	7.9	1.21	.81	.96	1.00	25.6	7.5	1.41	.83	.99	1.00	24.2	7.1	1.64	.86	1.00	1.00	23.0	6.7	1.91	.90	1.00	1.00
	1000	470	27.6	8.1	1.22	.84	.99	1.00	26.4	7.7	1.42	.86	1.00	1.00	25.2	7.4	1.65	.89	1.00	1.00	23.6	6.9	1.91	.93	1.00	1.00
67°F (19°C)	800	380	28.0	8.2	1.22	.62	.75	.89	26.6	7.8	1.42	.63	.77	.91	25.2	7.4	1.65	.64	.80	.94	23.4	6.9	1.91	.66	.83	.98
	900	425	28.8	8.4	1.23	.63	.78	.92	27.4	8.0	1.42	.65	.80	.95	25.8	7.6	1.65	.66	.83	.98	24.0	7.0	1.91	.68	.86	1.00
	1000	470	29.6	8.7	1.23	.65	.81	.96	28.0	8.2	1.43	.67	.83	.99	26.2	7.7	1.65	.69	.86	1.00	24.4	7.2	1.92	.71	.90	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.47	.60	.73	28.4	8.3	1.43	.47	.61	.74	26.8	7.9	1.66	.48	.63	.77	25.0	7.3	1.92	.49	.65	.80
	900	425	30.6	9.0	1.24	.48	.62	.75	29.2	8.6	1.44	.48	.63	.77	27.4	8.0	1.66	.49	.65	.80	25.6	7.5	1.92	.50	.67	.83
	1000	470	31.4	9.2	1.24	.49	.64	.78	29.8	8.7	1.44	.49	.65	.80	28.0	8.2	1.67	.50	.67	.83	26.2	7.7	1.93	.51	.69	.87

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [CH23-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.4	10.1	2.22	.76	.90	1.00	32.6	9.6	2.49	.78	.93	1.00	30.4	8.9	2.79	.81	.96	1.00	28.4	8.3	3.13	.84	.99	1.00
	1200	565	35.8	10.5	2.24	.80	.95	1.00	33.8	9.9	2.51	.83	.98	1.00	31.8	9.3	2.81	.86	1.00	1.00	29.8	8.7	3.16	.89	1.00	1.00
	1400	660	37.0	10.8	2.25	.85	.99	1.00	35.2	10.3	2.52	.87	1.00	1.00	33.2	9.7	2.83	.91	1.00	1.00	31.2	9.1	3.18	.95	1.00	1.00
67°F (19°C)	1000	470	36.6	10.7	2.25	.61	.74	.87	34.6	10.1	2.52	.62	.76	.89	32.4	9.5	2.82	.64	.78	.92	30.2	8.9	3.16	.65	.81	.96
	1200	565	38.0	11.1	2.26	.63	.78	.92	35.8	10.5	2.53	.65	.80	.95	33.6	9.8	2.83	.67	.83	.98	31.2	9.1	3.18	.69	.87	1.00
	1400	660	39.0	11.4	2.27	.66	.82	.97	36.8	10.8	2.54	.68	.85	.99	34.6	10.1	2.84	.70	.88	1.00	32.0	9.4	3.19	.72	.92	1.00
71°F (22°C)	1000	470	38.5	11.3	2.27	.47	.59	.71	36.6	10.7	2.54	.47	.60	.73	34.4	10.1	2.84	.48	.62	.76	32.0	9.4	3.19	.48	.64	.78
	1200	565	40.0	11.7	2.28	.48	.62	.75	38.0	11.1	2.56	.49	.63	.78	35.6	10.4	2.86	.49	.65	.81	33.2	9.7	3.21	.50	.68	.84
	1400	660	41.5	12.2	2.30	.49	.65	.80	39.0	11.4	2.57	.50	.66	.82	36.6	10.7	2.87	.51	.69	.86	34.0	10.0	3.22	.52	.71	.90

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CH23-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.3	8.6	1.75	27.3	8.0	1.70	25.2	7.4	1.65	23.1	6.8	1.60
900	425	29.8	8.7	1.68	27.8	8.1	1.63	25.7	7.5	1.58	23.6	6.9	1.53
1000	470	30.3	8.9	1.62	28.2	8.3	1.57	26.2	7.7	1.52	24.1	7.1	1.47

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CH23-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.3	11.5	2.60	30.0	8.8	2.37	20.2	5.9	2.14	14.2	4.2	1.90	7.0	2.1	1.42
1200	565	40.1	11.8	2.49	30.8	9.0	2.27	21.0	6.2	2.03	15.0	4.4	1.80	7.8	2.3	1.32
1400	660	40.8	12.0	2.42	31.5	9.2	2.20	21.7	6.4	1.96	15.7	4.6	1.73	8.5	2.5	1.25

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CH23-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	40.1	11.8
60	16	2.44	38.0	11.1
55	13	2.39	35.8	10.5
50	10	2.34	33.7	9.9
47	8	2.30	32.5	9.5
45	7	2.27	30.8	9.0
40	4	2.18	26.7	7.8
35	2	2.08	22.6	6.6
30	-1	2.06	21.8	6.4
25	-4	2.03	21.0	6.2
20	-7	2.01	20.3	5.9
17	-8	1.99	19.8	5.8
15	-9	1.97	19.0	5.6
10	-12	1.92	16.9	5.0
5	-15	1.80	15.0	4.4
0	-18	1.68	13.2	3.9
-5	-21	1.56	11.4	3.3
-10	-23	1.44	9.6	2.8
-15	-26	1.32	7.8	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CH23-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.21	.78	.93	1.00	25.0	7.3	1.41	.80	.95	1.00	23.6	6.9	1.63	.83	.98	1.00	22.2	6.5	1.90	.86	1.00	1.00
	900	425	27.2	8.0	1.22	.81	.96	1.00	25.8	7.6	1.41	.83	.99	1.00	24.6	7.2	1.64	.86	1.00	1.00	23.2	6.8	1.91	.90	1.00	1.00
	1000	470	28.0	8.2	1.22	.84	.99	1.00	26.8	7.9	1.42	.86	1.00	1.00	25.4	7.4	1.65	.90	1.00	1.00	24.0	7.0	1.91	.93	1.00	1.00
67°F (19°C)	800	380	28.2	8.3	1.22	.62	.76	.89	26.8	7.9	1.42	.63	.77	.92	25.4	7.4	1.65	.65	.80	.95	23.6	6.9	1.91	.66	.83	.98
	900	425	29.2	8.6	1.23	.64	.78	.93	27.6	8.1	1.43	.65	.81	.95	26.0	7.6	1.65	.67	.83	.99	24.2	7.1	1.92	.69	.87	1.00
	1000	470	29.8	8.7	1.23	.65	.81	.96	28.2	8.3	1.43	.67	.84	.99	26.4	7.7	1.66	.69	.87	1.00	24.6	7.2	1.92	.71	.90	1.00
71°F (22°C)	800	380	30.0	8.8	1.23	.47	.60	.73	28.6	8.4	1.43	.47	.61	.75	27.0	7.9	1.66	.48	.63	.77	25.2	7.4	1.92	.49	.65	.80
	900	425	31.0	9.1	1.24	.48	.62	.75	29.4	8.6	1.44	.48	.63	.78	27.8	8.1	1.66	.49	.65	.80	26.0	7.6	1.93	.50	.67	.84
	1000	470	31.8	9.3	1.25	.49	.64	.78	30.2	8.9	1.44	.49	.65	.81	28.2	8.3	1.67	.50	.67	.84	26.4	7.7	1.93	.51	.70	.87

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [CH23-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.8	10.2	2.23	.76	.90	1.00	32.8	9.6	2.50	.79	.93	1.00	30.8	9.0	2.80	.81	.96	1.00	28.6	8.4	3.14	.84	1.00	1.00
	1200	565	36.2	10.6	2.24	.81	.96	1.00	34.2	10.0	2.51	.83	.99	1.00	32.2	9.4	2.81	.86	1.00	1.00	30.2	8.9	3.16	.90	1.00	1.00
	1400	660	37.4	11.0	2.25	.85	1.00	1.00	35.6	10.4	2.53	.88	1.00	1.00	33.6	9.8	2.83	.91	1.00	1.00	31.4	9.2	3.18	.95	1.00	1.00
67°F (19°C)	1000	470	36.8	10.8	2.25	.61	.74	.87	35.0	10.3	2.52	.62	.76	.89	32.8	9.6	2.82	.64	.78	.93	30.4	8.9	3.17	.66	.82	.96
	1200	565	38.5	11.3	2.26	.64	.78	.93	36.2	10.6	2.53	.65	.81	.95	34.0	10.0	2.84	.67	.84	.99	31.4	9.2	3.18	.69	.87	1.00
	1400	660	39.5	11.6	2.28	.66	.83	.98	37.2	10.9	2.55	.68	.85	1.00	34.8	10.2	2.85	.70	.89	1.00	32.2	9.4	3.19	.73	.93	1.00
71°F (22°C)	1000	470	39.0	11.4	2.27	.46	.59	.71	37.0	10.8	2.54	.47	.61	.73	34.6	10.1	2.85	.48	.62	.76	32.2	9.4	3.19	.49	.64	.79
	1200	565	40.5	11.9	2.29	.47	.62	.76	38.5	11.3	2.56	.49	.64	.78	36.0	10.6	2.86	.49	.65	.81	33.4	9.8	3.21	.50	.68	.84
	1400	660	42.0	12.3	2.30	.49	.65	.80	39.5	11.6	2.57	.50	.67	.83	37.0	10.8	2.88	.51	.69	.86	34.2	10.0	3.22	.52	.72	.90

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CH23-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.6	8.7	1.71	27.5	8.1	1.66	25.4	7.4	1.61	23.3	6.8	1.56
900	425	30.1	8.8	1.64	28.0	8.2	1.59	25.9	7.6	1.54	23.8	7.0	1.49
1000	470	30.6	9.0	1.58	28.5	8.4	1.54	26.4	7.7	1.49	24.3	7.1	1.44

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CH23-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.5	11.6	2.54	30.2	8.9	2.32	20.3	5.9	2.09	14.2	4.2	1.86	6.9	2.0	1.39
1200	565	40.4	11.8	2.44	31.1	9.1	2.22	21.2	6.2	1.99	15.1	4.4	1.76	7.8	2.3	1.29
1400	660	41.1	12.0	2.36	31.8	9.3	2.15	21.9	6.4	1.92	15.8	4.6	1.69	8.5	2.5	1.22

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CH23-65]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.44	40.4	11.8
60	16	2.39	38.3	11.2
55	13	2.34	36.2	10.6
50	10	2.29	34.0	10.0
47	8	2.26	32.7	9.6
45	7	2.22	31.1	9.1
40	4	2.13	26.9	7.9
35	2	2.04	22.7	6.7
30	-1	2.02	21.9	6.4
25	-4	1.99	21.2	6.2
20	-7	1.97	20.4	6.0
17	-8	1.95	19.9	5.8
15	-9	1.93	19.1	5.6
10	-12	1.88	17.0	5.0
5	-15	1.76	15.1	4.4
0	-18	1.65	13.3	3.9
-5	-21	1.53	11.5	3.4
-10	-23	1.41	9.6	2.8
-15	-26	1.29	7.8	2.3
-20	-29	1.17	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CH33-44/48B-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.6	7.8	1.21	.78	.93	1.00	25.2	7.4	1.41	.80	.95	1.00	23.8	7.0	1.64	.82	.98	1.00	22.2	6.5	1.90	.85	1.00	1.00
	900	425	27.4	8.0	1.22	.81	.96	1.00	26.0	7.6	1.41	.83	.99	1.00	24.4	7.2	1.64	.86	1.00	1.00	23.0	6.7	1.91	.89	1.00	1.00
	1000	470	28.0	8.2	1.22	.83	.99	1.00	26.6	7.8	1.42	.86	1.00	1.00	25.4	7.4	1.65	.89	1.00	1.00	23.8	7.0	1.91	.93	1.00	1.00
67°F (19°C)	800	380	28.6	8.4	1.22	.61	.75	.88	27.0	7.9	1.42	.63	.77	.91	25.4	7.4	1.65	.64	.79	.94	23.6	6.9	1.91	.66	.82	.98
	900	425	29.4	8.6	1.23	.63	.78	.92	27.8	8.1	1.43	.64	.80	.95	26.0	7.6	1.65	.66	.83	.99	24.2	7.1	1.92	.68	.86	1.00
	1000	470	30.0	8.8	1.24	.65	.81	.96	28.4	8.3	1.43	.66	.83	.99	26.6	7.8	1.66	.68	.86	1.00	24.8	7.3	1.92	.71	.90	1.00
71°F (22°C)	800	380	30.4	8.9	1.24	.47	.60	.72	28.8	8.4	1.43	.47	.61	.74	27.2	8.0	1.66	.48	.62	.76	25.4	7.4	1.92	.49	.64	.79
	900	425	31.4	9.2	1.24	.47	.61	.75	29.6	8.7	1.44	.48	.63	.77	27.8	8.1	1.67	.49	.65	.80	26.0	7.6	1.93	.50	.67	.83
	1000	470	32.0	9.4	1.25	.48	.63	.78	30.4	8.9	1.45	.49	.65	.80	28.4	8.3	1.67	.50	.67	.83	26.6	7.8	1.93	.51	.69	.87

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [CH33-44/48B-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	35.0	10.3	2.23	.76	.90	1.00	33.0	9.7	2.49	.78	.92	1.00	30.8	9.0	2.80	.80	.96	1.00	28.6	8.4	3.14	.83	.99	1.00
	1200	565	36.4	10.7	2.24	.80	.95	1.00	34.2	10.0	2.51	.82	.98	1.00	32.0	9.4	2.81	.85	1.00	1.00	30.0	8.8	3.16	.89	1.00	1.00
	1400	660	37.6	11.0	2.26	.84	1.00	1.00	35.6	10.4	2.53	.87	1.00	1.00	33.6	9.8	2.83	.90	1.00	1.00	31.4	9.2	3.18	.94	1.00	1.00
67°F (19°C)	1000	470	37.2	10.9	2.25	.60	.73	.86	35.2	10.3	2.52	.61	.75	.89	33.0	9.7	2.82	.63	.77	.92	30.4	8.9	3.17	.65	.81	.96
	1200	565	38.5	11.3	2.27	.63	.77	.92	36.6	10.7	2.54	.64	.80	.95	34.2	10.0	2.84	.66	.83	.98	31.6	9.3	3.18	.68	.86	1.00
	1400	660	40.0	11.7	2.28	.65	.81	.97	37.6	11.0	2.55	.67	.84	1.00	35.0	10.3	2.85	.69	.87	1.00	32.4	9.5	3.19	.72	.92	1.00
71°F (22°C)	1000	470	39.5	11.6	2.28	.46	.59	.71	37.2	10.9	2.55	.47	.60	.73	35.0	10.3	2.85	.47	.61	.75	32.4	9.5	3.20	.48	.63	.78
	1200	565	41.0	12.0	2.29	.48	.61	.75	39.0	11.4	2.56	.48	.63	.77	36.2	10.6	2.87	.49	.65	.80	33.6	9.8	3.21	.50	.67	.83
	1400	660	42.5	12.5	2.31	.49	.64	.79	40.0	11.7	2.58	.49	.66	.82	37.2	10.9	2.88	.50	.68	.85	34.4	10.1	3.23	.52	.70	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CH33-44/48B-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.1	8.5	1.79	27.1	7.9	1.73	25.0	7.3	1.68	23.0	6.7	1.63
900	425	29.7	8.7	1.72	27.6	8.1	1.66	25.5	7.5	1.61	23.5	6.9	1.56
1000	470	30.1	8.8	1.65	28.1	8.2	1.60	26.0	7.6	1.54	24.0	7.0	1.49

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CH33-44/48B-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.0	11.4	2.65	29.8	8.7	2.41	20.1	5.9	2.16	14.1	4.1	1.92	6.8	2.0	1.44
1200	565	39.9	11.7	2.54	30.7	9.0	2.30	21.0	6.2	2.05	15.0	4.4	1.81	7.7	2.3	1.33
1400	660	40.6	11.9	2.45	31.4	9.2	2.21	21.7	6.4	1.97	15.7	4.6	1.72	8.4	2.5	1.24

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CH33-44/48B-2F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.54	39.9	11.7
60	16	2.48	37.8	11.1
55	13	2.43	35.7	10.5
50	10	2.37	33.6	9.8
47	8	2.34	32.3	9.5
45	7	2.30	30.7	9.0
40	4	2.20	26.6	7.8
35	2	2.11	22.5	6.6
30	-1	2.08	21.7	6.4
25	-4	2.05	21.0	6.2
20	-7	2.02	20.2	5.9
17	-8	2.01	19.8	5.8
15	-9	1.98	18.9	5.5
10	-12	1.93	16.8	4.9
5	-15	1.81	15.0	4.4
0	-18	1.69	13.2	3.9
-5	-21	1.57	11.4	3.3
-10	-23	1.45	9.6	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CH33-48C-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.8	7.9	1.21	.78	.92	1.00	25.2	7.4	1.41	.80	.95	1.00	23.8	7.0	1.64	.82	.98	1.00	22.2	6.5	1.90	.85	1.00	1.00
	900	425	27.6	8.1	1.22	.81	.96	1.00	26.0	7.6	1.41	.83	.99	1.00	24.6	7.2	1.64	.86	1.00	1.00	23.2	6.8	1.91	.89	1.00	1.00
	1000	470	28.2	8.3	1.22	.83	.99	1.00	26.8	7.9	1.42	.86	1.00	1.00	25.4	7.4	1.65	.89	1.00	1.00	24.0	7.0	1.91	.93	1.00	1.00
67°F (19°C)	800	380	28.6	8.4	1.22	.62	.75	.88	27.2	8.0	1.42	.63	.77	.91	25.4	7.4	1.65	.64	.79	.94	23.8	7.0	1.91	.66	.82	.98
	900	425	29.4	8.6	1.23	.63	.78	.92	27.8	8.1	1.43	.65	.80	.95	26.2	7.7	1.65	.66	.83	.98	24.4	7.2	1.92	.68	.86	1.00
	1000	470	30.2	8.9	1.24	.65	.81	.96	28.4	8.3	1.43	.67	.83	.98	26.8	7.9	1.66	.68	.86	1.00	24.8	7.3	1.92	.70	.90	1.00
71°F (22°C)	800	380	30.6	9.0	1.24	.47	.60	.72	29.0	8.5	1.44	.48	.61	.74	27.2	8.0	1.66	.48	.63	.76	25.4	7.4	1.92	.49	.64	.79
	900	425	31.4	9.2	1.24	.48	.62	.75	29.8	8.7	1.44	.49	.63	.77	28.0	8.2	1.67	.49	.65	.80	26.2	7.7	1.93	.50	.67	.83
	1000	470	32.0	9.4	1.25	.49	.64	.78	30.4	8.9	1.45	.50	.65	.80	28.6	8.4	1.67	.50	.67	.83	26.6	7.8	1.93	.51	.69	.86

SECOND STAGE COOLING CAPACITY - HSXA16-036 with [CH33-48C-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	35.2	10.3	2.23	.76	.89	1.00	33.2	9.7	2.50	.78	.92	1.00	31.0	9.1	2.80	.80	.95	1.00	28.6	8.4	3.14	.83	.99	1.00
	1200	565	36.6	10.7	2.24	.80	.95	1.00	34.4	10.1	2.51	.82	.98	1.00	32.2	9.4	2.81	.85	1.00	1.00	30.2	8.9	3.16	.89	1.00	1.00
	1400	660	37.8	11.1	2.26	.84	1.00	1.00	35.6	10.4	2.53	.87	1.00	1.00	33.6	9.8	2.83	.90	1.00	1.00	31.4	9.2	3.18	.94	1.00	1.00
67°F (19°C)	1000	470	37.4	11.0	2.25	.61	.73	.86	35.2	10.3	2.52	.62	.75	.88	33.0	9.7	2.83	.63	.77	.92	30.6	9.0	3.17	.65	.80	.95
	1200	565	39.0	11.4	2.27	.63	.77	.91	36.6	10.7	2.54	.64	.80	.94	34.2	10.0	2.84	.66	.82	.98	31.6	9.3	3.18	.68	.86	1.00
	1400	660	40.0	11.7	2.28	.66	.81	.97	37.6	11.0	2.55	.67	.84	.99	35.2	10.3	2.85	.69	.87	1.00	32.4	9.5	3.19	.72	.91	1.00
71°F (22°C)	1000	470	39.5	11.6	2.28	.47	.59	.71	37.4	11.0	2.55	.47	.60	.73	35.0	10.3	2.85	.48	.62	.75	32.6	9.6	3.19	.49	.63	.78
	1200	565	41.0	12.0	2.29	.48	.62	.75	39.0	11.4	2.57	.49	.63	.77	36.4	10.7	2.87	.49	.65	.80	33.6	9.8	3.21	.50	.67	.83
	1400	660	42.5	12.5	2.31	.49	.64	.79	40.0	11.7	2.58	.50	.66	.82	37.4	11.0	2.88	.51	.68	.85	34.6	10.1	3.23	.52	.71	.89

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CH33-48C-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.1	8.5	1.79	27.1	7.9	1.73	25.0	7.3	1.68	23.0	6.7	1.63
900	425	29.7	8.7	1.72	27.6	8.1	1.66	25.5	7.5	1.61	23.5	6.9	1.56
1000	470	30.1	8.8	1.65	28.1	8.2	1.60	26.0	7.6	1.54	24.0	7.0	1.49

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CH33-48C-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.0	11.4	2.65	29.8	8.7	2.41	20.1	5.9	2.16	14.1	4.1	1.92	6.8	2.0	1.44
1200	565	39.9	11.7	2.54	30.7	9.0	2.30	21.0	6.2	2.05	15.0	4.4	1.81	7.7	2.3	1.33
1400	660	40.6	11.9	2.45	31.4	9.2	2.21	21.7	6.4	1.97	15.7	4.6	1.72	8.4	2.5	1.24

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
HPXA16-036 with [CH33-48C-2F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.54	39.9	11.7
60	16	2.48	37.8	11.1
55	13	2.43	35.7	10.5
50	10	2.37	33.6	9.8
47	8	2.34	32.3	9.5
45	7	2.30	30.7	9.0
40	4	2.20	26.6	7.8
35	2	2.11	22.5	6.6
30	-1	2.08	21.7	6.4
25	-4	2.05	21.0	6.2
20	-7	2.02	20.2	5.9
17	-8	2.01	19.8	5.8
15	-9	1.98	18.9	5.5
10	-12	1.93	16.8	4.9
5	-15	1.81	15.0	4.4
0	-18	1.69	13.2	3.9
-5	-21	1.57	11.4	3.3
-10	-23	1.45	9.6	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CH33-44/48B-2F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	705	335	25.8	7.6	1.21	.75	.88	1.00	24.4	7.2	1.40	.76	.90	1.00	23.0	6.7	1.63	.78	.93	1.00	21.4	6.3	1.90	.81	.97	1.00
	820	385	26.8	7.9	1.21	.78	.92	1.00	25.2	7.4	1.41	.80	.95	1.00	23.8	7.0	1.64	.82	.98	1.00	22.2	6.5	1.90	.85	1.00	1.00
	915	430	27.6	8.1	1.22	.80	.96	1.00	26.0	7.6	1.41	.83	.99	1.00	24.6	7.2	1.64	.85	1.00	1.00	23.2	6.8	1.91	.89	1.00	1.00
67°F (19°C)	705	335	27.6	8.1	1.22	.59	.72	.84	26.2	7.7	1.42	.60	.74	.86	24.6	7.2	1.64	.61	.75	.89	23.0	6.7	1.91	.63	.78	.93
	820	385	28.8	8.4	1.23	.61	.75	.88	27.2	8.0	1.42	.62	.77	.91	25.6	7.5	1.65	.64	.79	.94	23.8	7.0	1.91	.65	.82	.98
	915	430	29.4	8.6	1.23	.63	.78	.92	27.8	8.1	1.43	.64	.80	.95	26.2	7.7	1.65	.66	.82	.98	24.4	7.2	1.92	.68	.86	1.00
71°F (22°C)	705	335	29.4	8.6	1.23	.46	.58	.69	28.0	8.2	1.43	.46	.59	.71	26.4	7.7	1.65	.47	.60	.73	24.6	7.2	1.92	.47	.61	.75
	820	385	30.6	9.0	1.24	.47	.60	.72	29.0	8.5	1.44	.47	.61	.74	27.2	8.0	1.66	.48	.62	.76	25.4	7.4	1.92	.48	.64	.79
	915	430	31.4	9.2	1.24	.47	.61	.75	29.8	8.7	1.44	.48	.63	.77	28.0	8.2	1.67	.49	.64	.79	26.2	7.7	1.93	.49	.66	.82

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CH33-44/48B-2F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1010	475	35.0	10.3	2.23	.76	.89	1.00	33.0	9.7	2.49	.77	.92	1.00	30.8	9.0	2.80	.80	.95	1.00	28.4	8.3	3.14	.83	.99	1.00
	1175	555	36.0	10.6	2.24	.79	.94	1.00	34.0	10.0	2.51	.81	.97	1.00	31.8	9.3	2.81	.84	1.00	1.00	29.6	8.7	3.15	.87	1.00	1.00
	1300	615	36.8	10.8	2.25	.81	.97	1.00	34.6	10.1	2.52	.84	1.00	1.00	32.6	9.6	2.82	.87	1.00	1.00	30.6	9.0	3.17	.91	1.00	1.00
67°F (19°C)	1010	475	37.2	10.9	2.25	.60	.73	.86	35.2	10.3	2.52	.61	.75	.88	33.0	9.7	2.82	.62	.77	.92	30.4	8.9	3.17	.64	.80	.96
	1175	555	38.5	11.3	2.27	.62	.76	.90	36.2	10.6	2.53	.63	.78	.93	34.0	10.0	2.84	.65	.81	.97	31.4	9.2	3.18	.67	.85	1.00
	1300	615	39.5	11.6	2.27	.63	.79	.94	37.0	10.8	2.54	.65	.81	.97	34.4	10.1	2.84	.67	.84	1.00	31.8	9.3	3.19	.69	.88	1.00
71°F (22°C)	1010	475	39.5	11.6	2.28	.46	.58	.70	37.2	10.9	2.55	.46	.59	.72	35.0	10.3	2.85	.47	.61	.75	32.4	9.5	3.19	.48	.63	.77
	1175	555	40.5	11.9	2.29	.47	.60	.74	38.5	11.3	2.56	.47	.62	.76	36.0	10.6	2.86	.48	.63	.79	33.4	9.8	3.21	.49	.66	.82
	1300	615	41.5	12.2	2.30	.47	.62	.76	39.0	11.4	2.57	.48	.63	.79	36.6	10.7	2.87	.49	.65	.82	34.0	10.0	3.22	.50	.68	.85

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CH33-44/48B-2F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
705	335	28.2	8.3	1.85	26.2	7.7	1.79	24.2	7.1	1.73	22.2	6.5	1.68
820	385	28.9	8.5	1.73	26.9	7.9	1.67	24.9	7.3	1.62	22.9	6.7	1.56
915	430	29.5	8.6	1.67	27.5	8.1	1.61	25.4	7.4	1.55	23.4	6.9	1.49

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CH33-44/48B-2F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1010	475	39.0	11.4	2.58	29.8	8.7	2.35	20.0	5.9	2.10	14.0	4.1	1.87	7.0	2.1	1.39
1175	555	39.6	11.6	2.49	30.4	8.9	2.26	20.6	6.0	2.01	14.6	4.3	1.78	7.6	2.2	1.30
1300	615	40.0	11.7	2.44	30.8	9.0	2.20	21.0	6.2	1.96	15.0	4.4	1.72	8.0	2.3	1.25

HEATING PERFORMANCE at 1175 cfm (555 L/s) Indoor Coil Air Volume
HPXA16-036 with [CH33-44/48B-2F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	39.6	11.6
60	16	2.44	37.5	11.0
55	13	2.38	35.4	10.4
50	10	2.33	33.3	9.8
47	8	2.30	32.0	9.4
45	7	2.26	30.4	8.9
40	4	2.16	26.3	7.7
35	2	2.07	22.2	6.5
30	-1	2.04	21.4	6.3
25	-4	2.01	20.6	6.0
20	-7	1.99	19.8	5.8
17	-8	1.97	19.3	5.7
15	-9	1.95	18.5	5.4
10	-12	1.89	16.4	4.8
5	-15	1.78	14.6	4.3
0	-18	1.66	12.8	3.8
-5	-21	1.54	11.1	3.3
-10	-23	1.42	9.3	2.7
-15	-26	1.30	7.6	2.2
-20	-29	1.18	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CH33-44/48B-2F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	595	280	24.6	7.2	1.20	.72	.84	.96	23.2	6.8	1.40	.73	.86	.98	21.8	6.4	1.62	.75	.88	1.00	20.4	6.0	1.89	.77	.91	1.00
	750	355	26.2	7.7	1.21	.75	.89	1.00	24.8	7.3	1.41	.77	.92	1.00	23.2	6.8	1.63	.79	.95	1.00	21.6	6.3	1.90	.82	.99	1.00
	900	425	27.4	8.0	1.22	.80	.95	1.00	25.8	7.6	1.41	.82	.98	1.00	24.4	7.2	1.64	.85	1.00	1.00	23.0	6.7	1.91	.88	1.00	1.00
67°F (19°C)	595	280	26.2	7.7	1.21	.57	.69	.80	25.0	7.3	1.41	.58	.70	.82	23.6	6.9	1.63	.59	.72	.84	22.0	6.4	1.90	.60	.74	.87
	750	355	28.0	8.2	1.22	.59	.73	.85	26.6	7.8	1.42	.60	.74	.88	25.0	7.3	1.64	.62	.76	.91	23.4	6.9	1.91	.63	.79	.95
	900	425	29.4	8.6	1.23	.62	.77	.91	27.8	8.1	1.43	.64	.79	.94	26.0	7.6	1.65	.65	.82	.98	24.2	7.1	1.92	.67	.85	1.00
71°F (22°C)	595	280	28.0	8.2	1.22	.45	.55	.66	26.6	7.8	1.42	.45	.56	.67	25.2	7.4	1.64	.45	.57	.69	23.6	6.9	1.91	.46	.58	.71
	750	355	29.8	8.7	1.23	.45	.58	.70	28.4	8.3	1.43	.46	.59	.71	26.6	7.8	1.66	.46	.60	.74	25.0	7.3	1.92	.47	.62	.76
	900	425	31.2	9.1	1.24	.47	.61	.74	29.6	8.7	1.44	.47	.62	.76	27.8	8.1	1.67	.48	.64	.79	26.0	7.6	1.93	.49	.66	.82

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CH33-44/48B-2F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	975	460	34.6	10.1	2.22	.75	.88	1.00	32.6	9.6	2.49	.77	.91	1.00	30.6	9.0	2.79	.79	.94	1.00	28.2	8.3	3.13	.82	.98	1.00
	1185	560	36.2	10.6	2.24	.79	.94	1.00	34.0	10.0	2.51	.81	.98	1.00	31.8	9.3	2.81	.84	1.00	1.00	29.8	8.7	3.16	.88	1.00	1.00
	1435	675	37.8	11.1	2.26	.85	1.00	1.00	35.8	10.5	2.53	.88	1.00	1.00	33.8	9.9	2.83	.91	1.00	1.00	31.6	9.3	3.18	.95	1.00	1.00
67°F (19°C)	975	460	37.0	10.8	2.25	.59	.72	.85	34.8	10.2	2.52	.60	.74	.87	32.6	9.6	2.82	.62	.76	.90	30.2	8.9	3.16	.64	.79	.94
	1185	560	38.5	11.3	2.27	.62	.77	.91	36.4	10.7	2.54	.64	.79	.94	34.0	10.0	2.84	.65	.82	.98	31.4	9.2	3.18	.67	.85	1.00
	1435	675	40.0	11.7	2.28	.66	.82	.98	37.6	11.0	2.55	.68	.85	1.00	35.2	10.3	2.85	.70	.88	1.00	32.4	9.5	3.20	.72	.93	1.00
71°F (22°C)	975	460	39.0	11.4	2.27	.45	.58	.69	37.0	10.8	2.54	.46	.59	.71	34.6	10.1	2.85	.47	.60	.74	32.2	9.4	3.19	.47	.62	.76
	1185	560	41.0	12.0	2.29	.47	.61	.74	38.5	11.3	2.56	.48	.62	.76	36.0	10.6	2.87	.48	.64	.79	33.4	9.8	3.21	.49	.66	.83
	1435	675	42.5	12.5	2.31	.49	.64	.80	40.0	11.7	2.58	.50	.66	.83	37.4	11.0	2.89	.51	.68	.86	34.6	10.1	3.23	.52	.71	.90

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CH33-44/48B-2F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
595	280	27.4	8.0	1.99	25.5	7.5	1.93	23.5	6.9	1.87	21.5	6.3	1.80
750	355	28.4	8.3	1.80	26.4	7.7	1.74	24.5	7.2	1.67	22.5	6.6	1.61
900	425	29.4	8.6	1.68	27.4	8.0	1.62	25.4	7.4	1.56	23.4	6.9	1.49

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CH33-44/48B-2F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
975	460	38.8	11.4	2.60	29.6	8.7	2.37	19.8	5.8	2.13	13.8	4.0	1.89	6.6	1.9	1.42
1185	560	39.8	11.7	2.49	30.6	9.0	2.26	20.8	6.1	2.02	14.8	4.3	1.78	7.6	2.2	1.30
1435	680	41.0	12.0	2.39	31.8	9.3	2.16	22.0	6.4	1.92	16.0	4.7	1.68	8.8	2.6	1.21

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume
HPXA16-036 with [CH33-44/48B-2F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	39.8	11.7
60	16	2.44	37.7	11.0
55	13	2.38	35.6	10.4
50	10	2.33	33.5	9.8
47	8	2.30	32.2	9.4
45	7	2.26	30.6	9.0
40	4	2.16	26.5	7.8
35	2	2.07	22.4	6.6
30	-1	2.04	21.6	6.3
25	-4	2.02	20.8	6.1
20	-7	1.99	20.0	5.9
17	-8	1.97	19.5	5.7
15	-9	1.95	18.7	5.5
10	-12	1.90	16.6	4.9
5	-15	1.78	14.8	4.3
0	-18	1.66	13.0	3.8
-5	-21	1.54	11.2	3.3
-10	-23	1.42	9.4	2.8
-15	-26	1.30	7.6	2.2
-20	-29	1.18	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-036 with [CH33-48C-2F + G61MPV-36C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	595	280	24.6	7.2	1.20	.72	.84	.96	23.2	6.8	1.40	.73	.86	.98	22.0	6.4	1.62	.75	.88	1.00	20.4	6.0	1.89	.77	.91	1.00
	750	355	26.2	7.7	1.21	.76	.89	1.00	24.8	7.3	1.41	.77	.92	1.00	23.2	6.8	1.63	.79	.95	1.00	21.6	6.3	1.90	.82	.99	1.00
	900	425	27.4	8.0	1.22	.80	.95	1.00	26.0	7.6	1.41	.82	.98		24.4	7.2	1.64	.85	1.00	1.00	23.0	6.7	1.91	.88	1.00	1.00
67°F (19°C)	595	280	26.2	7.7	1.21	.58	.69	.80	25.0	7.3	1.41	.59	.70	.82	23.6	6.9	1.63	.59	.72	.84	22.0	6.4	1.90	.60	.74	.87
	750	355	28.0	8.2	1.22	.60	.73	.86	26.6	7.8	1.42	.61	.75	.88	25.0	7.3	1.64	.62	.77	.91	23.2	6.8	1.91	.63	.79	.94
	900	425	29.4	8.6	1.23	.63	.77	.91	27.8	8.1	1.43	.64	.79	.94	26.0	7.6	1.65	.66	.82	.98	24.2	7.1	1.92	.67	.85	1.00
71°F (22°C)	595	280	28.0	8.2	1.22	.45	.56	.66	26.6	7.8	1.42	.45	.57	.68	25.2	7.4	1.64	.46	.58	.69	23.6	6.9	1.91	.46	.59	.71
	750	355	29.8	8.7	1.23	.46	.58	.70	28.4	8.3	1.43	.46	.59	.72	26.6	7.8	1.66	.47	.60	.74	25.0	7.3	1.92	.47	.62	.76
	900	425	31.2	9.1	1.24	.47	.61	.75	29.6	8.7	1.44	.48	.62	.76	27.8	8.1	1.66	.48	.64	.79	26.0	7.6	1.93	.49	.66	.82

SECOND STAGE COOLING CAPACITY - HPXA16-036 with [CH33-48C-2F + G61MPV-36C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	975	460	34.8	10.2	2.23	.75	.88	1.00	32.8	9.6	2.49	.77	.91	1.00	30.6	9.0	2.80	.79	.94	1.00	28.4	8.3	3.14	.82	.98	1.00
	1185	560	36.4	10.7	2.24	.79	.94	1.00	34.2	10.0	2.51	.81	.97	1.00	32.0	9.4	2.81	.84	1.00	1.00	30.0	8.8	3.16	.88	1.00	1.00
	1435	675	37.8	11.1	2.26	.85	1.00	1.00	36.0	10.6	2.53	.87	1.00	1.00	33.8	9.9	2.83	.91	1.00	1.00	31.8	9.3	3.18	.95	1.00	1.00
67°F (19°C)	975	460	37.0	10.8	2.25	.60	.72	.85	35.0	10.3	2.52	.61	.74	.87	32.8	9.6	2.82	.62	.76	.90	30.4	8.9	3.16	.64	.79	.94
	1185	560	38.5	11.3	2.27	.62	.77	.91	36.4	10.7	2.54	.64	.79	.94	34.2	10.0	2.84	.65	.82	.97	31.4	9.2	3.18	.67	.85	1.00
	1435	675	40.0	11.7	2.29	.66	.82	.97	37.8	11.1	2.55	.68	.85	1.00	35.2	10.3	2.85	.70	.88		32.6	9.6	3.20	.72	.92	1.00
71°F (22°C)	975	460	39.0	11.4	2.27	.46	.58	.70	37.0	10.8	2.55	.47	.59	.72	34.8	10.2	2.85	.47	.61	.74	32.2	9.4	3.19	.48	.62	.76
	1185	560	41.0	12.0	2.29	.48	.61	.74	38.5	11.3	2.56	.48	.62	.76	36.2	10.6	2.87	.49	.64	.79	33.6	9.8	3.21	.50	.66	.83
	1435	675	42.5	12.5	2.31	.49	.65	.80	40.0	11.7	2.58	.50	.66	.82	37.6	11.0	2.89	.51	.69	.86	34.6	10.1	3.23	.52	.71	.90

FIRST STAGE HEATING CAPACITY - HPXA16-036 with [CH33-48C-2F + G61MPV-36C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
595	280	27.3	8.0	2.02	25.3	7.4	1.95	23.4	6.9	1.88	21.5	6.3	1.81
750	355	28.1	8.2	1.85	26.2	7.7	1.78	24.2	7.1	1.71	22.3	6.5	1.64
900	425	29.2	8.6	1.72	27.3	8.0	1.65	25.3	7.4	1.58	23.4	6.9	1.51

SECOND STAGE HEATING CAPACITY - HPXA16-036 with [CH33-48C-2F + G61MPV-36C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
975	460	38.5	11.3	2.66	29.3	8.6	2.42	19.7	5.8	2.17	13.7	4.0	1.93	6.6	1.9	1.44
1185	560	39.5	11.6	2.54	30.3	8.9	2.30	20.7	6.1	2.05	14.7	4.3	1.81	7.6	2.2	1.32
1435	680	40.7	11.9	2.44	31.5	9.2	2.20	21.9	6.4	1.95	15.9	4.7	1.71	8.8	2.6	1.22

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume
HPXA16-036 with [CH33-48C-2F + G61MPV-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.54	39.5	11.6
60	16	2.48	37.4	11.0
55	13	2.43	35.3	10.3
50	10	2.37	33.2	9.7
47	8	2.34	32.0	9.4
45	7	2.30	30.3	8.9
40	4	2.20	26.3	7.7
35	2	2.11	22.2	6.5
30	-1	2.08	21.4	6.3
25	-4	2.05	20.7	6.1
20	-7	2.02	19.9	5.8
17	-8	2.00	19.4	5.7
15	-9	1.98	18.6	5.5
10	-12	1.93	16.5	4.8
5	-15	1.81	14.7	4.3
0	-18	1.69	12.9	3.8
-5	-21	1.57	11.2	3.3
-10	-23	1.44	9.4	2.8
-15	-26	1.32	7.6	2.2
-20	-29	1.20	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CBX32MV-036] [CB31MV-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	965	455	33.4	9.8	1.59	.75	.89	1.00	31.8	9.3	1.84	.77	.92	1.00	29.8	8.7	2.11	.79	.94	1.00	28.0	8.2	2.43	.81	.98	1.00
(17°C)	1080	510	34.2	10.0	1.58	.77	.93	1.00	32.6	9.6	1.83	.79	.95	1.00	30.6	9.0	2.11	.82	.98	1.00	28.8	8.4	2.43	.84	1.00	1.00
67°F	965	455	35.8	10.5	1.58	.59	.72	.85	34.0	10.0	1.83	.60	.74	.87	32.0	9.4	2.10	.61	.76	.90	30.0	8.8	2.42	.62	.78	.94
(19°C)	1080	510	36.6	10.7	1.58	.60	.75	.89	34.8	10.2	1.82	.61	.76	.91	33.0	9.7	2.10	.63	.79	.94	30.8	9.0	2.41	.64	.81	.97
71°F	965	455	38.0	11.1	1.58	.45	.57	.69	36.2	10.6	1.82	.45	.58	.71	34.2	10.0	2.09	.45	.59	.73	32.2	9.4	2.40	.46	.61	.75
(22°C)	1080	510	39.0	11.4	1.57	.45	.59	.72	37.2	10.9	1.81	.45	.60	.74	35.2	10.3	2.09	.46	.61	.76	33.0	9.7	2.39	.47	.63	.78

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CBX32MV-036] [CB31MV-41]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1380	650	44.5	13.0	2.86	.77	.91	1.00	42.0	12.3	3.21	.78	.94	1.00	39.5	11.6	3.60	.81	.97	1.00	37.0	10.8	4.03	.84	1.00	1.00
(17°C)	1545	730	45.5	13.3	2.87	.79	.95	1.00	43.0	12.6	3.22	.81	.97	1.00	40.5	11.9	3.61	.84	1.00	1.00	38.0	11.1	4.04	.87	1.00	1.00
67°F	1380	650	47.5	13.9	2.89	.60	.74	.88	45.0	13.2	3.24	.61	.76	.90	42.5	12.5	3.63	.62	.78	.93	39.5	11.6	4.06	.64	.81	.97
(19°C)	1545	730	48.5	14.2	2.91	.62	.77	.91	46.0	13.5	3.26	.63	.79	.94	43.0	12.6	3.65	.64	.81	.97	40.0	11.7	4.08	.66	.84	1.00
71°F	1380	650	50.0	14.7	2.92	.45	.58	.71	47.5	13.9	3.28	.45	.60	.73	45.0	13.2	3.67	.46	.61	.75	42.0	12.3	4.10	.47	.63	.78
(22°C)	1545	730	51.5	15.1	2.94	.46	.60	.74	48.5	14.2	3.29	.46	.61	.76	46.0	13.5	3.68	.47	.63	.78	43.0	12.6	4.12	.48	.65	.82

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CBX32MV-036] [CB31MV-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
965	455	38.1	11.2	2.30	35.4	10.4	2.27	32.7	9.6	2.24	30.0	8.8	2.20
1080	510	38.8	11.4	2.18	36.1	10.6	2.15	33.4	9.8	2.11	30.7	9.0	2.08

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CBX32MV-036] [CB31MV-41]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1380	650	54.2	15.9	3.25	40.9	12.0	2.96	26.8	7.9	2.65	18.7	5.5	2.35	9.4	2.8	1.74
1545	730	55.0	16.1	3.17	41.7	12.2	2.87	27.6	8.1	2.57	19.5	5.7	2.26	10.2	3.0	1.66

HEATING PERFORMANCE at 1545 cfm (730 L/s) Indoor Coil Air Volume
HPXA16-048 with [CBX32MV-036] [CB31MV-41]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.17	55.0	16.1
60	16	3.10	52.0	15.2
55	13	3.03	49.0	14.4
50	10	2.96	46.0	13.5
47	8	2.92	44.2	13.0
45	7	2.87	41.7	12.2
40	4	2.76	35.6	10.4
35	2	2.64	29.5	8.6
30	-1	2.60	28.6	8.4
25	-4	2.57	27.6	8.1
20	-7	2.53	26.6	7.8
17	-8	2.51	26.1	7.6
15	-9	2.48	24.9	7.3
10	-12	2.41	21.8	6.4
5	-15	2.26	19.5	5.7
0	-18	2.11	17.2	5.0
-5	-21	1.96	14.8	4.3
-10	-23	1.81	12.5	3.7
-15	-26	1.66	10.2	3.0
-20	-29	1.51	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CBX32MV-048] [CB31MV-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1090	515	35.4	10.4	1.58	.78	.93	1.00	33.6	9.8	1.83	.80	.95	1.00	31.8	9.3	2.10	.82	.98	1.00	29.8	8.7	2.42	.84	1.00	1.00
	1140	540	35.8	10.5	1.58	.79	.94	1.00	34.0	10.0	1.82	.81	.97	1.00	32.2	9.4	2.10	.83	.99	1.00	30.4	8.9	2.41	.86	1.00	1.00
	1205	570	36.2	10.6	1.58	.80	.96	1.00	34.4	10.1	1.82	.82	.98	1.00	32.6	9.6	2.10	.85	1.00	1.00	30.8	9.0	2.41	.88	1.00	1.00
67°F (19°C)	1090	515	38.0	11.1	1.58	.61	.75	.89	36.0	10.6	1.82	.62	.77	.91	34.0	10.0	2.09	.63	.79	.94	32.0	9.4	2.40	.64	.81	.97
	1140	540	38.5	11.3	1.58	.61	.76	.90	36.4	10.7	1.82	.62	.78	.93	34.4	10.1	2.09	.64	.80	.96	32.2	9.4	2.40	.65	.83	.99
	1205	570	39.0	11.4	1.57	.62	.77	.92	37.0	10.8	1.81	.63	.79	.95	34.8	10.2	2.09	.65	.82	.98	32.6	9.6	2.40	.66	.85	1.00
71°F (22°C)	1090	515	40.5	11.9	1.57	.45	.59	.72	38.5	11.3	1.81	.46	.60	.74	36.4	10.7	2.08	.46	.61	.76	34.2	10.0	2.39	.47	.63	.78
	1140	540	41.0	12.0	1.57	.46	.60	.73	39.0	11.4	1.81	.46	.61	.75	36.8	10.8	2.08	.46	.62	.77	34.6	10.1	2.38	.47	.64	.80
	1205	570	41.5	12.2	1.57	.46	.61	.75	39.5	11.6	1.81	.46	.62	.77	37.2	10.9	2.07	.47	.63	.79	35.0	10.3	2.38	.47	.65	.82

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CBX32MV-048] [CB31MV-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1555	735	47.5	13.9	2.90	.79	.95	1.00	45.0	13.2	3.25	.81	.97	1.00	42.5	12.5	3.63	.84	1.00	1.00	40.0	11.7	4.07	.87	1.00	1.00
	1625	765	48.0	14.1	2.90	.80	.96	1.00	45.5	13.3	3.25	.82	.99	1.00	43.0	12.6	3.64	.85	1.00	1.00	40.5	11.9	4.08	.88	1.00	1.00
	1725	815	49.0	14.4	2.91	.82	.98	1.00	46.0	13.5	3.26	.84	1.00	1.00	44.0	12.9	3.65	.87	1.00	1.00	41.0	12.0	4.09	.90	1.00	1.00
67°F (19°C)	1555	735	51.0	14.9	2.93	.62	.77	.91	48.0	14.1	3.28	.63	.79	.94	45.5	13.3	3.67	.64	.81	.97	42.5	12.5	4.11	.66	.84	1.00
	1625	765	51.5	15.1	2.94	.62	.78	.93	48.5	14.2	3.29	.64	.80	.96	45.5	13.3	3.68	.65	.82	.98	42.5	12.5	4.11	.67	.86	1.00
	1725	815	52.0	15.2	2.94	.63	.79	.95	49.0	14.4	3.30	.65	.82	.97	46.0	13.5	3.68	.66	.84	1.00	43.0	12.6	4.12	.68	.88	1.00
71°F (22°C)	1555	735	54.0	15.8	2.97	.46	.60	.74	51.0	14.9	3.32	.46	.62	.76	48.0	14.1	3.71	.47	.63	.79	45.0	13.2	4.15	.47	.65	.81
	1625	765	54.5	16.0	2.97	.46	.61	.75	51.5	15.1	3.33	.47	.62	.77	48.5	14.2	3.72	.47	.64	.80	45.5	13.3	4.16	.48	.66	.83
	1725	815	55.0	16.1	2.98	.47	.62	.77	52.0	15.2	3.33	.47	.63	.79	49.0	14.4	3.73	.48	.65	.82	46.0	13.5	4.17	.48	.67	.85

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CBX32MV-048] [CB31MV-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1090	515	39.0	11.4	2.12	36.3	10.6	2.10	33.5	9.8	2.07	30.8	9.0	2.05
1140	540	39.3	11.5	2.09	36.5	10.7	2.07	33.8	9.9	2.04	31.0	9.1	2.01
1205	570	39.6	11.6	2.05	36.9	10.8	2.03	34.1	10.0	2.00	31.4	9.2	1.98

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CBX32MV-048] [CB31MV-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1560	735	55.3	16.2	3.09	41.7	12.2	2.82	27.3	8.0	2.54	19.0	5.6	2.26	9.8	2.9	1.66
1625	765	55.6	16.3	3.06	42.0	12.3	2.79	27.6	8.1	2.51	19.3	5.7	2.23	10.1	3.0	1.63
1720	810	56.0	16.4	3.03	42.4	12.4	2.76	28.0	8.2	2.47	19.7	5.8	2.19	10.5	3.1	1.59

HEATING PERFORMANCE at 1625 cfm (765 L/s) Indoor Coil Air Volume
HPXA16-048 with [CBX32MV-048] [CB31MV-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.06	55.6	16.3
60	16	3.00	52.5	15.4
55	13	2.94	49.4	14.5
50	10	2.87	46.3	13.6
47	8	2.84	44.5	13.0
45	7	2.79	42.0	12.3
40	4	2.68	35.8	10.5
35	2	2.57	29.6	8.7
30	-1	2.54	28.6	8.4
25	-4	2.51	27.6	8.1
20	-7	2.48	26.6	7.8
17	-8	2.46	26.0	7.6
15	-9	2.44	24.7	7.2
10	-12	2.37	21.6	6.3
5	-15	2.23	19.3	5.7
0	-18	2.08	17.0	5.0
-5	-21	1.93	14.7	4.3
-10	-23	1.78	12.4	3.6
-15	-26	1.63	10.1	3.0
-20	-29	1.48	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CBX32MV-060] [CB31MV-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1090	515	35.6	10.4	1.58	.78	.92	1.00	33.8	9.9	1.83	.79	.95	1.00	31.8	9.3	2.10	.82	.98	1.00	30.0	8.8	2.42	.84	1.00	1.00
	1140	540	36.0	10.6	1.58	.79	.94	1.00	34.0	10.0	1.82	.80	.96	1.00	32.2	9.4	2.10	.83	.99	1.00	30.4	8.9	2.41	.86	1.00	1.00
	1205	570	36.4	10.7	1.58	.80	.95	1.00	34.6	10.1	1.82	.82	.98	1.00	32.8	9.6	2.10	.84	1.00	1.00	31.0	9.1	2.41	.87	1.00	1.00
67°F (19°C)	1090	515	37.8	11.1	1.58	.61	.75	.88	36.0	10.6	1.82	.62	.77	.91	34.0	10.0	2.09	.63	.79	.94	32.0	9.4	2.40	.64	.81	.97
	1140	540	38.5	11.3	1.57	.61	.76	.90	36.4	10.7	1.82	.62	.78	.92	34.4	10.1	2.09	.64	.80	.95	32.2	9.4	2.40	.65	.83	.98
	1205	570	38.5	11.3	1.57	.62	.77	.92	36.8	10.8	1.81	.63	.79	.94	34.8	10.2	2.09	.65	.81	.97	32.6	9.6	2.40	.66	.84	1.00
71°F (22°C)	1090	515	40.5	11.9	1.57	.46	.59	.72	38.5	11.3	1.81	.46	.60	.74	36.4	10.7	2.08	.47	.61	.76	34.2	10.0	2.39	.47	.63	.78
	1140	540	40.5	11.9	1.57	.46	.60	.73	39.0	11.4	1.81	.46	.61	.75	36.8	10.8	2.08	.47	.62	.77	34.6	10.1	2.38	.47	.64	.80
	1205	570	41.0	12.0	1.57	.46	.61	.74	39.5	11.6	1.81	.47	.62	.76	37.2	10.9	2.08	.47	.63	.79	35.0	10.3	2.38	.48	.65	.81

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CBX32MV-060] [CB31MV-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1555	735	48.0	14.1	2.90	.79	.94	1.00	45.5	13.3	3.25	.81	.97	1.00	43.0	12.6	3.64	.83	.99	1.00	40.0	11.7	4.08	.87	1.00	1.00
	1625	765	48.5	14.2	2.90	.80	.95	1.00	46.0	13.5	3.26	.82	.98	1.00	43.5	12.7	3.65	.85	1.00	1.00	41.0	12.0	4.09	.88	1.00	1.00
	1725	815	49.0	14.4	2.91	.82	.97	1.00	46.5	13.6	3.26	.84	.99	1.00	44.0	12.9	3.66	.86	1.00	1.00	41.5	12.2	4.10	.90	1.00	1.00
67°F (19°C)	1555	735	51.0	14.9	2.93	.62	.76	.91	48.5	14.2	3.28	.63	.78	.93	45.5	13.3	3.68	.64	.81	.96	42.5	12.5	4.11	.66	.84	.99
	1625	765	51.5	15.1	2.94	.62	.77	.92	49.0	14.4	3.29	.63	.79	.95	46.0	13.5	3.68	.65	.82	.97	43.0	12.6	4.12	.67	.85	1.00
	1725	815	52.0	15.2	2.94	.63	.79	.94	49.5	14.5	3.30	.64	.81	.97	46.5	13.6	3.69	.66	.84	.99	43.5	12.7	4.12	.68	.87	1.00
71°F (22°C)	1555	735	54.0	15.8	2.97	.46	.60	.74	51.5	15.1	3.32	.47	.61	.76	48.5	14.2	3.72	.47	.63	.78	45.0	13.2	4.15	.48	.65	.81
	1625	765	54.5	16.0	2.97	.46	.61	.75	52.0	15.2	3.33	.47	.62	.77	49.0	14.4	3.72	.47	.64	.79	45.5	13.3	4.16	.48	.66	.82
	1725	815	55.0	16.1	2.98	.47	.62	.76	52.5	15.4	3.34	.47	.63	.79	49.5	14.5	3.73	.48	.65	.81	46.0	13.5	4.17	.49	.67	.84

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CBX32MV-060] [CB31MV-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1090	515	38.9	11.4	2.14	36.2	10.6	2.12	33.5	9.8	2.09	30.7	9.0	2.07
1140	540	39.1	11.5	2.11	36.4	10.7	2.08	33.7	9.9	2.06	30.9	9.1	2.04
1205	570	39.6	11.6	2.05	36.9	10.8	2.03	34.1	10.0	2.00	31.4	9.2	1.98

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CBX32MV-060] [CB31MV-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1625	765	55.3	16.2	3.08	41.7	12.2	2.81	27.4	8.0	2.53	19.1	5.6	2.23	10.0	2.9	1.63
1720	810	56.0	16.4	3.03	42.4	12.4	2.76	28.1	8.2	2.47	19.8	5.8	2.18	10.7	3.1	1.58

HEATING PERFORMANCE at 1625 cfm (765 L/s) Indoor Coil Air Volume
HPXA16-048 with [CBX32MV-060] [CB31MV-65]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.08	55.3	16.2
60	16	3.02	52.2	15.3
55	13	2.95	49.1	14.4
50	10	2.89	46.0	13.5
47	8	2.85	44.2	13.0
45	7	2.81	41.7	12.2
40	4	2.71	35.6	10.4
35	2	2.60	29.5	8.6
30	-1	2.57	28.4	8.3
25	-4	2.53	27.4	8.0
20	-7	2.49	26.4	7.7
17	-8	2.47	25.7	7.5
15	-9	2.45	24.5	7.2
10	-12	2.38	21.4	6.3
5	-15	2.23	19.1	5.6
0	-18	2.08	16.9	5.0
-5	-21	1.93	14.6	4.3
-10	-23	1.78	12.3	3.6
-15	-26	1.63	10.0	2.9
-20	-29	1.48	7.7	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CBX32M-036] [CBX32M-042] [CB30M-41] [CB30M-46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	875	415	32.6	9.6	1.59	.73	.86	.99	31.0	9.1	1.84	.75	.89	1.00	29.2	8.6	2.12	.76	.91	1.00	27.2	8.0	2.44	.79	.95	1.00
(17°C)	1200	565	35.0	10.3	1.58	.80	.96	1.00	33.2	9.7	1.83	.82	.98	1.00	31.4	9.2	2.10	.84	1.00	1.00	29.6	8.7	2.42	.87	1.00	1.00
67°F	875	415	34.8	10.2	1.58	.58	.70	.83	33.0	9.7	1.83	.59	.72	.85	31.4	9.2	2.10	.60	.74	.87	29.4	8.6	2.42	.61	.76	.90
(19°C)	1200	565	37.6	11.0	1.58	.62	.77	.92	35.6	10.4	1.82	.63	.79	.95	33.6	9.8	2.09	.64	.81	.97	31.6	9.3	2.40	.66	.84	1.00
71°F	875	415	37.0	10.8	1.58	.44	.56	.68	35.2	10.3	1.82	.44	.57	.69	33.4	9.8	2.09	.45	.58	.71	31.4	9.2	2.41	.45	.59	.73
(22°C)	1200	565	40.0	11.7	1.57	.46	.60	.74	38.0	11.1	1.81	.46	.61	.76	36.0	10.6	2.08	.47	.63	.79	33.6	9.8	2.39	.47	.65	.81

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CBX32M-036] [CBX32M-042] [CB30M-41] [CB30M-46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1250	590	43.5	12.7	2.85	.75	.88	1.00	41.5	12.2	3.20	.76	.91	1.00	39.0	11.4	3.59	.78	.94	1.00	36.2	10.6	4.02	.81	.97	1.00
(17°C)	1500	710	45.5	13.3	2.87	.79	.94	1.00	43.0	12.6	3.22	.80	.96	1.00	40.5	11.9	3.61	.83	.99	1.00	37.6	11.0	4.04	.86	1.00	1.00
67°F	1250	590	46.5	13.6	2.88	.59	.72	.85	44.0	12.9	3.23	.60	.74	.87	41.5	12.2	3.62	.61	.76	.90	38.5	11.3	4.05	.62	.78	.94
(19°C)	1500	710	48.5	14.2	2.90	.61	.76	.90	45.5	13.3	3.25	.62	.78	.93	43.0	12.6	3.64	.64	.80	.96	40.0	11.7	4.07	.66	.83	.99
71°F	1250	590	49.0	14.4	2.91	.45	.57	.69	46.5	13.6	3.26	.45	.58	.71	44.0	12.9	3.65	.45	.59	.73	41.0	12.0	4.09	.46	.61	.75
(22°C)	1500	710	51.0	14.9	2.93	.46	.60	.73	48.5	14.2	3.29	.46	.61	.75	45.5	13.3	3.68	.47	.62	.78	42.5	12.5	4.11	.47	.64	.81

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CBX32M-036] [CBX32M-042] [CB30M-41] [CB30M-46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
875	415	38.2	11.2	2.37	35.4	10.4	2.34	32.7	9.6	2.31	30.0	8.8	2.29
1200	565	39.8	11.7	2.10	37.1	10.9	2.07	34.3	10.1	2.04	31.6	9.3	2.02

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CBX32M-036] [CBX32M-042] [CB30M-41] [CB30M-46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1250	590	53.9	15.8	3.35	40.6	11.9	3.04	26.5	7.8	2.72	18.4	5.4	2.41	9.2	2.7	1.81
1500	710	54.8	16.1	3.20	41.5	12.2	2.90	27.4	8.0	2.58	19.3	5.7	2.27	10.1	3.0	1.66

HEATING PERFORMANCE at 1500 cfm (710 L/s) Indoor Coil Air Volume
HPXA16-048 with [CBX32M-036] [CBX32M-042] [CB30M-41] [CB30M-46]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.20	54.8	16.1
60	16	3.13	51.8	15.2
55	13	3.06	48.8	14.3
50	10	2.99	45.8	13.4
47	8	2.95	44.0	12.9
45	7	2.90	41.5	12.2
40	4	2.78	35.5	10.4
35	2	2.65	29.4	8.6
30	-1	2.62	28.4	8.3
25	-4	2.58	27.4	8.0
20	-7	2.54	26.4	7.7
17	-8	2.52	25.9	7.6
15	-9	2.49	24.6	7.2
10	-12	2.42	21.6	6.3
5	-15	2.27	19.3	5.7
0	-18	2.12	17.0	5.0
-5	-21	1.97	14.7	4.3
-10	-23	1.81	12.4	3.6
-15	-26	1.66	10.1	3.0
-20	-29	1.51	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CBX32M-048] [CB30M-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.4	10.4	1.58	.78	.93	1.00	33.6	9.8	1.83	.80	.96	1.00	31.8	9.3	2.10	.82	.98	1.00	30.0	8.8	2.42	.85	1.00	1.00
	1200	565	36.2	10.6	1.58	.80	.96	1.00	34.4	10.1	1.82	.82	.98	1.00	32.6	9.6	2.10	.84	1.00	1.00	30.8	9.0	2.41	.87	1.00	1.00
	1300	615	37.0	10.8	1.58	.82	.98	1.00	35.2	10.3	1.82	.84	1.00	1.00	33.4	9.8	2.09	.87	1.00	1.00	31.6	9.3	2.40	.90	1.00	1.00
67°F (19°C)	1100	520	38.0	11.1	1.58	.61	.75	.89	36.2	10.6	1.82	.62	.77	.92	34.0	10.0	2.09	.63	.79	.95	32.0	9.4	2.40	.64	.82	.98
	1200	565	38.5	11.3	1.57	.62	.77	.92	36.8	10.8	1.81	.63	.79	.95	34.8	10.2	2.09	.65	.81	.97	32.6	9.6	2.40	.66	.84	1.00
	1300	615	39.5	11.6	1.57	.63	.79	.95	37.6	11.0	1.81	.65	.81	.97	35.4	10.4	2.08	.66	.84	1.00	33.2	9.7	2.39	.68	.87	1.00
71°F (22°C)	1100	520	40.5	11.9	1.57	.45	.59	.72	38.5	11.3	1.81	.46	.60	.74	36.4	10.7	2.08	.46	.61	.76	34.2	10.0	2.39	.47	.63	.79
	1200	565	41.0	12.0	1.57	.46	.60	.74	39.5	11.6	1.81	.46	.62	.76	37.2	10.9	2.07	.47	.63	.79	34.8	10.2	2.38	.47	.65	.81
	1300	615	42.0	12.3	1.57	.46	.62	.76	40.0	11.7	1.81	.47	.63	.79	37.8	11.1	2.07	.47	.65	.81	35.4	10.4	2.38	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CBX32M-048] [CB30M-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.5	13.6	2.88	.77	.92	1.00	44.0	12.9	3.23	.79	.94	1.00	41.5	12.2	3.62	.81	.97	1.00	39.0	11.4	4.06	.84	1.00	1.00
	1600	755	48.0	14.1	2.90	.80	.96	1.00	45.5	13.3	3.25	.82	.98	1.00	43.0	12.6	3.64	.85	1.00	1.00	40.5	11.9	4.08	.88	1.00	1.00
	1800	850	49.0	14.4	2.91	.83	.99	1.00	46.5	13.6	3.27	.85	1.00	1.00	44.5	13.0	3.66	.88	1.00	1.00	41.5	12.2	4.10	.92	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	2.92	.60	.74	.88	47.0	13.8	3.27	.61	.76	.90	44.5	13.0	3.66	.63	.78	.94	41.5	12.2	4.09	.64	.81	.97
	1600	755	51.0	14.9	2.93	.62	.77	.92	48.5	14.2	3.29	.63	.80	.95	45.5	13.3	3.68	.65	.82	.98	42.5	12.5	4.11	.67	.85	1.00
	1800	850	52.5	15.4	2.95	.64	.81	.96	49.5	14.5	3.30	.65	.83	.99	46.5	13.6	3.69	.67	.86	1.00	43.5	12.7	4.13	.69	.89	1.00
71°F (22°C)	1400	660	52.5	15.4	2.95	.45	.59	.72	50.0	14.7	3.31	.46	.60	.73	47.0	13.8	3.70	.46	.61	.76	44.0	12.9	4.14	.47	.63	.78
	1600	755	54.0	15.8	2.97	.46	.61	.75	51.5	15.1	3.32	.47	.62	.77	48.5	14.2	3.71	.47	.64	.79	45.0	13.2	4.16	.48	.65	.82
	1800	850	55.5	16.3	2.98	.47	.63	.78	52.5	15.4	3.34	.47	.64	.80	49.5	14.5	3.73	.48	.66	.83	46.0	13.5	4.17	.49	.68	.86

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CBX32M-048] [CB30M-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.6	11.6	2.12	36.8	10.8	2.09	34.0	10.0	2.07	31.2	9.1	2.05
1200	565	40.3	11.8	2.05	37.5	11.0	2.03	34.7	10.2	2.01	31.9	9.3	1.98
1300	615	40.6	11.9	2.00	37.9	11.1	1.98	35.1	10.3	1.95	32.3	9.5	1.93

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CBX32M-048] [CB30M-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.8	16.1	3.17	41.2	12.1	2.90	26.8	7.9	2.62	18.5	5.4	2.33	9.2	2.7	1.73
1600	755	55.7	16.3	3.07	42.1	12.3	2.80	27.7	8.1	2.52	19.4	5.7	2.23	10.1	3.0	1.63
1800	850	56.3	16.5	2.99	42.7	12.5	2.72	28.3	8.3	2.44	20.0	5.9	2.15	10.7	3.1	1.55

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CBX32M-048] [CB30M-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.07	55.7	16.3
60	16	3.00	52.6	15.4
55	13	2.94	49.5	14.5
50	10	2.88	46.4	13.6
47	8	2.84	44.6	13.1
45	7	2.80	42.1	12.3
40	4	2.69	35.9	10.5
35	2	2.58	29.7	8.7
30	-1	2.55	28.7	8.4
25	-4	2.52	27.7	8.1
20	-7	2.49	26.7	7.8
17	-8	2.47	26.1	7.6
15	-9	2.44	24.8	7.3
10	-12	2.38	21.8	6.4
5	-15	2.23	19.4	5.7
0	-18	2.08	17.1	5.0
-5	-21	1.93	14.8	4.3
-10	-23	1.78	12.5	3.7
-15	-26	1.63	10.1	3.0
-20	-29	1.48	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CBX32M-060] [CB30M-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.6	10.4	1.58	.78	.93	1.00	33.8	9.9	1.83	.80	.95	1.00	32.0	9.4	2.10	.82	.98	1.00	30.0	8.8	2.42	.84	1.00	1.00
	1200	565	36.4	10.7	1.58	.80	.95	1.00	34.6	10.1	1.82	.82	.98	1.00	32.6	9.6	2.10	.84	1.00	1.00	30.8	9.0	2.41	.87	1.00	1.00
	1300	615	37.0	10.8	1.58	.82	.98	1.00	35.2	10.3	1.82	.84	1.00	1.00	33.4	9.8	2.09	.87	1.00	1.00	31.6	9.3	2.40	.90	1.00	1.00
67°F (19°C)	1100	520	38.0	11.1	1.57	.61	.75	.89	36.0	10.6	1.82	.62	.77	.91	34.0	10.0	2.09	.63	.79	.94	32.0	9.4	2.40	.65	.82	.97
	1200	565	38.5	11.3	1.57	.62	.77	.92	36.8	10.8	1.81	.63	.79	.94	34.8	10.2	2.09	.65	.81	.97	32.6	9.6	2.40	.66	.84	1.00
	1300	615	39.5	11.6	1.57	.63	.79	.94	37.4	11.0	1.81	.64	.81	.97	35.2	10.3	2.08	.66	.84	.99	33.0	9.7	2.39	.68	.87	1.00
71°F (22°C)	1100	520	40.5	11.9	1.57	.46	.59	.72	38.5	11.3	1.81	.46	.60	.74	36.4	10.7	2.08	.47	.62	.76	34.2	10.0	2.39	.47	.63	.78
	1200	565	41.0	12.0	1.57	.46	.61	.74	39.0	11.4	1.81	.47	.62	.76	37.2	10.9	2.08	.47	.63	.78	35.0	10.3	2.38	.48	.65	.81
	1300	615	42.0	12.3	1.57	.47	.62	.76	40.0	11.7	1.81	.47	.63	.78	37.8	11.1	2.07	.48	.65	.81	35.6	10.4	2.38	.49	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CBX32M-060] [CB30M-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	47.0	13.8	2.89	.77	.91	1.00	44.5	13.0	3.24	.78	.93	1.00	42.0	12.3	3.63	.81	.96	1.00	39.0	11.4	4.06	.83	.99	1.00
	1600	755	48.5	14.2	2.90	.80	.95	1.00	46.0	13.5	3.25	.82	.97	1.00	43.0	12.6	3.64	.84	1.00	1.00	40.5	11.9	4.08	.87	1.00	1.00
	1800	850	49.5	14.5	2.92	.83	.98	1.00	47.0	13.8	3.27	.85	1.00	1.00	44.5	13.0	3.66	.88	1.00	1.00	42.0	12.3	4.10	.91	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	2.92	.60	.74	.87	47.5	13.9	3.27	.61	.76	.90	44.5	13.0	3.66	.63	.78	.93	41.5	12.2	4.10	.64	.81	.96
	1600	755	51.5	15.1	2.94	.62	.77	.92	48.5	14.2	3.29	.63	.79	.94	46.0	13.5	3.68	.65	.81	.97	42.5	12.5	4.12	.67	.85	1.00
	1800	850	52.5	15.4	2.95	.64	.80	.95	49.5	14.5	3.30	.65	.82	.98	47.0	13.8	3.69	.67	.85	1.00	43.5	12.7	4.13	.69	.89	1.00
71°F (22°C)	1400	660	53.0	15.5	2.95	.46	.59	.72	50.0	14.7	3.31	.46	.60	.73	47.5	13.9	3.70	.46	.61	.75	44.5	13.0	4.14	.47	.63	.78
	1600	755	54.5	16.0	2.97	.46	.61	.75	51.5	15.1	3.33	.47	.62	.76	48.5	14.2	3.72	.47	.63	.79	45.5	13.3	4.16	.48	.65	.82
	1800	850	55.5	16.3	2.99	.47	.63	.78	53.0	15.5	3.34	.48	.64	.80	50.0	14.7	3.74	.48	.66	.82	46.5	13.6	4.17	.49	.68	.86

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CBX32M-060] [CB30M-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.5	11.6	2.13	36.8	10.8	2.11	34.0	10.0	2.09	31.2	9.1	2.07
1200	565	40.1	11.8	2.07	37.4	11.0	2.05	34.6	10.1	2.03	31.8	9.3	2.01
1300	615	40.6	11.9	2.02	37.8	11.1	2.00	35.1	10.3	1.98	32.3	9.5	1.95

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CBX32M-060] [CB30M-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.6	16.0	3.20	41.1	12.0	2.93	26.8	7.9	2.65	18.6	5.5	2.35	9.3	2.7	1.75
1600	755	55.4	16.2	3.10	41.9	12.3	2.83	27.6	8.1	2.55	19.4	5.7	2.25	10.1	3.0	1.65
1800	850	56.1	16.4	3.03	42.6	12.5	2.76	28.3	8.3	2.48	20.1	5.9	2.18	10.8	3.2	1.58

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CBX32M-060] [CB30M-65]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.10	55.4	16.2
60	16	3.04	52.3	15.3
55	13	2.98	49.3	14.4
50	10	2.91	46.2	13.5
47	8	2.87	44.4	13.0
45	7	2.83	41.9	12.3
40	4	2.72	35.7	10.5
35	2	2.61	29.6	8.7
30	-1	2.58	28.6	8.4
25	-4	2.55	27.6	8.1
20	-7	2.51	26.6	7.8
17	-8	2.49	26.0	7.6
15	-9	2.47	24.8	7.3
10	-12	2.41	21.8	6.4
5	-15	2.25	19.4	5.7
0	-18	2.10	17.1	5.0
-5	-21	1.95	14.8	4.3
-10	-23	1.80	12.5	3.7
-15	-26	1.65	10.1	3.0
-20	-29	1.50	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CB30U-41/46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.4	10.1	1.58	.78	.93	1.00	32.8	9.6	1.83	.80	.96	1.00	30.8	9.0	2.11	.82	.98	1.00	29.0	8.5	2.43	.85	1.00	1.00
	1200	565	35.0	10.3	1.58	.80	.96	1.00	33.4	9.8	1.83	.82	.98	1.00	31.4	9.2	2.10	.84	1.00	1.00	29.8	8.7	2.42	.87	1.00	1.00
	1250	590	35.4	10.4	1.58	.81	.97	1.00	33.6	9.8	1.83	.83	.99	1.00	31.8	9.3	2.10	.86	1.00	1.00	30.2	8.9	2.42	.89	1.00	1.00
67°F (19°C)	1100	520	36.8	10.8	1.58	.61	.75	.89	35.0	10.3	1.82	.62	.77	.92	33.0	9.7	2.10	.63	.79	.95	31.0	9.1	2.41	.65	.82	.98
	1200	565	37.6	11.0	1.58	.62	.77	.92	35.6	10.4	1.82	.63	.79	.95	33.8	9.9	2.09	.64	.81	.97	31.6	9.3	2.40	.66	.84	1.00
	1250	590	37.8	11.1	1.58	.63	.78	.93	36.0	10.6	1.82	.64	.80	.96	34.0	10.0	2.09	.65	.83	.98	31.8	9.3	2.40	.67	.86	1.00
71°F (22°C)	1100	520	39.0	11.4	1.57	.45	.59	.72	37.4	11.0	1.81	.46	.60	.74	35.4	10.4	2.08	.46	.61	.76	33.2	9.7	2.39	.47	.63	.79
	1200	565	40.0	11.7	1.57	.46	.60	.74	38.0	11.1	1.81	.46	.61	.76	36.0	10.6	2.08	.47	.63	.78	33.8	9.9	2.39	.47	.65	.81
	1250	590	40.0	11.7	1.57	.46	.61	.75	38.5	11.3	1.81	.47	.62	.77	36.2	10.6	2.08	.47	.64	.80	34.0	10.0	2.39	.48	.65	.83

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CB30U-41/46]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	44.5	13.0	2.86	.77	.92	1.00	42.5	12.5	3.21	.79	.94	1.00	40.0	11.7	3.60	.81	.97	1.00	37.0	10.8	4.03	.84	1.00	1.00
	1500	710	45.5	13.3	2.87	.78	.94	1.00	43.0	12.6	3.22	.80	.96	1.00	40.5	11.9	3.61	.83	.99	1.00	37.6	11.0	4.04	.86	1.00	1.00
	1550	730	45.5	13.3	2.87	.79	.95	1.00	43.5	12.7	3.22	.81	.97	1.00	40.5	11.9	3.61	.84	1.00	1.00	38.0	11.1	4.04	.87	1.00	1.00
67°F (19°C)	1400	660	47.5	13.9	2.89	.60	.74	.88	45.0	13.2	3.25	.61	.76	.91	42.5	12.5	3.64	.63	.78	.94	39.5	11.6	4.07	.64	.81	.97
	1500	710	48.5	14.2	2.90	.61	.76	.90	46.0	13.5	3.25	.62	.78	.93	43.0	12.6	3.64	.64	.80	.96	40.0	11.7	4.08	.66	.83	.99
	1550	730	48.5	14.2	2.90	.62	.77	.91	46.0	13.5	3.26	.63	.79	.94	43.5	12.7	3.64	.64	.81	.97	40.5	11.9	4.08	.66	.84	1.00
71°F (22°C)	1400	660	50.5	14.8	2.93	.45	.59	.72	48.0	14.1	3.28	.46	.60	.73	45.0	13.2	3.67	.46	.61	.76	42.0	12.3	4.10	.47	.63	.79
	1500	710	51.0	14.9	2.93	.46	.60	.73	48.5	14.2	3.29	.46	.61	.75	45.5	13.3	3.68	.47	.62	.78	42.5	12.5	4.12	.47	.64	.81
	1550	730	51.5	15.1	2.94	.46	.60	.74	49.0	14.4	3.29	.46	.61	.76	46.0	13.5	3.68	.47	.63	.79	43.0	12.6	4.12	.48	.65	.82

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CB30U-41/46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1110	525	39.4	11.5	2.17	36.6	10.7	2.14	33.8	9.9	2.12	31.0	9.1	2.09
1200	565	40.0	11.7	2.10	37.2	10.9	2.08	34.4	10.1	2.05	31.6	9.3	2.02
1250	590	40.2	11.8	2.07	37.4	11.0	2.05	34.6	10.1	2.02	31.9	9.3	2.00

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CB30U-41/46]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.3	15.9	3.26	41.0	12.0	2.95	26.9	7.9	2.63	18.8	5.5	2.32	9.6	2.8	1.72
1500	710	54.8	16.1	3.21	41.5	12.2	2.90	27.4	8.0	2.58	19.3	5.7	2.27	10.1	3.0	1.67
1550	730	55.0	16.1	3.18	41.7	12.2	2.88	27.6	8.1	2.56	19.5	5.7	2.25	10.3	3.0	1.64

HEATING PERFORMANCE at 1500 cfm (710 L/s) Indoor Coil Air Volume
HPXA16-048 with [CB30U-41/46]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.21	54.8	16.1
60	16	3.14	51.8	15.2
55	13	3.06	48.8	14.3
50	10	2.99	45.7	13.4
47	8	2.95	43.9	12.9
45	7	2.90	41.5	12.2
40	4	2.78	35.4	10.4
35	2	2.66	29.3	8.6
30	-1	2.62	28.4	8.3
25	-4	2.58	27.4	8.0
20	-7	2.55	26.4	7.7
17	-8	2.52	25.8	7.6
15	-9	2.49	24.6	7.2
10	-12	2.42	21.6	6.3
5	-15	2.27	19.3	5.7
0	-18	2.12	17.0	5.0
-5	-21	1.97	14.7	4.3
-10	-23	1.82	12.4	3.6
-15	-26	1.67	10.1	3.0
-20	-29	1.52	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CB30U-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.8	10.2	1.58	.78	.93	1.00	33.2	9.7	1.83	.80	.95	1.00	31.6	9.3	2.10	.82	.98	1.00	29.6	8.7	2.42	.85	1.00	1.00
	1200	565	35.6	10.4	1.58	.80	.95	1.00	34.0	10.0	1.83	.82	.98	1.00	32.4	9.5	2.10	.84	1.00	1.00	30.6	9.0	2.41	.87	1.00	1.00
	1300	615	36.4	10.7	1.58	.82	.97	1.00	34.8	10.2	1.82	.84	1.00	1.00	33.0	9.7	2.10	.87	1.00	1.00	31.4	9.2	2.41	.90	1.00	1.00
67°F (19°C)	1100	520	37.4	11.0	1.58	.61	.75	.89	35.6	10.4	1.82	.62	.77	.91	33.8	9.9	2.09	.63	.79	.94	31.8	9.3	2.40	.65	.82	.98
	1200	565	38.0	11.1	1.58	.62	.77	.92	36.4	10.7	1.82	.63	.79	.94	34.4	10.1	2.09	.65	.81	.97	32.2	9.4	2.40	.66	.84	1.00
	1300	615	38.5	11.3	1.57	.63	.79	.94	37.0	10.8	1.82	.64	.81	.97	34.8	10.2	2.09	.66	.84	.99	32.8	9.6	2.40	.68	.87	1.00
71°F (22°C)	1100	520	40.0	11.7	1.57	.46	.59	.72	38.0	11.1	1.81	.46	.60	.74	36.0	10.6	2.08	.46	.62	.76	34.0	10.0	2.39	.47	.63	.79
	1200	565	40.5	11.9	1.57	.46	.61	.74	39.0	11.4	1.81	.47	.62	.76	36.8	10.8	2.08	.47	.63	.79	34.6	10.1	2.38	.48	.65	.81
	1300	615	41.5	12.2	1.57	.47	.62	.76	39.5	11.6	1.81	.47	.63	.78	37.4	11.0	2.07	.48	.65	.81	35.2	10.3	2.38	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CB30U-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.0	13.5	2.88	.77	.91	1.00	44.0	12.9	3.23	.79	.94	1.00	41.5	12.2	3.62	.81	.97	1.00	38.5	11.3	4.05	.84	1.00	1.00
	1600	755	47.5	13.9	2.89	.80	.95	1.00	45.0	13.2	3.24	.82	.98	1.00	42.5	12.5	3.64	.85	1.00	1.00	40.0	11.7	4.08	.88	1.00	1.00
	1800	850	49.0	14.4	2.91	.83	.99	1.00	46.5	13.6	3.26	.85	1.00	1.00	44.0	12.9	3.65	.88	1.00	1.00	41.5	12.2	4.10	.92	1.00	1.00
67°F (19°C)	1400	660	49.0	14.4	2.91	.60	.74	.88	46.5	13.6	3.26	.61	.76	.90	44.0	12.9	3.66	.63	.78	.93	41.0	12.0	4.09	.64	.81	.97
	1600	755	50.5	14.8	2.93	.62	.77	.92	48.0	14.1	3.28	.63	.79	.95	45.0	13.2	3.67	.65	.82	.98	42.0	12.3	4.10	.67	.85	1.00
	1800	850	51.5	15.1	2.94	.64	.80	.96	49.0	14.4	3.29	.65	.83	.98	46.0	13.5	3.68	.67	.86	1.00	43.0	12.6	4.12	.69	.89	1.00
71°F (22°C)	1400	660	52.0	15.2	2.95	.45	.59	.72	49.5	14.5	3.30	.46	.60	.73	47.0	13.8	3.69	.46	.61	.76	44.0	12.9	4.13	.47	.63	.78
	1600	755	53.5	15.7	2.96	.46	.61	.75	51.0	14.9	3.32	.47	.62	.77	48.0	14.1	3.71	.47	.64	.79	45.0	13.2	4.15	.48	.65	.82
	1800	850	55.0	16.1	2.98	.47	.63	.78	52.0	15.2	3.33	.47	.64	.80	49.0	14.4	3.72	.48	.66	.83	46.0	13.5	4.16	.49	.68	.86

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CB30U-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.6	11.6	2.12	36.8	10.8	2.09	34.0	10.0	2.07	31.2	9.1	2.05
1200	565	40.2	11.8	2.05	37.4	11.0	2.03	34.7	10.2	2.01	31.9	9.3	1.99
1300	615	40.6	11.9	2.00	37.9	11.1	1.98	35.1	10.3	1.95	32.3	9.5	1.93

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CB30U-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.7	16.0	3.18	41.3	12.1	2.90	27.0	7.9	2.61	18.8	5.5	2.32	9.5	2.8	1.73
1600	755	55.4	16.2	3.08	42.0	12.3	2.81	27.7	8.1	2.52	19.5	5.7	2.23	10.2	3.0	1.63
1800	850	56.1	16.4	3.01	42.7	12.5	2.73	28.4	8.3	2.44	20.2	5.9	2.15	10.9	3.2	1.56

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CB30U-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.08	55.4	16.2
60	16	3.02	52.3	15.3
55	13	2.95	49.3	14.4
50	10	2.89	46.2	13.5
47	8	2.85	44.4	13.0
45	7	2.81	42.0	12.3
40	4	2.69	35.8	10.5
35	2	2.58	29.7	8.7
30	-1	2.55	28.7	8.4
25	-4	2.52	27.7	8.1
20	-7	2.49	26.7	7.8
17	-8	2.47	26.1	7.6
15	-9	2.44	24.9	7.3
10	-12	2.38	21.9	6.4
5	-15	2.23	19.5	5.7
0	-18	2.08	17.2	5.0
-5	-21	1.93	14.9	4.4
-10	-23	1.78	12.5	3.7
-15	-26	1.63	10.2	3.0
-20	-29	1.48	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CB30U-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.6	10.4	1.58	.78	.93	1.00	33.8	9.9	1.83	.80	.95	1.00	32.0	9.4	2.10	.82	.98	1.00	30.0	8.8	2.42	.84	1.00	1.00
	1200	565	36.4	10.7	1.58	.80	.95	1.00	34.6	10.1	1.82	.82	.98	1.00	32.8	9.6	2.10	.84	1.00	1.00	31.0	9.1	2.41	.87	1.00	1.00
	1300	615	37.2	10.9	1.58	.82	.98	1.00	35.4	10.4	1.82	.84	1.00	1.00	33.6	9.8	2.09	.87	1.00	1.00	31.8	9.3	2.40	.90	1.00	1.00
67°F (19°C)	1100	520	38.0	11.1	1.57	.61	.75	.89	36.4	10.7	1.82	.62	.77	.91	34.2	10.0	2.09	.63	.79	.94	32.2	9.4	2.40	.64	.81	.97
	1200	565	39.0	11.4	1.57	.62	.77	.92	37.0	10.8	1.81	.63	.79	.94	35.0	10.3	2.09	.64	.81	.97	32.8	9.6	2.40	.66	.84	1.00
	1300	615	39.5	11.6	1.57	.63	.79	.94	37.6	11.0	1.81	.64	.81	.97	35.6	10.4	2.08	.66	.84	.99	33.4	9.8	2.39	.68	.87	1.00
71°F (22°C)	1100	520	40.5	11.9	1.57	.46	.59	.72	39.0	11.4	1.81	.46	.60	.74	36.8	10.8	2.08	.46	.61	.76	34.6	10.1	2.39	.47	.63	.78
	1200	565	41.5	12.2	1.57	.46	.60	.74	39.5	11.6	1.81	.47	.62	.76	37.4	11.0	2.07	.47	.63	.78	35.2	10.3	2.38	.48	.65	.81
	1300	615	42.0	12.3	1.57	.47	.62	.76	40.0	11.7	1.81	.47	.63	.78	38.0	11.1	2.07	.48	.64	.81	35.8	10.5	2.38	.48	.66	.84

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CB30U-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	47.0	13.8	2.89	.77	.91	1.00	44.5	13.0	3.24	.78	.94	1.00	42.0	12.3	3.63	.81	.96	1.00	39.0	11.4	4.06	.83	.99	1.00
	1600	755	48.5	14.2	2.90	.80	.95	1.00	46.0	13.5	3.26	.82	.98	1.00	43.5	12.7	3.65	.84	1.00	1.00	41.0	12.0	4.09	.87	1.00	1.00
	1800	850	49.5	14.5	2.92	.83	.99	1.00	47.0	13.8	3.27	.85	1.00	1.00	45.0	13.2	3.67	.88	1.00	1.00	42.0	12.3	4.11	.91	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	2.92	.60	.74	.87	47.5	13.9	3.28	.61	.76	.90	45.0	13.2	3.66	.62	.78	.93	42.0	12.3	4.10	.64	.80	.96
	1600	755	51.5	15.1	2.94	.62	.77	.92	49.0	14.4	3.29	.63	.79	.94	46.0	13.5	3.68	.65	.82	.97	43.0	12.6	4.12	.66	.85	1.00
	1800	850	53.0	15.5	2.95	.64	.80	.96	50.0	14.7	3.31	.65	.82	.98	47.0	13.8	3.70	.67	.85	1.00	43.5	12.7	4.13	.69	.89	1.00
71°F (22°C)	1400	660	53.0	15.5	2.96	.46	.59	.71	50.5	14.8	3.31	.46	.60	.73	47.5	13.9	3.70	.46	.61	.75	44.5	13.0	4.14	.47	.63	.78
	1600	755	54.5	16.0	2.98	.46	.61	.75	52.0	15.2	3.33	.47	.62	.76	49.0	14.4	3.72	.47	.63	.79	46.0	13.5	4.16	.48	.65	.82
	1800	850	56.0	16.4	2.99	.47	.62	.78	53.0	15.5	3.35	.48	.64	.80	50.0	14.7	3.74	.48	.66	.82	47.0	13.8	4.18	.49	.68	.86

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CB30U-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.7	11.6	2.13	36.9	10.8	2.11	34.2	10.0	2.09	31.4	9.2	2.07
1200	565	40.0	11.7	2.07	37.2	10.9	2.05	34.4	10.1	2.03	31.7	9.3	2.00
1300	615	40.6	11.9	2.02	37.8	11.1	2.00	35.1	10.3	1.97	32.3	9.5	1.95

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CB30U-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.7	16.0	3.19	41.2	12.1	2.92	26.9	7.9	2.63	18.7	5.5	2.34	9.4	2.8	1.74
1600	755	55.4	16.2	3.10	41.9	12.3	2.82	27.6	8.1	2.54	19.4	5.7	2.25	10.1	3.0	1.65
1800	850	56.1	16.4	3.03	42.6	12.5	2.75	28.3	8.3	2.47	20.1	5.9	2.18	10.8	3.2	1.58

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CB30U-65]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.10	55.4	16.2
60	16	3.03	52.3	15.3
55	13	2.97	49.3	14.4
50	10	2.91	46.2	13.5
47	8	2.87	44.4	13.0
45	7	2.82	41.9	12.3
40	4	2.71	35.8	10.5
35	2	2.60	29.6	8.7
30	-1	2.57	28.6	8.4
25	-4	2.54	27.6	8.1
20	-7	2.51	26.6	7.8
17	-8	2.49	26.0	7.6
15	-9	2.46	24.8	7.3
10	-12	2.40	21.8	6.4
5	-15	2.25	19.4	5.7
0	-18	2.10	17.1	5.0
-5	-21	1.95	14.8	4.3
-10	-23	1.80	12.5	3.7
-15	-26	1.65	10.1	3.0
-20	-29	1.49	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - HSXA16-048 with [CX34-62D-6F] [C33-62D]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	36.0	10.6	1.58	.79	.93	1.00	34.2	10.0	1.82	.81	.96	1.00	32.4	9.5	2.10	.84	.99	1.00	30.6	9.0	2.41	.86	1.00	1.00
	1200	565	36.8	10.8	1.58	.81	.96	1.00	35.0	10.3	1.82	.83	.99	1.00	33.2	9.7	2.09	.86	1.00	1.00	31.6	9.3	2.40	.89	1.00	1.00
	1300	615	37.4	11.0	1.58	.83	.99	1.00	.0	.0	.00	.85		1.00	34.2	10.0	2.09	.88	1.00	1.00	32.4	9.5	2.40	.92	1.00	1.00
67°F (19°C)	1100	520	38.5	11.3	1.57	.62	.76	.89	36.4	10.7	1.82	.64	.78	.92	34.6	10.1	2.09	.65	.81	.95	32.6	9.6	2.40	.67	.83	.99
	1200	565	39.0	11.4	1.57	.64	.78	.92	37.2	10.9	1.81	.65	.80	.95	35.2	10.3	2.08	.67	.83	.98	33.0	9.7	2.39	.68	.86	1.00
	1300	615	40.0	11.7	1.57	.65	.80	.95	38.0	11.1	1.81	.66	.83	.98	36.0	10.6	2.08	.68	.85	1.00	33.6	9.8	2.39	.70	.88	1.00
71°F (22°C)	1100	520	41.0	12.0	1.57	.48	.60	.73	39.0	11.4	1.81	.48	.62	.75	37.0	10.8	2.07	.49	.63	.78	35.0	10.3	2.38	.49	.65	.80
	1200	565	41.5	12.2	1.57	.48	.62	.75	40.0	11.7	1.81	.49	.64		37.8	11.1	2.07	.49	.65		35.6	10.4	2.38	.50	.67	.83
	1300	615	42.5	12.5	1.57	.49	.63	.77	40.5	11.9	1.81	.50	.65	.80	38.5	11.3	2.07	.50	.67	.82	36.2	10.6	2.38	.51	.68	.85

SECOND STAGE COOLING CAPACITY - HSXA16-048 with [CX34-62D-6F] [C33-62D]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	47.5	13.9	2.89	.78	.92	1.00	45.0	13.2	3.25	.80	.94	1.00	42.5	12.5	3.64	.82	.97	1.00	40.0	11.7	4.07	.85	1.00	1.00
	1600	755	49.0	14.4	2.91	.81	.96	1.00	46.5	13.6	3.26	.83	.99	1.00	44.0	12.9	3.66	.86	1.00	1.00	41.5	12.2	4.10	.89	1.00	1.00
	1800	850	50.5	14.8	2.93	.84	.99	1.00	48.0	14.1	3.28	.86	1.00	1.00	45.5	13.3	3.68	.89	1.00	1.00	43.0	12.6	4.12	.93	1.00	1.00
67°F (19°C)	1400	660	50.5	14.8	2.93	.62	.75	.88	48.0	14.1	3.28	.63	.77	.91	45.5	13.3	3.67	.64	.79	.94	42.5	12.5	4.11	.66	.82	.97
	1600	755	52.0	15.2	2.95	.64	.78	.92	49.5	14.5	3.30	.65	.80	.95	46.5	13.6	3.69	.67	.83	.98	43.5	12.7	4.13	.69	.86	1.00
	1800	850	53.5	15.7	2.96	.66	.81	.96	50.5	14.8	3.31	.67	.84	.99	47.5	13.9	3.71	.69	.87	1.00	44.5	13.0	4.14	.71	.90	1.00
71°F (22°C)	1400	660	53.5	15.7	2.97	.47	.60	.73	51.0	14.9	3.32	.48	.61	.74	48.5	14.2	3.71	.49	.63	.76	45.5	13.3	4.16	.49	.65	.79
	1600	755	55.5	16.3	2.98	.48	.62	.76	52.5	15.4	3.34	.49	.64	.78	49.5	14.5	3.73	.50	.65	.80	46.5	13.6	4.18	.50	.67	.83
	1800	850	56.5	16.6	3.00	.49	.64	.79	54.0	15.8	3.36	.50	.66	.81	51.0	14.9	3.75	.51	.68	.84	47.5	13.9	4.19	.52	.70	.87

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CX34-62D-6F] [C33-62D]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.4	11.5	2.22	36.6	10.7	2.20	33.9	9.9	2.18	31.1	9.1	2.17
1200	565	39.9	11.7	2.15	37.1	10.9	2.13	34.4	10.1	2.12	31.6	9.3	2.10
1300	615	40.3	11.8	2.09	37.6	11.0	2.08	34.8	10.2	2.06	32.1	9.4	2.04

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CX34-62D-6F] [C33-62D]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.5	16.0	3.32	41.0	12.0	3.04	26.8	7.9	2.75	18.6	5.5	2.44	9.4	2.8	1.82
1600	755	55.2	16.2	3.22	41.7	12.2	2.94	27.5	8.1	2.64	19.3	5.7	2.34	10.1	3.0	1.71
1800	850	55.8	16.4	3.13	42.3	12.4	2.85	28.1	8.2	2.56	19.9	5.8	2.25	10.7	3.1	1.63

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CX34-62D-6F] [C33-62D]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.22	55.2	16.2
60	16	3.15	52.1	15.3
55	13	3.09	49.1	14.4
50	10	3.02	46.0	13.5
47	8	2.98	44.2	13.0
45	7	2.94	41.7	12.2
40	4	2.82	35.6	10.4
35	2	2.71	29.5	8.6
30	-1	2.68	28.5	8.4
25	-4	2.64	27.5	8.1
20	-7	2.61	26.5	7.8
17	-8	2.59	25.9	7.6
15	-9	2.56	24.7	7.2
10	-12	2.50	21.6	6.3
5	-15	2.34	19.3	5.7
0	-18	2.18	17.0	5.0
-5	-21	2.02	14.7	4.3
-10	-23	1.87	12.4	3.6
-15	-26	1.71	10.1	3.0
-20	-29	1.55	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1065	505	35.4	10.4	1.58	.77	.92	1.00	33.8	9.9	1.83	.79	.94	1.00	31.8	9.3	2.10	.82	.97	1.00	30.0	8.8	2.42	.84	1.00	1.00
	1140	540	36.0	10.6	1.58	.79	.94	1.00	34.4	10.1	1.82	.81	.96	1.00	32.4	9.5	2.10	.84	.99	1.00	30.8	9.0	2.41	.86	1.00	1.00
	1220	575	36.8	10.8	1.58	.81	.96	1.00	35.0	10.3	1.82	.83	.99	1.00	33.2	9.7	2.09	.86	1.00	1.00	31.6	9.3	2.40	.89	1.00	1.00
67°F (19°C)	1065	505	37.8	11.1	1.58	.61	.75	.88	36.0	10.6	1.82	.62	.76	.90	34.2	10.0	2.09	.64	.79	.93	32.2	9.4	2.40	.65	.81	.96
	1140	540	38.5	11.3	1.57	.62	.76	.89	36.6	10.7	1.82	.63	.78	.92	34.6	10.1	2.09	.65	.81	.96	32.6	9.6	2.40	.66	.83	.99
	1220	575	39.0	11.4	1.57	.64	.78	.92	37.2	10.9	1.81	.65	.80	.95	35.2	10.3	2.08	.66	.83	.98	33.2	9.7	2.39	.68	.86	1.00
71°F (22°C)	1065	505	40.5	11.9	1.57	.46	.59	.72	38.5	11.3	1.81	.47	.60	.74	36.6	10.7	2.08	.47	.62	.76	34.4	10.1	2.38	.48	.63	.78
	1140	540	41.0	12.0	1.57	.47	.60	.73	39.0	11.4	1.81	.47	.62	.75	37.2	10.9	2.08	.48	.63	.78	35.0	10.3	2.38	.48	.65	.80
	1220	575	41.5	12.2	1.57	.48	.62	.75	40.0	11.7	1.81	.48	.63	.77	37.8	11.1	2.07	.49	.65	.78	35.6	10.4	2.38	.50	.66	.83

SECOND STAGE COOLING CAPACITY - HSXA16-048 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1520	720	48.5	14.2	2.90	.79	.94	1.00	46.0	13.5	3.26	.81	.96	1.00	43.5	12.7	3.65	.84	.99	1.00	40.5	11.9	4.08	.87	1.00	1.00
	1630	770	49.0	14.4	2.91	.81	.96	1.00	46.5	13.6	3.26	.83	.99	1.00	44.0	12.9	3.66	.86	1.00	1.00	41.5	12.2	4.10	.89	1.00	1.00
	1765	830	50.0	14.7	2.92	.83	.99	1.00	47.5	13.9	3.27	.85	1.00	1.00	45.0	13.2	3.67	.88	1.00	1.00	42.5	12.5	4.11	.92	1.00	1.00
67°F (19°C)	1520	720	51.0	14.9	2.94	.62	.77	.90	49.0	14.4	3.29	.64	.79	.93	46.0	13.5	3.68	.65	.81	.96	43.0	12.6	4.12	.67	.84	.99
	1630	770	52.0	15.2	2.95	.64	.78	.92	49.5	14.5	3.30	.65	.80	.95	46.5	13.6	3.69	.66	.83	.98	43.5	12.7	4.13	.68	.86	1.00
	1765	830	53.0	15.5	2.96	.65	.80	.95	50.5	14.8	3.31	.66	.83	.98	47.5	13.9	3.70	.68	.85	1.00	44.0	12.9	4.14	.70	.89	1.00
71°F (22°C)	1520	720	54.5	16.0	2.97	.47	.61	.74	52.0	15.2	3.33	.48	.62	.76	49.0	14.4	3.73	.48	.64	.78	46.0	13.5	4.17	.49	.65	.81
	1630	770	55.5	16.3	2.99	.48	.62	.76	52.5	15.4	3.34	.48	.63	.78	50.0	14.7	3.74	.49	.65	.80	46.5	13.6	4.18	.50	.67	.83
	1765	830	56.0	16.4	3.00	.49	.64	.78	53.5	15.7	3.35	.49	.65	.80	50.5	14.8	3.75	.50	.67	.83	47.0	13.8	4.19	.51	.69	.86

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1065	505	38.5	11.3	2.23	35.8	10.5	2.21	33.1	9.7	2.19	30.3	8.9	2.17
1140	540	38.9	11.4	2.18	36.2	10.6	2.16	33.5	9.8	2.14	30.8	9.0	2.11
1220	575	39.6	11.6	2.13	36.9	10.8	2.11	34.1	10.0	2.09	31.4	9.2	2.07

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1520	715	54.1	15.9	3.24	40.7	11.9	2.96	26.5	7.8	2.67	18.4	5.4	2.36	9.4	2.8	1.74
1630	770	54.6	16.0	3.19	41.2	12.1	2.91	27.0	7.9	2.62	18.9	5.5	2.31	9.9	2.9	1.69
1765	830	55.1	16.1	3.14	41.7	12.2	2.86	27.5	8.1	2.57	19.4	5.7	2.26	10.4	3.0	1.64

HEATING PERFORMANCE at 1630 cfm (770 L/s) Indoor Coil Air Volume
HPXA16-048 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.19	54.6	16.0
60	16	3.13	51.6	15.1
55	13	3.06	48.5	14.2
50	10	3.00	45.5	13.3
47	8	2.96	43.7	12.8
45	7	2.91	41.2	12.1
40	4	2.81	35.1	10.3
35	2	2.70	29.0	8.5
30	-1	2.66	28.0	8.2
25	-4	2.62	27.0	7.9
20	-7	2.58	26.0	7.6
17	-8	2.56	25.4	7.4
15	-9	2.53	24.2	7.1
10	-12	2.47	21.2	6.2
5	-15	2.31	18.9	5.5
0	-18	2.16	16.7	4.9
-5	-21	2.00	14.4	4.2
-10	-23	1.85	12.1	3.5
-15	-26	1.69	9.9	2.9
-20	-29	1.54	7.6	2.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	890	420	33.8	9.9	1.59	.74	.87	.99	32.2	9.4	1.83	.76	.89	1.00	.0	.0	.00	.77		1.00	28.6	8.4	2.43	.79	.95	1.00
	1085	510	35.6	10.4	1.58	.78	.92	1.00	34.0	10.0	1.83	.80	.95	1.00	32.0	9.4	2.10	.82	.98	1.00	30.2	8.9	2.41	.85	1.00	1.00
	1225	580	36.8	10.8	1.58	.81	.96	1.00	35.0	10.3	1.82	.83	.99	1.00	33.2	9.7	2.09	.86	1.00	1.00	31.6	9.3	2.40	.89	1.00	1.00
67°F (19°C)	890	420	36.0	10.6	1.58	.59	.71	.83	34.4	10.1	1.82	.59	.73	.85	32.6	9.6	2.10	.61	.74	.87	30.8	9.0	2.41	.62	.76	.90
	1085	510	38.0	11.1	1.58	.61	.75	.88	36.0	10.6	1.82	.62	.77	.91	34.2	10.0	2.09	.64	.79	.94	32.2	9.4	2.40	.65	.82	.97
	1225	580	39.0	11.4	1.57	.63	.78	.92	37.2	10.9	1.81	.65	.80	.95	35.2	10.3	2.08	.66	.83	.98	33.2	9.7	2.39	.68	.86	1.00
71°F (22°C)	890	420	38.5	11.3	1.57	.45	.57	.68	36.8	10.8	1.82	.46	.58	.70	35.0	10.3	2.08	.46	.59	.71	33.0	9.7	2.40	.46	.60	.73
	1085	510	40.5	11.9	1.57	.46	.59	.72	38.5	11.3	1.81	.47	.61	.74	36.8	10.8	2.08	.47	.62	.76	34.6	10.1	2.38	.48	.64	.79
	1225	580	41.5	12.2	1.57	.48	.62	.75	40.0	11.7	1.81	.48	.63	.77	37.8	11.1	2.07	.49	.65	.78	35.6	10.4	2.38	.49	.66	.82

SECOND STAGE COOLING CAPACITY - HSXA16-048 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1415	670	47.5	13.9	2.89	.78	.92	1.00	45.0	13.2	3.25	.79	.94	1.00	42.5	12.5	3.64	.82	.97	1.00	40.0	11.7	4.07	.85	1.00	1.00
	1600	755	49.0	14.4	2.91	.81	.96	1.00	46.5	13.6	3.26	.83	.98	1.00	44.0	12.9	3.65	.85	1.00	1.00	41.5	12.2	4.10	.89	1.00	1.00
	1730	815	50.0	14.7	2.92	.82	.98	1.00	47.5	13.9	3.27	.85	1.00	1.00	45.0	13.2	3.67	.88	1.00	1.00	42.5	12.5	4.11	.91	1.00	1.00
67°F (19°C)	1415	670	50.5	14.8	2.93	.61	.75	.88	48.0	14.1	3.28	.63	.77	.91	45.5	13.3	3.67	.64	.79	.94	42.5	12.5	4.11	.66	.82	.97
	1600	755	52.0	15.2	2.94	.64	.78	.92	49.5	14.5	3.30	.65	.80	.95	46.5	13.6	3.69	.66	.83	.98	43.5	12.7	4.13	.68	.86	1.00
	1730	815	53.0	15.5	2.95	.65	.80	.95	50.0	14.7	3.31	.66	.82	.97	47.5	13.9	3.70	.68	.85	1.00	44.0	12.9	4.14	.70	.88	1.00
71°F (22°C)	1415	670	53.5	15.7	2.97	.47	.60	.72	51.0	14.9	3.32	.47	.61	.74	48.5	14.2	3.71	.48	.63	.76	45.5	13.3	4.16	.49	.64	.79
	1600	755	55.0	16.1	2.98	.48	.62	.75	52.5	15.4	3.34	.48	.63	.77	49.5	14.5	3.73	.49	.65	.80	46.5	13.6	4.17	.50	.67	.83
	1730	815	56.0	16.4	2.99	.49	.63	.77	53.5	15.7	3.35	.49	.65	.79	50.5	14.8	3.74	.50	.66	.82	47.0	13.8	4.18	.51	.68	.85

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
890	420	37.6	11.0	2.40	34.9	10.2	2.37	32.2	9.4	2.35	29.5	8.6	2.33
1085	510	38.6	11.3	2.21	35.9	10.5	2.19	33.3	9.8	2.17	30.6	9.0	2.14
1225	580	39.4	11.5	2.13	36.8	10.8	2.10	34.1	10.0	2.08	31.4	9.2	2.06

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1415	670	54.0	15.8	3.30	40.6	11.9	3.02	26.4	7.7	2.73	18.3	5.4	2.42	9.2	2.7	1.80
1600	755	54.8	16.1	3.21	41.4	12.1	2.93	27.2	8.0	2.64	19.1	5.6	2.33	10.0	2.9	1.71
1730	815	55.0	16.1	3.15	41.6	12.2	2.87	27.4	8.0	2.57	19.3	5.7	2.27	10.2	3.0	1.64

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	3.21	54.8	16.1
60	16	3.15	51.8	15.2
55	13	3.08	48.7	14.3
50	10	3.02	45.7	13.4
47	8	2.98	43.9	12.9
45	7	2.93	41.4	12.1
40	4	2.82	35.3	10.3
35	2	2.71	29.2	8.6
30	-1	2.67	28.2	8.3
25	-4	2.64	27.2	8.0
20	-7	2.60	26.2	7.7
17	-8	2.58	25.6	7.5
15	-9	2.56	24.4	7.2
10	-12	2.49	21.3	6.2
5	-15	2.33	19.1	5.6
0	-18	2.18	16.8	4.9
-5	-21	2.02	14.5	4.2
-10	-23	1.86	12.2	3.6
-15	-26	1.71	10.0	2.9
-20	-29	1.55	7.7	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CR26-48N/W-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.8	10.2	1.58	.78	.92	1.00	33.0	9.7	1.83	.80	.95	1.00	31.4	9.2	2.11	.82	.98	1.00	29.4	8.6	2.42	.85	1.00	1.00
	1200	565	35.4	10.4	1.58	.80	.95	1.00	33.8	9.9	1.83	.82	.97	1.00	32.0	9.4	2.10	.84	1.00	1.00	30.2	8.9	2.42	.88	1.00	1.00
	1300	615	36.0	10.6	1.58	.82	.97	1.00	34.4	10.1	1.82	.84	.99	1.00	32.6	9.6	2.10	.87	1.00	1.00	31.0	9.1	2.41	.90	1.00	1.00
67°F (19°C)	1100	520	37.2	10.9	1.58	.62	.75	.88	35.6	10.4	1.82	.63	.77	.91	33.6	9.8	2.09	.64	.79	.94	31.6	9.3	2.40	.66	.82	.97
	1200	565	37.8	11.1	1.58	.63	.77	.91	36.2	10.6	1.82	.64	.79	.94	34.2	10.0	2.09	.66	.81	.97	32.2	9.4	2.40	.67	.84	.99
	1300	615	38.5	11.3	1.57	.64	.79	.94	36.8	10.8	1.82	.65	.81	.96	34.8	10.2	2.09	.67	.84	.99	32.6	9.6	2.40	.69	.87	1.00
71°F (22°C)	1100	520	39.5	11.6	1.57	.47	.60	.73	37.8	11.1	1.81	.48	.61	.74	36.0	10.6	2.08	.48	.62	.76	33.8	9.9	2.39	.49	.64	.79
	1200	565	40.0	11.7	1.57	.48	.62	.75	38.5	11.3	1.81	.48	.63	.76	36.6	10.7	2.08	.49	.64	.79	34.4	10.1	2.38	.50	.66	.81
	1300	615	41.0	12.0	1.57	.49	.63	.76	39.0	11.4	1.81	.49	.64	.78	37.2	10.9	2.08	.49	.65	.81	35.0	10.3	2.38	.50	.67	.84

SECOND STAGE COOLING CAPACITY - HSXA16-048 with [CR26-48N/W-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	45.5	13.3	2.87	.77	.91	1.00	43.5	12.7	3.22	.79	.93	1.00	41.0	12.0	3.61	.81	.96	1.00	38.0	11.1	4.05	.84	.99	1.00
	1600	755	47.0	13.8	2.88	.80	.94	1.00	44.5	13.0	3.24	.82	.97	1.00	42.0	12.3	3.63	.84	.99	1.00	39.5	11.6	4.06	.87	1.00	1.00
	1800	850	48.0	14.1	2.90	.82	.98	1.00	45.5	13.3	3.25	.85	.99	1.00	43.0	12.6	3.64	.88	1.00	1.00	40.5	11.9	4.08	.91	1.00	1.00
67°F (19°C)	1400	660	48.5	14.2	2.90	.61	.74	.87	46.0	13.5	3.26	.62	.76	.89	43.5	12.7	3.65	.63	.78	.92	40.5	11.9	4.08	.65	.81	.96
	1600	755	50.0	14.7	2.92	.63	.77	.91	47.5	13.9	3.27	.64	.79	.94	44.5	13.0	3.66	.66	.82	.96	41.5	12.2	4.10	.67	.85	.99
	1800	850	51.0	14.9	2.93	.65	.80	.94	48.5	14.2	3.29	.66	.82	.97	45.5	13.3	3.68	.68	.85	.99	42.5	12.5	4.11	.70	.88	1.00
71°F (22°C)	1400	660	51.5	15.1	2.94	.47	.60	.72	49.0	14.4	3.29	.47	.60	.73	46.5	13.6	3.69	.48	.62	.75	43.5	12.7	4.13	.48	.63	.78
	1600	755	52.5	15.4	2.95	.47	.62	.75	50.0	14.7	3.31	.48	.63	.76	47.5	13.9	3.70	.49	.64	.79	44.5	13.0	4.14	.50	.66	.82
	1800	850	54.0	15.8	2.97	.49	.64	.77	51.5	15.1	3.32	.49	.65	.79	48.5	14.2	3.72	.50	.66	.82	45.5	13.3	4.16	.51	.68	.85

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CR26-48N/W-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.0	11.4	2.29	36.4	10.7	2.26	33.7	9.9	2.23	31.0	9.1	2.20
1200	565	39.5	11.6	2.22	36.8	10.8	2.19	34.1	10.0	2.16	31.5	9.2	2.13
1300	615	39.9	11.7	2.16	37.3	10.9	2.13	34.6	10.1	2.10	32.0	9.4	2.07

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CR26-48N/W-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.0	15.8	3.39	40.8	12.0	3.08	26.8	7.9	2.76	18.8	5.5	2.45	9.4	2.8	1.82
1600	755	54.7	16.0	3.29	41.5	12.2	2.99	27.5	8.1	2.67	19.5	5.7	2.35	10.1	3.0	1.72
1800	850	55.3	16.2	3.21	42.1	12.3	2.91	28.1	8.2	2.59	20.1	5.9	2.27	10.7	3.1	1.64

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CR26-48N/W-F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.29	54.7	16.0
60	16	3.22	51.7	15.2
55	13	3.15	48.7	14.3
50	10	3.08	45.7	13.4
47	8	3.04	43.9	12.9
45	7	2.99	41.5	12.2
40	4	2.87	35.4	10.4
35	2	2.74	29.3	8.6
30	-1	2.71	28.4	8.3
25	-4	2.67	27.5	8.1
20	-7	2.63	26.5	7.8
17	-8	2.61	26.0	7.6
15	-9	2.58	24.8	7.3
10	-12	2.51	21.8	6.4
5	-15	2.35	19.5	5.7
0	-18	2.20	17.1	5.0
-5	-21	2.04	14.8	4.3
-10	-23	1.88	12.5	3.7
-15	-26	1.72	10.1	3.0
-20	-29	1.57	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CR26-48N-F + G60DFV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1125	530	34.8	10.2	1.58	.77	.92	1.00	33.0	9.7	1.83	.79	.95	1.00	31.2	9.1	2.11	.82	.97	1.00	29.2	8.6	2.42	.84	1.00	1.00
	1150	545	35.0	10.3	1.58	.78	.93	1.00	33.2	9.7	1.83	.80	.96	1.00	31.4	9.2	2.10	.82	.98	1.00	29.4	8.6	2.42	.85	1.00	1.00
	1310	620	36.0	10.6	1.58	.81	.97	1.00	34.2	10.0	1.82	.84	.99	1.00	32.4	9.5	2.10	.86	1.00	1.00	30.8	9.0	2.41	.89	1.00	1.00
67°F (19°C)	1125	530	37.2	10.9	1.58	.61	.75	.88	35.4	10.4	1.82	.62	.76	.91	33.6	9.8	2.09	.63	.79	.94	31.6	9.3	2.40	.65	.81	.97
	1150	545	37.4	11.0	1.58	.62	.75	.89	35.6	10.4	1.82	.62	.77	.92	33.8	9.9	2.09	.64	.79	.94	31.6	9.3	2.40	.65	.82	.97
	1310	620	38.5	11.3	1.57	.64	.79	.93	36.6	10.7	1.82	.65	.81	.96	34.6	10.1	2.09	.66	.83	.98	32.6	9.6	2.40	.68	.86	1.00
71°F (22°C)	1125	530	39.5	11.6	1.57	.46	.60	.72	37.8	11.1	1.81	.46	.60	.74	35.8	10.5	2.08	.46	.62	.76	33.8	9.9	2.39	.47	.63	.78
	1150	545	39.5	11.6	1.57	.46	.60	.73	38.0	11.1	1.81	.47	.61	.74	36.0	10.6	2.08	.47	.62	.76	34.0	10.0	2.39	.48	.63	.79
	1310	620	40.5	11.9	1.57	.48	.62	.76	39.0	11.4	1.81	.48	.63	.78	37.0	10.8	2.08	.48	.65	.80	34.8	10.2	2.38	.49	.66	.83

SECOND STAGE COOLING CAPACITY - HSXA16-048 with [CR26-48N-F + G60DFV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1560	735	48.5	14.2	2.56	.77	.91	1.00	44.0	12.9	3.23	.80	.96	1.00	41.5	12.2	3.62	.83	.98	1.00	39.0	11.4	4.06	.86	1.00	1.00
	1640	775	49.0	14.4	2.56	.78	.92	1.00	44.5	13.0	3.24	.82	.97	1.00	42.0	12.3	3.63	.84	.99	1.00	39.5	11.6	4.06	.88	1.00	1.00
	1855	875	50.0	14.7	2.57	.81	.96	1.00	45.5	13.3	3.25	.85	1.00	1.00	43.0	12.6	3.64	.88	1.00	1.00	40.5	11.9	4.08	.91	1.00	1.00
67°F (19°C)	1560	735	51.5	15.1	2.59	.61	.75	.87	47.0	13.8	3.27	.63	.78	.92	44.5	13.0	3.66	.64	.80	.95	41.5	12.2	4.10	.66	.83	.98
	1640	775	52.0	15.2	2.60	.62	.76	.89	47.5	13.9	3.28	.64	.79	.94	45.0	13.2	3.67	.65	.82	.97	42.0	12.3	4.10	.67	.85	.99
	1855	875	53.0	15.5	2.61	.64	.78	.93	48.5	14.2	3.29	.66	.82	.97	45.5	13.3	3.68	.68	.85	.99	42.5	12.5	4.11	.70	.89	1.00
71°F (22°C)	1560	735	54.5	16.0	2.62	.47	.60	.72	50.0	14.7	3.30	.47	.62	.75	47.0	13.8	3.70	.48	.63	.77	44.0	12.9	4.14	.49	.65	.80
	1640	775	55.0	16.1	2.63	.47	.61	.73	50.5	14.8	3.31	.48	.63	.77	47.5	13.9	3.70	.48	.64	.79	44.5	13.0	4.14	.49	.66	.82
	1855	875	56.0	16.4	2.64	.48	.62	.76	51.5	15.1	3.32	.49	.65	.80	48.5	14.2	3.72	.49	.66	.82	45.5	13.3	4.16	.50	.68	.86

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CR26-48N-F + G60DFV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1125	530	38.4	11.3	2.24	35.7	10.5	2.21	33.1	9.7	2.18	30.4	8.9	2.15
1150	545	38.5	11.3	2.22	35.8	10.5	2.19	33.2	9.7	2.16	30.5	8.9	2.13
1310	620	39.3	11.5	2.14	36.7	10.8	2.11	34.0	10.0	2.08	31.3	9.2	2.05

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CR26-48N-F + G60DFV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1560	735	54.0	15.8	3.30	40.8	12.0	3.00	26.8	7.9	2.68	18.8	5.5	2.37	9.6	2.8	1.75
1640	775	54.3	15.9	3.26	41.1	12.0	2.96	27.1	7.9	2.65	19.1	5.6	2.34	9.9	2.9	1.71
1855	875	54.9	16.1	3.18	41.7	12.2	2.88	27.7	8.1	2.57	19.7	5.8	2.26	10.5	3.1	1.63

HEATING PERFORMANCE at 1640 cfm (775 L/s) Indoor Coil Air Volume
HPXA16-048 with [CR26-48N-F + G60DFV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.26	54.3	15.9
60	16	3.19	51.3	15.0
55	13	3.12	48.3	14.2
50	10	3.05	45.3	13.3
47	8	3.01	43.5	12.7
45	7	2.96	41.1	12.0
40	4	2.84	35.1	10.3
35	2	2.72	29.0	8.5
30	-1	2.69	28.1	8.2
25	-4	2.65	27.1	7.9
20	-7	2.61	26.1	7.6
17	-8	2.59	25.6	7.5
15	-9	2.56	24.4	7.2
10	-12	2.49	21.4	6.3
5	-15	2.34	19.1	5.6
0	-18	2.18	16.8	4.9
-5	-21	2.02	14.5	4.2
-10	-23	1.87	12.2	3.6
-15	-26	1.71	9.9	2.9
-20	-29	1.56	7.7	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CH23-68]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	36.0	10.6	1.58	.79	.94	1.00	34.2	10.0	1.82	.81	.96	1.00	32.4	9.5	2.10	.84	.99	1.00	30.6	9.0	2.41	.87	1.00	1.00
	1200	565	36.8	10.8	1.58	.82	.97	1.00	35.0	10.3	1.82	.84	.99	1.00	33.2	9.7	2.09	.86	1.00	1.00	31.6	9.3	2.40	.90	1.00	1.00
	1300	615	37.6	11.0	1.58	.84	.99	1.00	35.8	10.5	1.82	.86	1.00	1.00	34.2	10.0	2.09	.89	1.00	1.00	32.4	9.5	2.40	.92	1.00	1.00
67°F (19°C)	1100	520	38.5	11.3	1.57	.62	.76	.90	36.6	10.7	1.82	.63	.78	.93	34.6	10.1	2.09	.65	.81	.96	32.6	9.6	2.40	.66	.83	.99
	1200	565	39.0	11.4	1.57	.64	.79	.93	37.4	11.0	1.81	.65	.81	.95	35.2	10.3	2.08	.66	.83	.98	33.2	9.7	2.39	.68	.86	1.00
	1300	615	40.0	11.7	1.57	.65	.81	.96	38.0	11.1	1.81	.66	.83	.98	35.8	10.5	2.08	.68	.86	1.00	33.6	9.8	2.39	.70	.89	1.00
71°F (22°C)	1100	520	41.0	12.0	1.57	.48	.61	.74	39.5	11.6	1.81	.47	.62	.75	37.2	10.9	2.08	.48	.63	.78	35.0	10.3	2.38	.49	.65	.80
	1200	565	42.0	12.3	1.57	.48	.62	.76	40.0	11.7	1.81	.48	.63	.78	38.0	11.1	2.07	.49	.65	.80	35.6	10.4	2.38	.50	.67	.83
	1300	615	42.5	12.5	1.57	.49	.64	.78	40.5	11.9	1.80	.49	.65	.80	38.5	11.3	2.07	.49	.67	.83	36.2	10.6	2.38	.51	.69	.86

SECOND STAGE COOLING CAPACITY - HSXA16-048 with [CH23-68]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	47.5	13.9	2.89	.78	.92	1.00	45.0	13.2	3.25	.80	.95	1.00	42.5	12.5	3.64	.83	.98	1.00	40.0	11.7	4.07	.86	1.00	1.00
	1600	755	49.0	14.4	2.91	.82	.97	1.00	46.5	13.6	3.26	.84	.99	1.00	44.0	12.9	3.66	.87	1.00	1.00	41.5	12.2	4.10	.90	1.00	1.00
	1800	850	50.5	14.8	2.93	.85	1.00	1.00	48.0	14.1	3.28	.88	1.00	1.00	46.0	13.5	3.68	.91	1.00	1.00	43.0	12.6	4.12	.94	1.00	1.00
67°F (19°C)	1400	660	50.5	14.8	2.93	.62	.76	.89	48.0	14.1	3.28	.63	.78	.92	45.5	13.3	3.67	.64	.80	.95	42.0	12.3	4.11	.66	.83	.98
	1600	755	52.0	15.2	2.95	.64	.79	.93	49.5	14.5	3.30	.65	.81	.96	46.5	13.6	3.69	.67	.84	.99	43.5	12.7	4.13	.69	.87	1.00
	1800	850	53.5	15.7	2.96	.66	.83	.97	50.5	14.8	3.31	.68	.85	.99	47.5	13.9	3.70	.69	.88	1.00	44.5	13.0	4.14	.72	.91	1.00
71°F (22°C)	1400	660	54.0	15.8	2.97	.47	.60	.73	51.5	15.1	3.32	.47	.61	.75	48.5	14.2	3.71	.48	.63	.77	45.0	13.2	4.15	.49	.65	.80
	1600	755	55.5	16.3	2.99	.48	.63	.77	52.5	15.4	3.34	.48	.64	.79	49.5	14.5	3.73	.49	.66	.81	46.5	13.6	4.17	.50	.68	.85
	1800	850	57.0	16.7	3.00	.49	.65	.80	54.0	15.8	3.36	.50	.66	.82	51.0	14.9	3.75	.50	.68	.85	47.5	13.9	4.19	.52	.71	.89

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CH23-68]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	40.1	11.8	2.09	37.3	10.9	2.07	34.5	10.1	2.05	31.7	9.3	2.03
1200	565	40.6	11.9	2.03	37.8	11.1	2.01	35.0	10.3	1.99	32.2	9.4	1.97
1300	615	41.1	12.0	1.98	38.3	11.2	1.96	35.5	10.4	1.94	32.7	9.6	1.92

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CH23-68]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	55.4	16.2	3.12	41.8	12.3	2.86	27.3	8.0	2.60	19.0	5.6	2.32	9.6	2.8	1.72
1600	755	56.1	16.4	3.02	42.5	12.5	2.77	28.0	8.2	2.50	19.7	5.8	2.23	10.3	3.0	1.63
1800	850	56.7	16.6	2.95	43.1	12.6	2.70	28.6	8.4	2.43	20.3	5.9	2.16	10.9	3.2	1.56

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CH23-68]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.02	56.1	16.4
60	16	2.96	53.0	15.5
55	13	2.90	49.9	14.6
50	10	2.85	46.8	13.7
47	8	2.81	45.0	13.2
45	7	2.77	42.5	12.5
40	4	2.66	36.2	10.6
35	2	2.56	30.0	8.8
30	-1	2.53	29.0	8.5
25	-4	2.50	28.0	8.2
20	-7	2.48	27.0	7.9
17	-8	2.46	26.4	7.7
15	-9	2.44	25.1	7.4
10	-12	2.38	22.0	6.4
5	-15	2.23	19.7	5.8
0	-18	2.08	17.3	5.1
-5	-21	1.93	15.0	4.4
-10	-23	1.78	12.6	3.7
-15	-26	1.63	10.3	3.0
-20	-29	1.48	7.9	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CH33-62D-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.6	10.4	1.58	.78	.92	1.00	33.8	9.9	1.83	.80	.95	1.00	32.0	9.4	2.10	.83	.98	1.00	30.2	8.9	2.42	.85	1.00	1.00
	1200	565	36.4	10.7	1.58	.80	.95	1.00	34.6	10.1	1.82	.82	.98	1.00	32.8	9.6	2.10	.85	1.00	1.00	31.0	9.1	2.41	.88	1.00	1.00
	1300	615	37.0	10.8	1.58	.82	.98	1.00	35.2	10.3	1.82	.84	1.00	1.00	33.6	9.8	2.09	.87	1.00	1.00	31.8	9.3	2.40	.90	1.00	1.00
67°F (19°C)	1100	520	38.0	11.1	1.58	.62	.76	.89	36.2	10.6	1.82	.63	.77	.91	34.2	10.0	2.09	.64	.80	.94	32.2	9.4	2.40	.66	.82	.97
	1200	565	39.0	11.4	1.57	.63	.78	.91	37.0	10.8	1.82	.65	.80	.94	34.8	10.2	2.08	.66	.82	.97	32.8	9.6	2.40	.68	.85	1.00
	1300	615	39.5	11.6	1.57	.65	.79	.94	37.6	11.0	1.81	.66	.82	.97	35.6	10.4	2.08	.68	.84	.99	33.4	9.8	2.39	.69	.87	1.00
71°F (22°C)	1100	520	40.5	11.9	1.57	.48	.61	.73	38.5	11.3	1.81	.48	.62	.75	36.4	10.7	2.08	.49	.63	.77	34.4	10.1	2.38	.49	.65	.79
	1200	565	41.0	12.0	1.57	.48	.62	.75	39.5	11.6	1.81	.49	.63	.77	37.2	10.9	2.07	.49	.64	.79	35.2	10.3	2.38	.50	.66	.82
	1300	615	42.0	12.3	1.57	.49	.63	.77	40.0	11.7	1.81	.49	.64	.79	38.0	11.1	2.07	.50	.66	.81	35.6	10.4	2.38	.51	.68	.84

SECOND STAGE COOLING CAPACITY - HSXA16-048 with [CH33-62D-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	47.0	13.8	2.89	.77	.91	1.00	44.5	13.0	3.24	.79	.93	1.00	42.0	12.3	3.63	.81	.96	1.00	39.5	11.6	4.06	.84	1.00	1.00
	1600	755	48.5	14.2	2.90	.80	.95	1.00	46.0	13.5	3.26	.82	.97	1.00	43.5	12.7	3.65	.85	1.00	1.00	41.0	12.0	4.09	.88	1.00	1.00
	1800	850	50.0	14.7	2.92	.83	.98	1.00	47.0	13.8	3.27	.85	1.00	1.00	44.5	13.0	3.67	.88	1.00	1.00	42.0	12.3	4.11	.91	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	2.92	.62	.75	.87	47.5	13.9	3.27	.63	.76	.89	45.0	13.2	3.66	.64	.78	.92	42.0	12.3	4.10	.66	.81	.96
	1600	755	51.5	15.1	2.94	.63	.77	.91	49.0	14.4	3.29	.64	.79	.94	46.0	13.5	3.68	.66	.82	.97	43.0	12.6	4.12	.68	.85	1.00
	1800	850	53.0	15.5	2.96	.65	.80	.95	50.0	14.7	3.31	.66	.82	.98	47.0	13.8	3.70	.68	.85	1.00	44.0	12.9	4.14	.70	.89	1.00
71°F (22°C)	1400	660	53.0	15.5	2.96	.47	.60	.72	50.5	14.8	3.31	.48	.61	.74	47.5	13.9	3.70	.48	.62	.76	44.5	13.0	4.15	.49	.64	.78
	1600	755	54.5	16.0	2.97	.48	.62	.75	52.0	15.2	3.33	.49	.63	.77	49.0	14.4	3.73	.50	.64	.79	46.0	13.5	4.17	.50	.66	.82
	1800	850	56.0	16.4	2.99	.49	.64	.78	53.0	15.5	3.35	.50	.65	.80	50.0	14.7	3.74	.50	.67	.83	47.0	13.8	4.18	.51	.69	.86

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CH33-62D-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.1	11.5	2.26	36.5	10.7	2.24	33.8	9.9	2.21	31.1	9.1	2.18
1200	565	39.6	11.6	2.20	36.9	10.8	2.17	34.3	10.1	2.15	31.6	9.3	2.12
1300	615	40.1	11.8	2.13	37.4	11.0	2.11	34.7	10.2	2.08	32.0	9.4	2.06

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CH33-62D-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.2	15.9	3.35	40.8	12.0	3.07	26.6	7.8	2.79	18.5	5.4	2.49	9.3	2.7	1.85
1600	755	55.0	16.1	3.24	41.6	12.2	2.96	27.4	8.0	2.68	19.3	5.7	2.38	10.1	3.0	1.74
1800	850	55.6	16.3	3.15	42.2	12.4	2.88	28.0	8.2	2.59	19.9	5.8	2.30	10.7	3.1	1.66

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CH33-62D-2F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.24	55.0	16.1
60	16	3.17	51.9	15.2
55	13	3.11	48.9	14.3
50	10	3.05	45.9	13.5
47	8	3.01	44.1	12.9
45	7	2.96	41.6	12.2
40	4	2.85	35.5	10.4
35	2	2.74	29.4	8.6
30	-1	2.71	28.4	8.3
25	-4	2.68	27.4	8.0
20	-7	2.65	26.5	7.8
17	-8	2.63	25.9	7.6
15	-9	2.61	24.7	7.2
10	-12	2.54	21.7	6.4
5	-15	2.38	19.3	5.7
0	-18	2.22	17.0	5.0
-5	-21	2.06	14.7	4.3
-10	-23	1.90	12.4	3.6
-15	-26	1.74	10.1	3.0
-20	-29	1.58	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CH33-62D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1065	505	35.2	10.3	1.58	.77	.91	1.00	33.4	9.8	1.83	.79	.93	1.00	31.6	9.3	2.10	.81	.96	1.00	29.6	8.7	2.42	.83	.99	1.00
	1140	540	35.8	10.5	1.58	.78	.93	1.00	34.0	10.0	1.83	.80	.96	1.00	32.0	9.4	2.10	.83	.98	1.00	30.2	8.9	2.41	.85	1.00	1.00
	1220	575	36.4	10.7	1.58	.80	.95	1.00	34.6	10.1	1.82	.82	.98	1.00	32.8	9.6	2.10	.85	1.00	1.00	31.0	9.1	2.41	.88	1.00	1.00
67°F (19°C)	1065	505	37.4	11.0	1.58	.61	.74	.87	35.6	10.4	1.82	.62	.76	.89	33.8	9.9	2.09	.63	.78	.92	31.8	9.3	2.40	.65	.80	.95
	1140	540	38.0	11.1	1.58	.62	.76	.89	36.2	10.6	1.82	.63	.77	.91	34.4	10.1	2.09	.64	.80	.94	32.2	9.4	2.40	.66	.82	.98
	1220	575	39.0	11.4	1.57	.63	.77	.91	37.0	10.8	1.81	.64	.80	.94	35.0	10.3	2.08	.66	.82	.97	32.8	9.6	2.40	.68	.85	1.00
71°F (22°C)	1065	505	40.0	11.7	1.57	.46	.59	.71	38.0	11.1	1.81	.47	.60	.73	36.0	10.6	2.08	.47	.61	.75	34.0	10.0	2.39	.48	.63	.77
	1140	540	40.5	11.9	1.57	.47	.60	.73	38.5	11.3	1.81	.47	.61	.75	36.6	10.7	2.08	.48	.63	.77	34.6	10.1	2.38	.48	.64	.79
	1220	575	41.0	12.0	1.57	.48	.62	.75	39.5	11.6	1.81	.48	.63	.77	37.2	10.9	2.07	.49	.64	.79	35.2	10.3	2.38	.50	.66	.82

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CH33-62D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1520	720	50.0	14.7	2.57	.77	.90	1.00	45.5	13.3	3.25	.80	.95	1.00	43.0	12.6	3.64	.83	.98	1.00	40.0	11.7	4.07	.86	1.00	1.00
	1630	770	51.0	14.9	2.58	.78	.92	1.00	46.0	13.5	3.26	.82	.97	1.00	43.5	12.7	3.65	.85	1.00	1.00	41.0	12.0	4.09	.88	1.00	1.00
	1765	830	52.0	15.2	2.59	.80	.95	1.00	47.0	13.8	3.27	.84	1.00	1.00	44.5	13.0	3.66	.87	1.00	1.00	42.0	12.3	4.10	.90	1.00	1.00
67°F (19°C)	1520	720	53.0	15.5	2.61	.61	.74	.87	48.5	14.2	3.28	.63	.78	.91	45.5	13.3	3.67	.64	.80	.95	42.5	12.5	4.11	.66	.83	.98
	1630	770	54.0	15.8	2.62	.62	.76	.89	49.0	14.4	3.29	.64	.79	.94	46.0	13.5	3.69	.66	.82	.97	43.0	12.6	4.12	.68	.85	1.00
	1765	830	55.0	16.1	2.63	.63	.77	.91	50.0	14.7	3.30	.66	.81	.96	47.0	13.8	3.69	.67	.84	.99	44.0	12.9	4.13	.69	.87	1.00
71°F (22°C)	1520	720	56.0	16.4	2.64	.47	.60	.72	51.0	14.9	3.32	.48	.62	.75	48.5	14.2	3.72	.48	.63	.77	45.5	13.3	4.16	.49	.65	.80
	1630	770	57.0	16.7	2.65	.47	.60	.73	52.0	15.2	3.33	.48	.63	.77	49.0	14.4	3.73	.49	.64	.79	46.0	13.5	4.17	.50	.66	.82
	1765	830	58.0	17.0	2.66	.48	.62	.75	53.0	15.5	3.34	.49	.64	.79	50.0	14.7	3.74	.50	.66	.81	46.5	13.6	4.18	.51	.68	.85

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CH33-62D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1065	505	38.3	11.2	2.27	35.6	10.4	2.25	32.9	9.6	2.22	30.2	8.9	2.19
1140	540	38.7	11.3	2.22	36.0	10.6	2.19	33.3	9.8	2.16	30.6	9.0	2.14
1220	575	39.4	11.5	2.18	36.7	10.8	2.15	34.0	10.0	2.13	31.3	9.2	2.10

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CH33-62D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1520	715	54.0	15.8	3.26	40.6	11.9	2.99	26.5	7.8	2.71	18.4	5.4	2.42	9.4	2.8	1.78
1630	770	54.5	16.0	3.21	41.1	12.0	2.94	27.0	7.9	2.66	18.9	5.5	2.37	9.9	2.9	1.73
1765	830	55.0	16.1	3.15	41.6	12.2	2.88	27.5	8.1	2.60	19.4	5.7	2.31	10.4	3.0	1.67

HEATING PERFORMANCE at 1630 cfm (770 L/s) Indoor Coil Air Volume
HPXA16-048 with [CH33-62D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.21	54.5	16.0
60	16	3.14	51.4	15.1
55	13	3.08	48.4	14.2
50	10	3.02	45.4	13.3
47	8	2.98	43.6	12.8
45	7	2.94	41.1	12.0
40	4	2.83	35.0	10.3
35	2	2.72	29.0	8.5
30	-1	2.69	28.0	8.2
25	-4	2.66	27.0	7.9
20	-7	2.63	26.0	7.6
17	-8	2.61	25.4	7.4
15	-9	2.59	24.2	7.1
10	-12	2.52	21.1	6.2
5	-15	2.37	18.9	5.5
0	-18	2.21	16.6	4.9
-5	-21	2.05	14.4	4.2
-10	-23	1.89	12.1	3.5
-15	-26	1.73	9.9	2.9
-20	-29	1.57	7.6	2.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-048 with [CH33-62D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	890	420	33.4	9.8	1.59	.74	.86	.98	31.8	9.3	1.84	.75	.88	1.00	30.2	8.9	2.11	.77	.91		28.2	8.3	2.43	.79	.94	1.00
	1085	510	35.4	10.4	1.58	.77	.91	1.00	33.6	9.8	1.83	.79	.94	1.00	31.8	9.3	2.10	.81	.97	1.00	29.8	8.7	2.42	.84	1.00	1.00
	1225	580	36.4	10.7	1.58	.80	.95	1.00	34.6	10.1	1.82	.82	.98	1.00	32.8	9.6	2.10	.85	1.00	1.00	31.0	9.1	2.41	.88	1.00	1.00
67°F (19°C)	890	420	35.6	10.4	1.58	.59	.71	.82	34.0	10.0	1.83	.60	.72	.84	32.2	9.4	2.10	.61	.74	.87	30.2	8.9	2.41	.62	.76	.90
	1085	510	37.6	11.0	1.58	.61	.75	.87	35.8	10.5	1.82	.62	.76	.90	34.0	10.0	2.09	.63	.78	.93	31.8	9.3	2.40	.65	.81	.96
	1225	580	39.0	11.4	1.57	.63	.77	.91	37.0	10.8	1.81	.64	.79	.94	35.0	10.3	2.08	.66	.82	.97	32.8	9.6	2.40	.67	.85	1.00
71°F (22°C)	890	420	38.0	11.1	1.58	.46	.57	.68	36.2	10.6	1.82	.46	.58	.70	34.4	10.1	2.09	.46	.59	.71	32.6	9.6	2.40	.47	.60	.73
	1085	510	40.0	11.7	1.57	.47	.60	.72	38.0	11.1	1.81	.47	.60	.73	36.2	10.6	2.08	.47	.62	.75	34.2	10.0	2.39	.48	.63	.78
	1225	580	41.0	12.0	1.57	.48	.61	.75	39.5	11.6	1.81	.48	.63	.77	37.2	10.9	2.07	.49	.64	.79	35.2	10.3	2.38	.49	.66	.82

SECOND STAGE COOLING CAPACITY - HPXA16-048 with [CH33-62D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1415	670	47.0	13.8	2.89	.77	.91	1.00	44.5	13.0	3.24	.79	.93	1.00	42.0	12.3	3.63	.81	.96	1.00	39.5	11.6	4.06	.84	.99	1.00
	1600	755	48.5	14.2	2.90	.80	.94	1.00	46.0	13.5	3.26	.82	.97	1.00	43.5	12.7	3.64	.84	1.00	1.00	41.0	12.0	4.09	.87	1.00	1.00
	1730	815	49.5	14.5	2.91	.81	.97	1.00	46.5	13.6	3.26	.83	.99	1.00	44.0	12.9	3.66	.86	1.00	1.00	41.5	12.2	4.10	.90	1.00	1.00
67°F (19°C)	1415	670	50.0	14.7	2.92	.61	.74	.87	47.5	13.9	3.27	.62	.76	.89	44.5	13.0	3.67	.64	.78	.92	42.0	12.3	4.10	.65	.81	.96
	1600	755	51.5	15.1	2.94	.63	.77	.91	49.0	14.4	3.29	.64	.79	.93	46.0	13.5	3.68	.66	.82	.97	43.0	12.6	4.12	.68	.85	1.00
	1730	815	52.0	15.2	2.95	.64	.79	.93	49.5	14.5	3.30	.65	.81	.96	46.5	13.6	3.69	.67	.84	.99	43.5	12.7	4.13	.69	.87	1.00
71°F (22°C)	1415	670	53.0	15.5	2.96	.47	.60	.72	50.5	14.8	3.31	.47	.61	.74	47.5	13.9	3.70	.48	.62	.76	44.5	13.0	4.15	.49	.64	.78
	1600	755	54.5	16.0	2.97	.48	.62	.75	52.0	15.2	3.33	.48	.63	.77	49.0	14.4	3.72	.49	.64	.79	46.0	13.5	4.17	.50	.66	.82
	1730	815	55.5	16.3	2.99	.48	.63	.76	52.5	15.4	3.34	.49	.64	.78	49.5	14.5	3.73	.49	.66	.81	46.5	13.6	4.18	.50	.68	.84

FIRST STAGE HEATING CAPACITY - HPXA16-048 with [CH33-62D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
890	420	37.3	10.9	2.45	34.7	10.2	2.42	32.0	9.4	2.39	29.4	8.6	2.36
1085	510	38.4	11.3	2.26	35.8	10.5	2.23	33.1	9.7	2.20	30.5	8.9	2.17
1225	580	39.2	11.5	2.17	36.6	10.7	2.14	33.9	9.9	2.11	31.3	9.2	2.08

SECOND STAGE HEATING CAPACITY - HPXA16-048 with [CH33-62D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1415	670	53.7	15.7	3.34	40.4	11.8	3.07	26.3	7.7	2.78	18.2	5.3	2.49	9.1	2.7	1.85
1600	755	54.6	16.0	3.23	41.3	12.1	2.96	27.2	8.0	2.67	19.1	5.6	2.38	10.0	2.9	1.74
1730	815	54.8	16.1	3.17	41.5	12.2	2.90	27.4	8.0	2.61	19.3	5.7	2.32	10.2	3.0	1.68

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
HPXA16-048 with [CH33-62D-2F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.23	54.6	16.0
60	16	3.17	51.6	15.1
55	13	3.10	48.6	14.2
50	10	3.04	45.6	13.4
47	8	3.00	43.8	12.8
45	7	2.96	41.3	12.1
40	4	2.84	35.2	10.3
35	2	2.73	29.1	8.5
30	-1	2.70	28.1	8.2
25	-4	2.67	27.2	8.0
20	-7	2.64	26.2	7.7
17	-8	2.63	25.6	7.5
15	-9	2.60	24.4	7.2
10	-12	2.54	21.4	6.3
5	-15	2.38	19.1	5.6
0	-18	2.22	16.8	4.9
-5	-21	2.06	14.5	4.2
-10	-23	1.90	12.2	3.6
-15	-26	1.74	10.0	2.9
-20	-29	1.58	7.7	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CBX32MV-048] [CB31MV-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1295	610	43.0	12.6	2.05	.76	.91	1.00	41.0	12.0	2.39	.78	.94	1.00	39.0	11.4	2.78	.80	.96	1.00	36.4	10.7	3.22	.82	.99	1.00
	1400	660	44.0	12.9	2.04	.78	.94	1.00	41.5	12.2	2.39	.80	.96	1.00	39.5	11.6	2.77	.82	.98	1.00	37.2	10.9	3.21	.85	1.00	1.00
	1505	710	44.5	13.0	2.04	.80	.96	1.00	42.5	12.5	2.38	.82	.98	1.00	40.0	11.7	2.77	.84	1.00	1.00	38.0	11.1	3.21	.87	1.00	1.00
67°F (19°C)	1295	610	46.0	13.5	2.04	.60	.74	.87	43.5	12.7	2.38	.61	.75	.90	41.5	12.2	2.76	.62	.77	.92	39.0	11.4	3.20	.63	.80	.96
	1400	660	46.5	13.6	2.04	.61	.76	.90	44.5	13.0	2.37	.62	.77	.92	42.0	12.3	2.75	.63	.80	.95	39.5	11.6	3.19	.65	.82	.98
	1505	710	47.5	13.9	2.04	.62	.77	.92	45.0	13.2	2.37	.63	.79	.95	42.5	12.5	2.75	.65	.82	.97	40.0	11.7	3.19	.66	.84	1.00
71°F (22°C)	1295	610	48.5	14.2	2.03	.45	.58	.71	46.5	13.6	2.37	.45	.59	.73	44.0	12.9	2.74	.46	.61	.75	41.5	12.2	3.17	.46	.62	.77
	1400	660	49.5	14.5	2.03	.46	.60	.73	47.0	13.8	2.36	.46	.61	.75	44.5	13.0	2.74	.46	.62	.77	42.0	12.3	3.17	.47	.63	.79
	1505	710	50.0	14.7	2.03	.46	.61	.75	48.0	14.1	2.36	.46	.62	.77	45.5	13.3	2.73	.47	.63	.79	42.5	12.5	3.16	.47	.65	.82

SECOND STAGE COOLING CAPACITY - HPXA16-060 with [CBX32MV-048] [CB31MV-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1850	875	58.5	17.1	3.70	.78	.93	1.00	55.0	16.1	4.15	.80	.96	1.00	52.0	15.2	4.65	.82	.98	1.00	48.5	14.2	5.20	.85	1.00	1.00
	2000	945	59.0	17.3	3.71	.79	.95	1.00	56.0	16.4	4.16	.82	.98	1.00	52.5	15.4	4.66	.84	1.00	1.00	49.5	14.5	5.22	.87	1.00	1.00
	2150	1015	60.0	17.6	3.72	.81	.97	1.00	57.0	16.7	4.17	.84	.99	1.00	53.5	15.7	4.67	.86	1.00	1.00	50.5	14.8	5.24	.90	1.00	1.00
67°F (19°C)	1850	875	62.0	18.2	3.75	.61	.75	.89	58.5	17.1	4.20	.62	.77	.92	55.5	16.3	4.70	.63	.79	.95	51.5	15.1	5.26	.65	.82	.98
	2000	945	63.0	18.5	3.76	.62	.77	.92	59.5	17.4	4.21	.63	.79	.95	56.0	16.4	4.71	.65	.82	.97	52.0	15.2	5.27	.66	.85	1.00
	2150	1015	63.5	18.6	3.78	.63	.79	.94	60.5	17.7	4.22	.64	.81	.97	56.5	16.6	4.72	.66	.84	.99	53.0	15.5	5.28	.68	.87	1.00
71°F (22°C)	1850	875	65.0	19.0	3.80	.46	.60	.73	62.0	18.2	4.25	.46	.61	.75	58.5	17.1	4.76	.46	.62	.77	54.5	16.0	5.32	.47	.64	.80
	2000	945	66.0	19.3	3.81	.46	.61	.75	63.0	18.5	4.27	.46	.62	.77	59.5	17.4	4.77	.47	.63	.79	55.5	16.3	5.33	.48	.65	.82
	2150	1015	67.0	19.6	3.83	.47	.62	.76	64.0	18.8	4.28	.47	.63	.79	60.0	17.6	4.78	.47	.65	.81	56.0	16.4	5.35	.48	.67	.84

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CBX32MV-048] [CB31MV-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1295	610	47.8	14.0	2.84	44.8	13.1	2.81	41.7	12.2	2.78	38.6	11.3	2.75
1400	660	48.4	14.2	2.76	45.3	13.3	2.73	42.2	12.4	2.70	39.1	11.5	2.67
1505	710	49.0	14.4	2.69	45.9	13.5	2.66	42.8	12.5	2.63	39.7	11.6	2.60

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CBX32MV-048] [CB31MV-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1850	875	65.9	19.3	4.02	49.9	14.6	3.78	32.9	9.6	3.56	23.7	6.9	3.09	12.1	3.5	2.27
2000	945	66.3	19.4	3.95	50.3	14.7	3.71	33.3	9.8	3.48	24.1	7.1	3.02	12.5	3.7	2.19
2150	1015	66.9	19.6	3.89	50.9	14.9	3.65	33.9	9.9	3.42	24.7	7.2	2.96	13.1	3.8	2.13

HEATING PERFORMANCE at 2000 cfm (945 L/s) Indoor Coil Air Volume
HPXA16-060 with [CBX32MV-048] [CB31MV-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.95	66.3	19.4
60	16	3.88	62.7	18.4
55	13	3.81	59.1	17.3
50	10	3.75	55.6	16.3
47	8	3.71	53.4	15.6
45	7	3.71	50.3	14.7
40	4	3.70	42.6	12.5
35	2	3.69	34.8	10.2
30	-1	3.59	34.0	10.0
25	-4	3.48	33.3	9.8
20	-7	3.38	32.5	9.5
17	-8	3.31	32.0	9.4
15	-9	3.29	30.6	9.0
10	-12	3.22	27.0	7.9
5	-15	3.02	24.1	7.1
0	-18	2.81	21.2	6.2
-5	-21	2.61	18.3	5.4
-10	-23	2.40	15.4	4.5
-15	-26	2.19	12.5	3.7
-20	-29	1.99	9.6	2.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CBX32MV-060] [CB31MV-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1295	610	43.0	12.6	2.05	.76	.91	1.00	41.0	12.0	2.39	.78	.93	1.00	39.0	11.4	2.78	.80	.95	1.00	36.6	10.7	3.22	.82	.98	1.00
	1400	660	44.0	12.9	2.05	.78	.93	1.00	42.0	12.3	2.39	.80	.95	1.00	39.5	11.6	2.77	.82	.98	1.00	37.4	11.0	3.21	.85	1.00	1.00
	1505	710	44.5	13.0	2.04	.80	.95	1.00	42.5	12.5	2.38	.82	.97	1.00	40.5	11.9	2.76	.84	1.00	1.00	38.0	11.1	3.21	.87	1.00	1.00
67°F (19°C)	1295	610	46.0	13.5	2.04	.60	.74	.87	44.0	12.9	2.38	.61	.75	.89	41.5	12.2	2.76	.62	.77	.92	39.0	11.4	3.19	.64	.80	.95
	1400	660	46.5	13.6	2.04	.61	.76	.89	44.5	13.0	2.37	.62	.77	.92	42.0	12.3	2.75	.63	.79	.94	39.5	11.6	3.19	.65	.82	.97
	1505	710	47.5	13.9	2.03	.62	.77	.92	45.0	13.2	2.37	.63	.79	.94	42.5	12.5	2.75	.64	.81	.97	40.5	11.9	3.18	.66	.84	.99
71°F (22°C)	1295	610	48.5	14.2	2.03	.46	.59	.71	46.5	13.6	2.37	.46	.60	.73	44.0	12.9	2.74	.46	.61	.75	41.5	12.2	3.17	.47	.62	.77
	1400	660	49.5	14.5	2.03	.46	.60	.73	47.0	13.8	2.36	.46	.61	.75	45.0	13.2	2.74	.47	.62	.77	42.5	12.5	3.17	.47	.63	.79
	1505	710	50.0	14.7	2.03	.46	.61	.75	48.0	14.1	2.36	.47	.62	.76	45.5	13.3	2.73	.47	.63	.79	43.0	12.6	3.16	.48	.65	.81

SECOND STAGE COOLING CAPACITY - HPXA16-060 with [CBX32MV-060] [CB31MV-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1850	875	58.5	17.1	3.70	.77	.92	1.00	55.5	16.3	4.15	.79	.95	1.00	52.5	15.4	4.65	.81	.97	1.00	49.0	14.4	5.21	.84	1.00	1.00
	2000	945	59.5	17.4	3.72	.79	.94	1.00	56.5	16.6	4.16	.81	.97	1.00	53.0	15.5	4.66	.84	.99	1.00	49.5	14.5	5.22	.87	1.00	1.00
	2150	1015	60.5	17.7	3.73	.81	.96	1.00	57.5	16.9	4.18	.83	.99	1.00	54.0	15.8	4.68	.86	1.00	1.00	51.0	14.9	5.24	.89	1.00	1.00
67°F (19°C)	1850	875	62.0	18.2	3.75	.61	.75	.89	59.0	17.3	4.20	.62	.77	.91	55.5	16.3	4.70	.63	.79	.94	52.0	15.2	5.26	.65	.82	.97
	2000	945	63.0	18.5	3.76	.62	.77	.91	60.0	17.6	4.22	.63	.79	.93	56.5	16.6	4.72	.64	.81	.96	52.5	15.4	5.28	.66	.84	.99
	2150	1015	64.0	18.8	3.78	.63	.78	.93	60.5	17.7	4.23	.64	.80	.96	57.0	16.7	4.73	.66	.83	.98	53.0	15.5	5.29	.68	.86	1.00
71°F (22°C)	1850	875	66.0	19.3	3.80	.46	.59	.72	62.5	18.3	4.25	.46	.60	.74	59.0	17.3	4.76	.47	.62	.76	55.0	16.1	5.32	.47	.64	.79
	2000	945	67.0	19.6	3.82	.46	.61	.74	63.5	18.6	4.27	.47	.62	.76	60.0	17.6	4.77	.47	.63	.78	56.0	16.4	5.34	.48	.65	.81
	2150	1015	68.0	19.9	3.83	.47	.62	.76	64.5	18.9	4.28	.47	.63	.78	60.5	17.7	4.78	.48	.64	.81	56.5	16.6	5.35	.49	.66	.84

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CBX32MV-060] [CB31MV-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1295	610	48.4	14.2	2.94	45.2	13.2	2.92	42.1	12.3	2.89	38.9	11.4	2.87
1400	660	49.0	14.4	2.86	45.8	13.4	2.83	42.7	12.5	2.81	39.5	11.6	2.78
1505	710	49.6	14.5	2.78	46.4	13.6	2.76	43.2	12.7	2.73	40.1	11.8	2.71

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CBX32MV-060] [CB31MV-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1850	875	66.6	19.5	4.15	50.4	14.8	3.90	33.1	9.7	3.66	24.0	7.0	3.20	12.2	3.6	2.34
2000	945	67.0	19.6	4.08	50.8	14.9	3.83	33.5	9.8	3.59	24.4	7.2	3.13	12.6	3.7	2.27
2150	1015	67.6	19.8	4.01	51.4	15.1	3.76	34.1	10.0	3.52	25.0	7.3	3.05	13.2	3.9	2.20

HEATING PERFORMANCE at 2000 cfm (945 L/s) Indoor Coil Air Volume
HPXA16-060 with [CBX32MV-060] [CB31MV-65]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.08	67.0	19.6
60	16	4.01	63.4	18.6
55	13	3.95	59.8	17.5
50	10	3.88	56.2	16.5
47	8	3.84	54.0	15.8
45	7	3.83	50.8	14.9
40	4	3.81	42.9	12.6
35	2	3.79	35.0	10.3
30	-1	3.69	34.3	10.1
25	-4	3.59	33.5	9.8
20	-7	3.49	32.8	9.6
17	-8	3.43	32.4	9.5
15	-9	3.41	30.9	9.1
10	-12	3.34	27.3	8.0
5	-15	3.13	24.4	7.2
0	-18	2.91	21.4	6.3
-5	-21	2.70	18.5	5.4
-10	-23	2.49	15.6	4.6
-15	-26	2.27	12.6	3.7
-20	-29	2.06	9.7	2.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CBX32M-048] [CB30M-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.0	12.6	2.05	.77	.91	1.00	41.0	12.0	2.39	.78	.94	1.00	39.0	11.4	2.78	.80	.96	1.00	36.4	10.7	3.22	.83	.99	1.00
	1400	660	44.0	12.9	2.04	.78	.94	1.00	41.5	12.2	2.39	.80	.96	1.00	39.5	11.6	2.77	.82	.98	1.00	37.2	10.9	3.21	.85	1.00	1.00
	1500	710	44.5	13.0	2.04	.80	.96	1.00	42.5	12.5	2.38	.82	.98	1.00	40.0	11.7	2.77	.84	1.00	1.00	38.0	11.1	3.21	.87	1.00	1.00
67°F (19°C)	1300	615	46.0	13.5	2.04	.60	.74	.87	44.0	12.9	2.38	.61	.76	.90	41.5	12.2	2.76	.62	.77	.93	39.0	11.4	3.20	.63	.80	.96
	1400	660	46.5	13.6	2.04	.61	.76	.90	44.5	13.0	2.37	.62	.77	.92	42.0	12.3	2.75	.63	.80	.95	39.5	11.6	3.19	.65	.82	.98
	1500	710	47.5	13.9	2.03	.62	.77	.92	45.0	13.2	2.37	.63	.79	.95	42.5	12.5	2.75	.65	.82	.97	40.0	11.7	3.19	.66	.84	1.00
71°F (22°C)	1300	615	48.5	14.2	2.03	.45	.59	.71	46.5	13.6	2.37	.45	.60	.73	44.0	12.9	2.74	.46	.61	.75	41.5	12.2	3.17	.46	.62	.77
	1400	660	49.5	14.5	2.03	.46	.60	.73	47.0	13.8	2.36	.46	.61	.75	44.5	13.0	2.74	.46	.62	.77	42.0	12.3	3.17	.47	.63	.79
	1500	710	50.0	14.7	2.03	.46	.61	.75	48.0	14.1	2.36	.46	.62	.77	45.5	13.3	2.74	.47	.63	.79	42.5	12.5	3.16	.47	.65	.81

SECOND STAGE COOLING CAPACITY - HPXA16-060 with [CBX32M-048] [CB30M-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1650	780	57.0	16.7	3.68	.75	.89	1.00	54.0	15.8	4.13	.77	.92	1.00	50.5	14.8	4.63	.79	.95	1.00	47.0	13.8	5.18	.82	.98	1.00
	1850	875	58.5	17.1	3.70	.78	.93	1.00	55.0	16.1	4.15	.80	.96	1.00	52.0	15.2	4.65	.82	.98	1.00	48.0	14.1	5.20	.85	1.00	1.00
	2050	970	59.5	17.4	3.72	.80	.96	1.00	56.5	16.6	4.16	.82	.98	1.00	53.0	15.5	4.66	.85	1.00	1.00	49.5	14.5	5.23	.88	1.00	1.00
67°F (19°C)	1650	780	60.5	17.7	3.73	.59	.73	.86	57.5	16.9	4.18	.60	.74	.88	54.0	15.8	4.68	.61	.77	.91	50.5	14.8	5.24	.63	.79	.95
	1850	875	62.0	18.2	3.75	.61	.75	.89	58.5	17.1	4.20	.62	.77	.92	55.5	16.3	4.70	.63	.79	.95	51.5	15.1	5.26	.65	.82	.98
	2050	970	63.0	18.5	3.77	.62	.78	.93	60.0	17.6	4.22	.64	.80	.95	56.0	16.4	4.72	.65	.82	.98	52.5	15.4	5.28	.67	.85	1.00
71°F (22°C)	1650	780	64.0	18.8	3.77	.45	.58	.70	60.5	17.7	4.23	.45	.59	.72	57.0	16.7	4.73	.46	.60	.74	53.5	15.7	5.29	.46	.62	.76
	1850	875	65.0	19.0	3.80	.46	.60	.73	62.0	18.2	4.25	.46	.61	.75	58.5	17.1	4.76	.46	.62	.77	54.5	16.0	5.32	.47	.64	.80
	2050	970	67.0	19.6	3.82	.46	.61	.75	63.5	18.6	4.27	.47	.62	.77	60.0	17.6	4.78	.47	.64	.80	55.5	16.3	5.33	.48	.66	.83

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CBX32M-048] [CB30M-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1300	615	48.3	14.2	2.87	45.5	13.3	2.78	42.6	12.5	2.70	39.8	11.7	2.61
1400	660	48.0	14.1	2.97	45.2	13.2	2.88	42.3	12.4	2.80	39.5	11.6	2.71
1500	710	49.6	14.5	2.72	46.8	13.7	2.63	43.9	12.9	2.54	41.1	12.0	2.46

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CBX32M-048] [CB30M-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1650	780	64.1	18.8	4.15	49.5	14.5	3.89	33.7	9.9	3.65	24.9	7.3	3.17	12.4	3.6	2.34
1850	875	64.9	19.0	4.04	50.3	14.7	3.78	34.5	10.1	3.53	25.7	7.5	3.05	13.2	3.9	2.22
2050	970	65.3	19.1	3.94	50.7	14.9	3.68	34.9	10.2	3.44	26.1	7.6	2.96	13.6	4.0	2.13

HEATING PERFORMANCE at 1850 cfm (875 L/s) Indoor Coil Air Volume
HPXA16-048 with [CBX32M-048] [CB30M-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.04	64.9	19.0
60	16	3.97	61.7	18.1
55	13	3.90	58.4	17.1
50	10	3.83	55.1	16.1
47	8	3.78	53.1	15.6
45	7	3.78	50.3	14.7
40	4	3.77	43.0	12.6
35	2	3.75	35.8	10.5
30	-1	3.64	35.2	10.3
25	-4	3.53	34.5	10.1
20	-7	3.42	33.9	9.9
17	-8	3.36	33.5	9.8
15	-9	3.33	32.1	9.4
10	-12	3.26	28.9	8.5
5	-15	3.05	25.7	7.5
0	-18	2.84	22.6	6.6
-5	-21	2.64	19.5	5.7
-10	-23	2.43	16.3	4.8
-15	-26	2.22	13.2	3.9
-20	-29	2.02	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CBX32M-060] [CB30M-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	44.0	12.9	2.05	.78	.93	1.00	42.0	12.3	2.39	.80	.95	1.00	39.5	11.6	2.77	.82	.98	1.00	37.4	11.0	3.21	.85	1.00	1.00
	1500	710	44.5	13.0	2.04	.80	.95	1.00	42.5	12.5	2.38	.82	.97	1.00	40.5	11.9	2.76	.84	.99	1.00	38.0	11.1	3.20	.87	1.00	1.00
	1600	755	45.5	13.3	2.04	.81	.97	1.00	43.0	12.6	2.38	.83	.99	1.00	41.0	12.0	2.76	.86	1.00	1.00	39.0	11.4	3.20	.89	1.00	1.00
67°F (19°C)	1400	660	46.5	13.6	2.04	.61	.76	.89	44.5	13.0	2.37	.62	.77	.92	42.0	12.3	2.75	.63	.79	.94	39.5	11.6	3.19	.65	.82	.97
	1500	710	47.5	13.9	2.03	.62	.77	.91	45.0	13.2	2.37	.63	.79	.94	42.5	12.5	2.75	.64	.81	.97	40.5	11.9	3.18	.66	.84	.99
	1600	755	48.0	14.1	2.03	.63	.79	.94	45.5	13.3	2.37	.64	.81	.96	43.5	12.7	2.75	.66	.83	.98	41.0	12.0	3.18	.67	.86	1.00
71°F (22°C)	1400	660	49.5	14.5	2.03	.46	.60	.73	47.0	13.8	2.36	.46	.61	.75	45.0	13.2	2.74	.47	.62	.77	42.5	12.5	3.17	.47	.63	.79
	1500	710	50.0	14.7	2.03	.46	.61	.75	48.0	14.1	2.36	.47	.62	.76	45.5	13.3	2.73	.47	.63	.78	43.0	12.6	3.16	.48	.65	.81
	1600	755	51.0	14.9	2.03	.47	.62	.76	48.5	14.2	2.36	.47	.63	.78	46.0	13.5	2.73	.48	.64	.80	43.5	12.7	3.16	.49	.66	.83

SECOND STAGE COOLING CAPACITY - HPXA16-060 with [CBX32M-060] [CB30M-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1800	850	58.5	17.1	3.70	.77	.91	1.00	55.5	16.3	4.15	.78	.94	1.00	52.0	15.2	4.65	.81	.96	1.00	49.0	14.4	5.21	.83	.99	1.00
	2000	945	60.0	17.6	3.72	.79	.94	1.00	56.5	16.6	4.17	.81	.97	1.00	53.5	15.7	4.67	.83	.99	1.00	50.0	14.7	5.23	.86	1.00	1.00
	2200	1040	61.0	17.9	3.74	.81	.97	1.00	58.0	17.0	4.19	.83	.99	1.00	54.5	16.0	4.69	.86	1.00	1.00	51.5	15.1	5.26	.89	1.00	1.00
67°F (19°C)	1800	850	62.0	18.2	3.75	.60	.74	.88	59.0	17.3	4.20	.61	.76	.90	55.5	16.3	4.71	.63	.78	.93	52.0	15.2	5.27	.64	.81	.96
	2000	945	63.0	18.5	3.77	.62	.77	.91	60.0	17.6	4.22	.63	.78	.93	56.5	16.6	4.72	.64	.81	.96	53.0	15.5	5.28	.66	.84	.99
	2200	1040	64.5	18.9	3.79	.63	.79	.94	61.0	17.9	4.24	.64	.81	.96	57.5	16.9	4.74	.66	.84	.99	53.5	15.7	5.30	.68	.87	1.00
71°F (22°C)	1800	850	65.0	19.0	3.80	.46	.59	.72	62.5	18.3	4.25	.46	.60	.73	59.0	17.3	4.76	.47	.61	.76	55.0	16.1	5.33	.47	.63	.78
	2000	945	67.0	19.6	3.82	.46	.60	.74	63.5	18.6	4.28	.47	.62	.76	60.0	17.6	4.78	.47	.63	.78	56.0	16.4	5.35	.48	.65	.81
	2200	1040	68.0	19.9	3.84	.47	.62	.76	65.0	19.0	4.29	.47	.63	.78	61.0	17.9	4.79	.48	.65	.81	57.0	16.7	5.36	.49	.67	.84

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CBX32M-060] [CB30M-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	48.9	14.3	2.79	45.8	13.4	2.76	42.6	12.5	2.74	39.5	11.6	2.72
1500	710	49.3	14.4	2.72	46.2	13.5	2.69	43.0	12.6	2.67	39.9	11.7	2.65
1600	755	49.9	14.6	2.66	46.8	13.7	2.63	43.7	12.8	2.61	40.5	11.9	2.59

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CBX32M-060] [CB30M-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1800	850	64.5	18.9	4.09	49.7	14.6	3.86	33.9	9.9	3.63	25.1	7.4	3.17	12.5	3.7	2.33
2000	945	65.2	19.1	4.00	50.4	14.8	3.76	34.6	10.1	3.54	25.8	7.6	3.07	13.2	3.9	2.24
2200	1040	65.7	19.3	3.91	50.9	14.9	3.68	35.1	10.3	3.45	26.3	7.7	2.99	13.7	4.0	2.15

HEATING PERFORMANCE at 2000 cfm (945 L/s) Indoor Coil Air Volume
HPXA16-060 with [CBX32M-060] [CB30M-65]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.00	65.2	19.1
60	16	3.93	61.9	18.1
55	13	3.87	58.6	17.2
50	10	3.80	55.3	16.2
47	8	3.76	53.3	15.6
45	7	3.76	50.4	14.8
40	4	3.75	43.2	12.7
35	2	3.75	35.9	10.5
30	-1	3.64	35.3	10.3
25	-4	3.54	34.6	10.1
20	-7	3.44	34.0	10.0
17	-8	3.37	33.6	9.8
15	-9	3.35	32.2	9.4
10	-12	3.28	28.9	8.5
5	-15	3.07	25.8	7.6
0	-18	2.86	22.7	6.7
-5	-21	2.65	19.5	5.7
-10	-23	2.44	16.4	4.8
-15	-26	2.24	13.2	3.9
-20	-29	2.03	10.1	3.0

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CB30U-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	42.5	12.5	2.05	.76	.91	1.00	40.5	11.9	2.39	.78	.93	1.00	38.5	11.3	2.78	.80	.96	1.00	36.2	10.6	3.22	.83	.99	1.00
	1400	660	43.0	12.6	2.05	.78	.93	1.00	41.0	12.0	2.39	.80	.96	1.00	39.0	11.4	2.77	.82	.98	1.00	37.0	10.8	3.21	.85	1.00	1.00
	1500	710	44.0	12.9	2.04	.80	.95	1.00	42.0	12.3	2.38	.82	.98	1.00	40.0	11.7	2.77	.84	1.00	1.00	37.8	11.1	3.21	.87	1.00	1.00
67°F (19°C)	1300	615	45.0	13.2	2.04	.60	.74	.87	43.0	12.6	2.38	.61	.75	.90	41.0	12.0	2.76	.62	.77	.92	38.5	11.3	3.20	.64	.80	.95
	1400	660	46.0	13.5	2.04	.61	.76	.89	44.0	12.9	2.38	.62	.77	.92	41.5	12.2	2.76	.63	.79	.95	39.0	11.4	3.19	.65	.82	.98
	1500	710	46.5	13.6	2.04	.62	.77	.92	44.5	13.0	2.37	.63	.79	.94	42.0	12.3	2.75	.65	.81	.97	39.5	11.6	3.19	.66	.84	.99
71°F (22°C)	1300	615	48.0	14.1	2.03	.45	.59	.71	46.0	13.5	2.37	.46	.60	.73	43.5	12.7	2.74	.46	.61	.75	41.0	12.0	3.18	.46	.62	.77
	1400	660	49.0	14.4	2.03	.46	.60	.73	46.5	13.6	2.36	.46	.61	.75	44.5	13.0	2.74	.47	.62	.77	42.0	12.3	3.17	.47	.64	.79
	1500	710	49.5	14.5	2.03	.46	.61	.75	47.5	13.9	2.36	.47	.62	.76	45.0	13.2	2.73	.47	.63	.79	42.5	12.5	3.17	.47	.65	.81

SECOND STAGE COOLING CAPACITY - HPXA16-060 with [CB30U-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1500	710	55.0	16.1	3.66	.73	.86	.98	52.5	15.4	4.11	.75	.89	1.00	49.5	14.5	4.60	.77	.92	1.00	46.0	13.5	5.16	.79	.95	1.00
	1700	800	56.5	16.6	3.68	.76	.90	1.00	53.5	15.7	4.13	.78	.93	1.00	50.5	14.8	4.63	.80	.96	1.00	47.5	13.9	5.18	.82	.99	1.00
	1900	895	58.0	17.0	3.70	.78	.93	1.00	55.0	16.1	4.15	.80	.96	1.00	52.0	15.2	4.65	.82	.99	1.00	48.5	14.2	5.20	.86	1.00	1.00
67°F (19°C)	1500	710	58.5	17.1	3.70	.59	.71	.83	55.5	16.3	4.16	.59	.72	.85	52.5	15.4	4.65	.60	.74	.88	49.0	14.4	5.21	.62	.77	.91
	1700	800	60.0	17.6	3.73	.60	.73	.86	57.0	16.7	4.18	.61	.75	.89	54.0	15.8	4.68	.62	.77	.92	50.5	14.8	5.24	.64	.80	.95
	1900	895	61.5	18.0	3.74	.61	.76	.90	58.5	17.1	4.20	.62	.78	.93	55.0	16.1	4.70	.64	.80	.96	51.5	15.1	5.26	.66	.83	.99
71°F (22°C)	1500	710	62.0	18.2	3.75	.45	.57	.68	59.0	17.3	4.20	.45	.58	.70	55.5	16.3	4.71	.45	.59	.72	52.0	15.2	5.27	.46	.60	.74
	1700	800	63.5	18.6	3.77	.45	.58	.71	60.5	17.7	4.23	.46	.59	.72	57.0	16.7	4.73	.46	.61	.75	53.5	15.7	5.30	.47	.62	.77
	1900	895	65.0	19.0	3.79	.46	.60	.73	62.0	18.2	4.25	.46	.61	.75	58.5	17.1	4.75	.47	.62	.77	54.5	16.0	5.32	.48	.64	.80

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CB30U-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1300	615	48.5	14.2	2.84	45.5	13.3	2.82	42.4	12.4	2.79	39.3	11.5	2.76
1400	660	48.9	14.3	2.76	45.8	13.4	2.73	42.7	12.5	2.70	39.6	11.6	2.68
1500	710	49.7	14.6	2.69	46.6	13.7	2.66	43.5	12.7	2.64	40.4	11.8	2.61

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CB30U-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1500	710	62.9	18.4	4.30	48.5	14.2	4.01	33.1	9.7	3.74	24.5	7.2	3.23	12.1	3.5	2.40
1700	800	63.7	18.7	4.16	49.3	14.4	3.87	33.9	9.9	3.60	25.3	7.4	3.09	12.9	3.8	2.26
1900	895	64.6	18.9	4.05	50.2	14.7	3.76	34.8	10.2	3.48	26.2	7.7	2.98	13.8	4.0	2.14

HEATING PERFORMANCE at 1700 cfm (800 L/s) Indoor Coil Air Volume
HPXA16-060 with [CB30U-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.16	63.7	18.7
60	16	4.08	60.5	17.7
55	13	4.01	57.3	16.8
50	10	3.93	54.1	15.9
47	8	3.88	52.2	15.3
45	7	3.87	49.3	14.4
40	4	3.85	42.3	12.4
35	2	3.83	35.3	10.3
30	-1	3.71	34.6	10.1
25	-4	3.60	33.9	9.9
20	-7	3.48	33.3	9.8
17	-8	3.41	32.9	9.6
15	-9	3.38	31.6	9.3
10	-12	3.30	28.4	8.3
5	-15	3.09	25.3	7.4
0	-18	2.88	22.2	6.5
-5	-21	2.67	19.1	5.6
-10	-23	2.46	16.0	4.7
-15	-26	2.26	12.9	3.8
-20	-29	2.05	9.9	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.
The following units have the same ratings and are listed together: [CBX32M/CB31M/CB30U] [CBX32MV/CB31MV] air handlers.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CB30U-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.5	12.7	2.05	.76	.91	1.00	41.5	12.2	2.39	.78	.93	1.00	39.0	11.4	2.77	.80	.96	1.00	36.8	10.8	3.22	.82	.99	1.00
	1400	660	44.0	12.9	2.04	.78	.93	1.00	42.0	12.3	2.39	.80	.95	1.00	40.0	11.7	2.77	.82	.98	1.00	37.4	11.0	3.21	.84	1.00	1.00
	1500	710	45.0	13.2	2.04	.80	.95	1.00	42.5	12.5	2.38	.81	.98	1.00	40.5	11.9	2.76	.84	1.00	1.00	38.0	11.1	3.20	.87	1.00	1.00
67°F (19°C)	1300	615	46.0	13.5	2.04	.60	.74	.87	44.0	12.9	2.38	.61	.75	.89	42.0	12.3	2.75	.62	.77	.92	39.5	11.6	3.19	.63	.79	.95
	1400	660	47.0	13.8	2.04	.61	.75	.89	45.0	13.2	2.37	.62	.77	.92	42.5	12.5	2.75	.63	.79	.94	40.0	11.7	3.19	.65	.82	.98
	1500	710	47.5	13.9	2.03	.62	.77	.92	45.5	13.3	2.37	.63	.79	.94	43.0	12.6	2.75	.64	.81	.97	40.5	11.9	3.18	.66	.84	.99
71°F (22°C)	1300	615	49.0	14.4	2.03	.46	.59	.71	47.0	13.8	2.36	.46	.60	.73	44.5	13.0	2.74	.46	.61	.75	42.0	12.3	3.17	.47	.62	.77
	1400	660	50.0	14.7	2.03	.46	.60	.73	47.5	13.9	2.36	.46	.61	.75	45.0	13.2	2.74	.47	.62	.76	42.5	12.5	3.17	.47	.63	.79
	1500	710	50.5	14.8	2.03	.46	.61	.75	48.5	14.2	2.36	.47	.62	.76	46.0	13.5	2.73	.47	.63	.78	43.0	12.6	3.16	.48	.65	.81

SECOND STAGE COOLING CAPACITY - HPXA16-060 with [CB30U-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1700	800	58.0	17.0	3.70	.76	.89	1.00	55.0	16.1	4.14	.77	.92	1.00	51.5	15.1	4.65	.79	.95	1.00	48.0	14.1	5.20	.82	.98	1.00
	1900	895	59.5	17.4	3.72	.78	.93	1.00	56.5	16.6	4.16	.80	.95	1.00	53.0	15.5	4.66	.82	.98	1.00	49.5	14.5	5.22	.85	1.00	1.00
	2100	990	60.5	17.7	3.73	.80	.96	1.00	57.5	16.9	4.18	.82	.98	1.00	54.0	15.8	4.69	.85	1.00	1.00	51.0	14.9	5.25	.88	1.00	1.00
67°F (19°C)	1700	800	61.5	18.0	3.75	.60	.73	.86	58.5	17.1	4.20	.61	.75	.88	55.5	16.3	4.70	.62	.77	.91	51.5	15.1	5.26	.63	.79	.95
	1900	895	63.0	18.5	3.77	.61	.75	.89	60.0	17.6	4.22	.62	.77	.92	56.5	16.6	4.72	.63	.79	.95	52.5	15.4	5.28	.65	.82	.98
	2100	990	64.5	18.9	3.78	.62	.78	.92	61.0	17.9	4.23	.64	.80	.95	57.5	16.9	4.73	.65	.82	.98	53.5	15.7	5.29	.67	.85	1.00
71°F (22°C)	1700	800	65.0	19.0	3.80	.45	.58	.71	62.0	18.2	4.25	.46	.59	.72	58.5	17.1	4.75	.46	.60	.74	55.0	16.1	5.32	.47	.62	.77
	1900	895	67.0	19.6	3.82	.46	.60	.73	63.5	18.6	4.27	.46	.61	.75	60.0	17.6	4.78	.47	.62	.77	56.0	16.4	5.34	.47	.64	.80
	2100	990	68.0	19.9	3.84	.47	.61	.75	64.5	18.9	4.29	.47	.62	.77	61.0	17.9	4.80	.48	.64	.80	57.0	16.7	5.36	.48	.66	.83

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CB30U-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1300	615	48.5	14.2	2.87	45.4	13.3	2.84	42.3	12.4	2.81	39.2	11.5	2.78
1400	660	48.9	14.3	2.79	45.8	13.4	2.76	42.7	12.5	2.74	39.6	11.6	2.71
1500	710	49.5	14.5	2.72	46.5	13.6	2.69	43.4	12.7	2.67	40.3	11.8	2.64

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CB30U-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1700	800	64.1	18.8	4.17	49.5	14.5	3.91	33.8	9.9	3.67	25.0	7.3	3.18	12.5	3.7	2.35
1900	895	64.8	19.0	4.06	50.2	14.7	3.80	34.5	10.1	3.56	25.7	7.5	3.07	13.2	3.9	2.24
2100	990	65.4	19.2	3.97	50.8	14.9	3.71	35.1	10.3	3.47	26.3	7.7	2.98	13.8	4.0	2.15

HEATING PERFORMANCE at 1900 cfm (895 L/s) Indoor Coil Air Volume
HPXA16-060 with [CB30U-65]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.06	64.8	19.0
60	16	3.99	61.5	18.0
55	13	3.91	58.2	17.1
50	10	3.84	55.0	16.1
47	8	3.80	53.0	15.5
45	7	3.80	50.2	14.7
40	4	3.79	43.0	12.6
35	2	3.78	35.9	10.5
30	-1	3.67	35.2	10.3
25	-4	3.56	34.5	10.1
20	-7	3.44	33.8	9.9
17	-8	3.38	33.4	9.8
15	-9	3.35	32.1	9.4
10	-12	3.28	28.8	8.4
5	-15	3.07	25.7	7.5
0	-18	2.86	22.6	6.6
-5	-21	2.65	19.4	5.7
-10	-23	2.44	16.3	4.8
-15	-26	2.24	13.2	3.9
-20	-29	2.03	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CX34-62D-6F] [C33-62D]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.5	12.7	2.04	.77	.91	1.00	42.0	12.3	2.39	.79	.94	1.00	39.5	11.6	2.77	.81	.96	1.00	37.4	11.0	3.21	.84	.99	1.00
	1400	660	44.5	13.0	2.04	.79	.94	1.00	42.5	12.5	2.38	.81	.96	1.00	40.5	11.9	2.76	.84	.99	1.00	38.0	11.1	3.20	.86	1.00	1.00
	1500	710	45.5	13.3	2.04	.81	.96	1.00	43.0	12.6	2.38	.83	.98	1.00	41.0	12.0	2.76	.85	1.00	1.00	39.0	11.4	3.20	.88	1.00	1.00
67°F (19°C)	1300	615	46.5	13.6	2.04	.61	.75	.87	44.5	13.0	2.37	.62	.76	.90	42.0	12.3	2.75	.64	.79	.93	40.0	11.7	3.19	.65	.81	.96
	1400	660	47.5	13.9	2.03	.63	.77	.90	45.0	13.2	2.37	.64	.79	.92	43.0	12.6	2.75	.65	.81	.96	40.5	11.9	3.18	.67	.83	.99
	1500	710	48.0	14.1	2.03	.64	.77	.92	45.5	13.3	2.37	.65	.79	.95	43.5	12.7	2.74	.66	.83	.98	41.0	12.0	3.18	.68	.86	1.00
71°F (22°C)	1300	615	49.5	14.5	2.03	.47	.60	.72	47.0	13.8	2.36	.47	.60	.74	45.0	13.2	2.74	.48	.62	.76	42.5	12.5	3.17	.49	.64	.78
	1400	660	50.0	14.7	2.03	.48	.61	.74	48.0	14.1	2.36	.48	.62	.76	45.5	13.3	2.73	.49	.64	.78	43.0	12.6	3.16	.50	.65	.81
	1500	710	51.0	14.9	2.03	.48	.62	.76	49.0	14.4	2.36	.49	.64	.77	46.5	13.6	2.73	.49	.65	.80	44.0	12.9	3.16	.50	.67	.83

SECOND STAGE COOLING CAPACITY - HSXA16-060 with [CX34-62D-6F] [C33-62D]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1800	850	59.5	17.4	3.72	.78	.92	1.00	56.5	16.6	4.17	.80	.94	1.00	53.5	15.7	4.67	.82	.97	1.00	49.5	14.5	5.23	.85	1.00	1.00
	2000	945	61.0	17.9	3.74	.80	.95	1.00	58.0	17.0	4.19	.82	.98	1.00	54.5	16.0	4.69	.85	1.00	1.00	51.5	15.1	5.26	.88	1.00	1.00
	2200	1040	62.0	18.2	3.76	.82	.98	1.00	59.0	17.3	4.21	.85	1.00	1.00	56.0	16.4	4.71	.88	1.00	1.00	53.0	15.5	5.28	.91	1.00	1.00
67°F (19°C)	1800	850	63.0	18.5	3.77	.62	.76	.88	60.0	17.6	4.22	.63	.77	.91	56.5	16.6	4.72	.64	.79	.94	53.0	15.5	5.29	.66	.82	.97
	2000	945	64.5	18.9	3.79	.63	.78	.91	61.5	18.0	4.24	.65	.80	.94	58.0	17.0	4.74	.66	.82	.97	54.0	15.8	5.31	.68	.85	1.00
	2200	1040	66.0	19.3	3.80	.65	.80	.95	62.5	18.3	4.26	.66	.82	.97	59.0	17.3	4.76	.68	.85	1.00	55.0	16.1	5.32	.70	.89	1.00
71°F (22°C)	1800	850	67.0	19.6	3.82	.48	.60	.73	63.5	18.6	4.28	.48	.61	.74	60.5	17.7	4.78	.49	.63	.77	56.5	16.6	5.35	.49	.65	.79
	2000	945	68.0	19.9	3.84	.48	.62	.76	65.0	19.0	4.30	.49	.63	.77	61.5	18.0	4.81	.49	.65	.80	57.5	16.9	5.37	.50	.67	.83
	2200	1040	70.0	20.5	3.86	.49	.64	.78	66.0	19.3	4.32	.50	.65	.80	62.5	18.3	4.82	.50	.67	.82	58.5	17.1	5.39	.51	.69	.86

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CX34-62D-6F] [C33-62D]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1300	615	48.2	14.1	2.98	45.1	13.2	2.96	42.1	12.3	2.94	39.0	11.4	2.92
1400	660	48.7	14.3	2.89	45.6	13.4	2.87	42.5	12.5	2.85	39.4	11.5	2.82
1500	710	49.2	14.4	2.82	46.1	13.5	2.80	43.0	12.6	2.78	39.9	11.7	2.76

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CX34-62D-6F] [C33-62D]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1800	850	63.8	18.7	4.23	49.2	14.4	4.00	33.6	9.8	3.78	24.9	7.3	3.29	12.4	3.6	2.42
2000	945	64.5	18.9	4.12	49.9	14.6	3.89	34.3	10.1	3.67	25.6	7.5	3.18	13.1	3.8	2.31
2200	1040	65.1	19.1	4.03	50.5	14.8	3.80	34.9	10.2	3.59	26.2	7.7	3.10	13.7	4.0	2.23

HEATING PERFORMANCE at 2000 cfm (945 L/s) Indoor Coil Air Volume
HPXA16-060 with [CX34-62D-6F] [C33-62D]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.12	64.5	18.9
60	16	4.05	61.3	18.0
55	13	3.99	58.0	17.0
50	10	3.92	54.7	16.0
47	8	3.88	52.8	15.5
45	7	3.89	49.9	14.6
40	4	3.89	42.8	12.5
35	2	3.90	35.6	10.4
30	-1	3.78	35.0	10.3
25	-4	3.67	34.3	10.1
20	-7	3.56	33.7	9.9
17	-8	3.49	33.3	9.8
15	-9	3.47	32.0	9.4
10	-12	3.40	28.7	8.4
5	-15	3.18	25.6	7.5
0	-18	2.97	22.5	6.6
-5	-21	2.75	19.3	5.7
-10	-23	2.53	16.2	4.7
-15	-26	2.31	13.1	3.8
-20	-29	2.10	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1230	580	43.0	12.6	2.05	.76	.89	1.00	41.0	12.0	2.39	.77	.91	1.00	39.0	11.4	2.78	.79	.94	1.00	36.8	10.8	3.22	.82	.97	1.00
	1340	630	44.0	12.9	2.04	.78	.92	1.00	42.0	12.3	2.39	.79	.94	1.00	40.0	11.7	2.77	.82	.97	1.00	37.4	11.0	3.21	.84	1.00	1.00
	1400	660	44.5	13.0	2.04	.79	.93	1.00	42.5	12.5	2.38	.80	.96	1.00	40.0	11.7	2.76	.83	.99	1.00	38.0	11.1	3.20	.86	1.00	1.00
67°F (19°C)	1230	580	45.5	13.3	2.04	.60	.73	.86	43.5	12.7	2.38	.61	.75	.88	41.5	12.2	2.76	.62	.76	.90	39.0	11.4	3.19	.64	.79	.94
	1340	630	46.5	13.6	2.04	.61	.75	.88	44.5	13.0	2.37	.62	.77	.90	42.5	12.5	2.75	.64	.79	.93	40.0	11.7	3.19	.65	.81	.96
	1400	660	47.0	13.8	2.03	.62	.76	.89	45.0	13.2	2.37	.63	.78	.92	43.0	12.6	2.75	.64	.80	.95	40.5	11.9	3.18	.66	.83	.98
71°F (22°C)	1230	580	48.5	14.2	2.03	.46	.59	.71	46.5	13.6	2.37	.47	.59	.72	44.5	13.0	2.74	.47	.60	.73	42.0	12.3	3.17	.48	.62	.76
	1340	630	49.5	14.5	2.03	.47	.60	.72	47.5	13.9	2.36	.47	.60	.74	45.0	13.2	2.73	.48	.62	.76	42.5	12.5	3.16	.48	.64	.79
	1400	660	50.0	14.7	2.03	.47	.60	.73	48.0	14.1	2.36	.48	.62	.75	45.5	13.3	2.73	.48	.63	.77	43.0	12.6	3.16	.49	.65	.80

SECOND STAGE COOLING CAPACITY - HSXA16-060 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1760	830	59.0	17.3	3.71	.77	.91	1.00	56.0	16.4	4.17	.79	.94	1.00	53.0	15.5	4.66	.81	.96	1.00	49.5	14.5	5.22	.84	1.00	1.00
	1905	900	60.0	17.6	3.73	.79	.93	1.00	57.5	16.9	4.18	.81	.96	1.00	54.0	15.8	4.68	.83	.99	1.00	50.5	14.8	5.24	.86	1.00	1.00
	2000	945	61.0	17.9	3.74	.80	.95	1.00	58.0	17.0	4.19	.82	.97	1.00	54.5	16.0	4.69	.85	1.00	1.00	51.5	15.1	5.26	.88	1.00	1.00
67°F (19°C)	1760	830	63.0	18.5	3.76	.61	.75	.87	59.5	17.4	4.21	.62	.76	.90	56.5	16.6	4.72	.64	.78	.93	53.0	15.5	5.28	.65	.81	.96
	1905	900	64.0	18.8	3.77	.62	.76	.90	60.5	17.7	4.23	.64	.78	.92	57.5	16.9	4.74	.65	.81	.95	53.5	15.7	5.30	.67	.84	.99
	2000	945	64.5	18.9	3.78	.63	.77	.91	61.0	17.9	4.24	.64	.79	.94	58.0	17.0	4.74	.66	.82	.97	54.0	15.8	5.30	.68	.85	1.00
71°F (22°C)	1760	830	67.0	19.6	3.81	.47	.60	.72	63.5	18.6	4.27	.48	.61	.74	60.0	17.6	4.78	.48	.62	.76	56.0	16.4	5.34	.49	.64	.79
	1905	900	68.0	19.9	3.83	.47	.61	.74	64.5	18.9	4.29	.48	.62	.76	61.0	17.9	4.79	.49	.64	.78	57.0	16.7	5.36	.49	.65	.81
	2000	945	68.0	19.9	3.84	.48	.61	.75	65.0	19.0	4.30	.48	.63	.77	61.5	18.0	4.80	.49	.65	.79	57.5	16.9	5.37	.50	.66	.82

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1230	585	47.1	13.8	3.02	44.1	12.9	3.00	41.1	12.0	2.97	38.0	11.1	2.95
1340	630	47.8	14.0	2.93	44.8	13.1	2.91	41.7	12.2	2.88	38.7	11.3	2.86
1400	660	48.2	14.1	2.88	45.1	13.2	2.86	42.1	12.3	2.83	39.1	11.5	2.81

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1760	835	63.3	18.6	4.25	48.8	14.3	4.00	33.2	9.7	3.77	24.6	7.2	3.27	12.3	3.6	2.40
1905	900	63.9	18.7	4.18	49.4	14.5	3.93	33.8	9.9	3.70	25.2	7.4	3.20	12.9	3.8	2.33
2000	945	64.1	18.8	4.13	49.6	14.5	3.88	34.0	10.0	3.65	25.4	7.4	3.14	13.1	3.8	2.27

HEATING PERFORMANCE at 1905 cfm (900 L/s) Indoor Coil Air Volume
HPXA16-060 with [CX34-62D-6F + G60UHV-60D-135] [C33-62D + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	4.18	63.9	18.7
60	16	4.11	60.7	17.8
55	13	4.04	57.4	16.8
50	10	3.97	54.2	15.9
47	8	3.93	52.2	15.3
45	7	3.93	49.4	14.5
40	4	3.93	42.3	12.4
35	2	3.93	35.2	10.3
30	-1	3.82	34.5	10.1
25	-4	3.70	33.8	9.9
20	-7	3.58	33.2	9.7
17	-8	3.51	32.8	9.6
15	-9	3.49	31.5	9.2
10	-12	3.42	28.2	8.3
5	-15	3.20	25.2	7.4
0	-18	2.98	22.1	6.5
-5	-21	2.76	19.0	5.6
-10	-23	2.54	16.0	4.7
-15	-26	2.33	12.9	3.8
-20	-29	2.11	9.8	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																								
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	42.0	12.3	2.05	.74	.86	.98	40.0	11.7	2.40	.75	.88	1.00	37.8	11.1	2.78	.77	.91	1.00	35.6	10.4	3.23	.79	.94	1.00
	1345	635	44.0	12.9	2.04	.77	.92	1.00	42.0	12.3	2.39	.79	.94	1.00	40.0	11.7	2.77	.81	.97	1.00	37.4	11.0	3.21	.84	1.00	1.00
	1540	725	45.5	13.3	2.04	.81	.96	1.00	43.5	12.7	2.38	.83	.99	1.00	41.0	12.0	2.76	.85	1.00	1.00	39.0	11.4	3.19	.89	1.00	1.00
67°F (19°C)	1100	520	44.5	13.0	2.04	.59	.71	.83	42.5	12.5	2.38	.59	.72	.85	40.5	11.9	2.76	.61	.74	.87	38.0	11.1	3.20	.61	.76	.90
	1345	635	46.5	13.6	2.04	.61	.75	.88	44.5	13.0	2.37	.62	.77	.90	42.5	12.5	2.75	.64	.79	.93	40.0	11.7	3.19	.65	.81	.96
	1540	725	48.0	14.1	2.03	.63	.77	.92	46.0	13.5	2.37	.65	.80	.95	43.5	12.7	2.74	.66	.83	.98	41.0	12.0	3.18	.68	.86	1.00
71°F (22°C)	1100	520	47.0	13.8	2.04	.46	.57	.69	45.0	13.2	2.37	.46	.58	.70	43.0	12.6	2.75	.46	.59	.71	41.0	12.0	3.18	.46	.60	.73
	1345	635	49.5	14.5	2.03	.47	.59	.73	47.5	13.9	2.36	.47	.60	.74	45.0	13.2	2.73	.47	.62	.76	42.5	12.5	3.17	.48	.63	.78
	1540	725	51.0	14.9	2.03	.48	.62	.76	49.0	14.4	2.36	.48	.63	.78	46.5	13.6	2.73	.49	.65	.80	44.0	12.9	3.16	.50	.66	.83

SECOND STAGE COOLING CAPACITY - HSXA16-060 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																								
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1790	845	59.5	17.4	3.72	.78	.91	1.00	56.5	16.6	4.17	.79	.94	1.00	53.0	15.5	4.67	.81	.97	1.00	49.5	14.5	5.22	.84	1.00	1.00
	1990	940	61.0	17.9	3.74	.80	.95	1.00	58.0	17.0	4.19	.82	.97	1.00	54.5	16.0	4.69	.85	1.00	1.00	51.5	15.1	5.26	.88	1.00	1.00
	2195	1035	62.5	18.3	3.76	.83	.98	1.00	59.0	17.3	4.21	.85	1.00	1.00	56.0	16.4	4.72	.88	1.00	1.00	53.0	15.5	5.29	.91	1.00	1.00
67°F (19°C)	1790	845	63.0	18.5	3.77	.61	.75	.88	60.0	17.6	4.22	.62	.77	.90	56.5	16.6	4.72	.64	.79	.93	53.0	15.5	5.28	.65	.82	.97
	1990	940	64.5	18.9	3.78	.63	.77	.91	61.0	17.9	4.24	.65	.79	.94	58.0	17.0	4.74	.66	.82	.97	54.0	15.8	5.30	.68	.85	1.00
	2195	1035	66.0	19.3	3.80	.65	.80	.95	62.5	18.3	4.26	.66	.83	.98	59.0	17.3	4.76	.68	.85	1.00	55.0	16.1	5.32	.70	.89	1.00
71°F (22°C)	1790	845	67.0	19.6	3.82	.47	.60	.72	63.5	18.6	4.27	.47	.61	.74	60.0	17.6	4.78	.48	.62	.76	56.5	16.6	5.35	.49	.64	.79
	1990	940	68.0	19.9	3.84	.48	.62	.75	65.0	19.0	4.30	.49	.63	.77	61.5	18.0	4.80	.49	.65	.79	57.5	16.9	5.37	.50	.66	.82
	2195	1035	70.0	20.5	3.86	.49	.64	.78	66.0	19.3	4.32	.50	.65	.80	62.5	18.3	4.82	.51	.67	.83	58.5	17.1	5.39	.51	.69	.86

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1100	520	46.4	13.6	3.18	43.3	12.7	3.16	40.2	11.8	3.13	37.1	10.9	3.10
1345	635	47.9	14.0	2.93	44.8	13.1	2.90	41.7	12.2	2.88	38.6	11.3	2.85
1540	725	48.7	14.3	2.78	45.6	13.4	2.76	42.5	12.5	2.73	39.4	11.5	2.71

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1790	845	63.3	18.6	4.22	48.7	14.3	3.99	33.1	9.7	3.77	24.4	7.2	3.28	12.0	3.5	2.41
1990	940	64.4	18.9	4.12	49.8	14.6	3.89	34.2	10.0	3.67	25.5	7.5	3.18	13.1	3.8	2.31
2195	1035	65.4	19.2	4.04	50.8	14.9	3.81	35.2	10.3	3.59	26.5	7.8	3.10	14.1	4.1	2.23

HEATING PERFORMANCE at 1990 cfm (940 L/s) Indoor Coil Air Volume
HPXA16-060 with [CX34-62D-6F + G61MPV-60D-135] [C33-62D + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	4.12	64.4	18.9
60	16	4.06	61.1	17.9
55	13	3.99	57.9	17.0
50	10	3.93	54.6	16.0
47	8	3.89	52.7	15.4
45	7	3.89	49.8	14.6
40	4	3.89	42.7	12.5
35	2	3.90	35.5	10.4
30	-1	3.79	34.9	10.2
25	-4	3.67	34.2	10.0
20	-7	3.56	33.5	9.8
17	-8	3.49	33.2	9.7
15	-9	3.47	31.9	9.3
10	-12	3.40	28.6	8.4
5	-15	3.18	25.5	7.5
0	-18	2.97	22.4	6.6
-5	-21	2.75	19.3	5.7
-10	-23	2.53	16.2	4.7
-15	-26	2.31	13.1	3.8
-20	-29	2.10	9.9	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CR26-60N/W-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.5	12.7	2.05	.78	.92	1.00	41.5	12.2	2.39	.80	.95	1.00	39.0	11.4	2.77	.82	.97	1.00	36.8	10.8	3.22	.84	.99	1.00
	1400	660	44.0	12.9	2.04	.80	.95	1.00	42.0	12.3	2.39	.82	.97	1.00	40.0	11.7	2.77	.84	.99	1.00	37.6	11.0	3.21	.87	1.00	1.00
	1500	710	44.5	13.0	2.04	.82	.97	1.00	42.5	12.5	2.38	.83	.99	1.00	40.5	11.9	2.76	.86	1.00	1.00	38.5	11.3	3.20	.89	1.00	1.00
67°F (19°C)	1300	615	46.0	13.5	2.04	.62	.75	.88	44.0	12.9	2.38	.62	.77	.91	42.0	12.3	2.76	.64	.79	.94	39.0	11.4	3.19	.65	.81	.96
	1400	660	47.0	13.8	2.04	.63	.77	.91	45.0	13.2	2.37	.64	.79	.93	42.5	12.5	2.75	.65	.81	.96	40.0	11.7	3.19	.67	.84	.99
	1500	710	47.5	13.9	2.03	.64	.79	.93	45.5	13.3	2.37	.65	.81	.96	43.0	12.6	2.75	.66	.83	.98	40.5	11.9	3.18	.68	.86	1.00
71°F (22°C)	1300	615	48.5	14.2	2.03	.47	.60	.73	46.5	13.6	2.36	.47	.61	.74	44.5	13.0	2.74	.47	.62	.76	42.0	12.3	3.17	.48	.64	.78
	1400	660	49.5	14.5	2.03	.48	.62	.75	47.5	13.9	2.36	.48	.63	.76	45.0	13.2	2.74	.48	.64	.78	42.5	12.5	3.16	.49	.65	.81
	1500	710	50.0	14.7	2.03	.48	.63	.76	48.0	14.1	2.36	.49	.64	.78	46.0	13.5	2.73	.49	.65	.80	43.0	12.6	3.16	.50	.67	.83

SECOND STAGE COOLING CAPACITY - HSXA16-060 with [CR26-60N/W-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1500	710	56.0	16.4	3.67	.75	.88	.99	53.0	15.5	4.12	.77	.90	1.00	50.0	14.7	4.62	.79	.93	1.00	46.5	13.6	5.17	.81	.96	1.00
	1700	800	57.5	16.9	3.69	.77	.91	1.00	54.5	16.0	4.14	.79	.94	1.00	51.5	15.1	4.64	.81	.96	1.00	48.0	14.1	5.19	.84	.99	1.00
	1900	895	59.0	17.3	3.71	.80	.95	1.00	56.0	16.4	4.16	.82	.97	1.00	52.5	15.4	4.66	.85	.99	1.00	49.5	14.5	5.22	.88	1.00	1.00
67°F (19°C)	1500	710	59.5	17.4	3.72	.60	.73	.84	56.5	16.6	4.17	.61	.74	.87	53.5	15.7	4.67	.62	.76	.89	50.0	14.7	5.23	.64	.78	.93
	1700	800	61.0	17.9	3.74	.61	.75	.88	58.0	17.0	4.19	.62	.76	.90	54.5	16.0	4.69	.64	.79	.93	51.0	14.9	5.25	.65	.81	.96
	1900	895	62.5	18.3	3.76	.63	.78	.91	59.5	17.4	4.21	.65	.80	.94	56.0	16.4	4.71	.66	.82	.97	52.0	15.2	5.27	.68	.85	.99
71°F (22°C)	1500	710	62.5	18.3	3.76	.46	.58	.70	60.0	17.6	4.22	.47	.59	.71	56.5	16.6	4.72	.47	.60	.73	53.0	15.5	5.28	.48	.62	.76
	1700	800	64.5	18.9	3.79	.47	.60	.72	61.5	18.0	4.24	.47	.61	.74	58.0	17.0	4.75	.48	.62	.76	54.5	16.0	5.31	.48	.64	.79
	1900	895	66.0	19.3	3.81	.48	.62	.75	63.0	18.5	4.26	.49	.63	.77	59.5	17.4	4.77	.49	.65	.79	55.5	16.3	5.33	.50	.66	.82

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CR26-60N/W-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1300	615	48.6	14.2	2.89	45.5	13.3	2.87	42.4	12.4	2.84	39.3	11.5	2.81
1400	660	49.0	14.4	2.81	45.9	13.5	2.78	42.9	12.6	2.76	39.8	11.7	2.73
1500	710	49.4	14.5	2.74	46.3	13.6	2.72	43.3	12.7	2.69	40.2	11.8	2.66

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CR26-60N/W-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1500	710	62.9	18.4	4.36	48.5	14.2	4.07	33.2	9.7	3.80	24.5	7.2	3.29	12.2	3.6	2.44
1700	800	63.7	18.7	4.22	49.3	14.4	3.93	34.0	10.0	3.66	25.3	7.4	3.15	13.0	3.8	2.30
1900	895	64.4	18.9	4.11	50.0	14.7	3.82	34.7	10.2	3.55	26.0	7.6	3.04	13.7	4.0	2.19

HEATING PERFORMANCE at 1700 cfm (800 L/s) Indoor Coil Air Volume
HPXA16-060 with [CR26-60N/W-F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.22	63.7	18.7
60	16	4.14	60.5	17.7
55	13	4.06	57.3	16.8
50	10	3.99	54.1	15.9
47	8	3.94	52.2	15.3
45	7	3.93	49.3	14.4
40	4	3.92	42.3	12.4
35	2	3.90	35.3	10.3
30	-1	3.78	34.6	10.1
25	-4	3.66	34.0	10.0
20	-7	3.54	33.3	9.8
17	-8	3.47	32.9	9.6
15	-9	3.44	31.6	9.3
10	-12	3.36	28.4	8.3
5	-15	3.15	25.3	7.4
0	-18	2.94	22.3	6.5
-5	-21	2.72	19.2	5.6
-10	-23	2.51	16.1	4.7
-15	-26	2.30	13.0	3.8
-20	-29	2.08	9.9	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CR26-60W-F + G60DFV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1195	565	42.5	12.5	2.05	.76	.89	1.00	40.5	11.9	2.40	.77	.92	1.00	38.5	11.3	2.78	.79	.94	1.00	36.0	10.6	3.23	.81	.97	1.00
	1340	630	43.5	12.7	2.05	.78	.93	1.00	41.5	12.2	2.39	.80	.95	1.00	39.5	11.6	2.77	.82	.97	1.00	36.8	10.8	3.22	.84	1.00	1.00
	1465	690	44.5	13.0	2.04	.80	.95	1.00	42.5	12.5	2.38	.82	.98	1.00	40.0	11.7	2.77	.84	1.00	1.00	37.8	11.1	3.21	.87	1.00	1.00
67°F (19°C)	1195	565	45.0	13.2	2.04	.60	.73	.86	43.0	12.6	2.38	.61	.74	.88	41.0	12.0	2.76	.62	.76	.90	38.5	11.3	3.20	.63	.79	.93
	1340	630	46.0	13.5	2.04	.61	.75	.89	44.0	12.9	2.38	.62	.77	.91	42.0	12.3	2.75	.63	.79	.94	39.5	11.6	3.19	.65	.82	.97
	1465	690	47.0	13.8	2.03	.63	.78	.92	45.0	13.2	2.37	.64	.79	.94	42.5	12.5	2.75	.65	.82	.97	40.0	11.7	3.18	.67	.84	.99
71°F (22°C)	1195	565	47.5	13.9	2.03	.45	.58	.70	45.5	13.3	2.37	.46	.59	.72	43.5	12.7	2.74	.46	.60	.73	41.0	12.0	3.18	.47	.61	.76
	1340	630	49.0	14.4	2.03	.46	.60	.73	47.0	13.8	2.36	.47	.61	.75	44.5	13.0	2.74	.47	.62	.76	42.0	12.3	3.17	.48	.64	.79
	1465	690	50.0	14.7	2.03	.47	.61	.75	47.5	13.9	2.36	.47	.63	.77	45.5	13.3	2.73	.48	.64	.79	42.5	12.5	3.16	.48	.65	.82

SECOND STAGE COOLING CAPACITY - HPXA16-060 with [CR26-60W-F + G60DFV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1710	805	57.5	16.9	3.69	.77	.91	1.00	54.5	16.0	4.14	.79	.94	1.00	51.5	15.1	4.64	.81	.96	1.00	48.0	14.1	5.19	.84	.99	1.00
	1890	890	59.0	17.3	3.71	.80	.94	1.00	56.0	16.4	4.16	.82	.97	1.00	52.5	15.4	4.66	.84	.99	1.00	49.0	14.4	5.22	.87	1.00	1.00
	2095	990	60.0	17.6	3.72	.82	.97	1.00	57.0	16.7	4.18	.84	.99	1.00	53.5	15.7	4.68	.87	1.00	1.00	50.5	14.8	5.24	.90	1.00	1.00
67°F (19°C)	1710	805	61.0	17.9	3.74	.61	.75	.88	58.0	17.0	4.19	.62	.76	.90	54.5	16.0	4.69	.63	.78	.93	51.0	14.9	5.25	.65	.81	.96
	1890	890	62.5	18.3	3.75	.63	.77	.91	59.0	17.3	4.21	.64	.79	.93	56.0	16.4	4.71	.65	.81	.96	52.0	15.2	5.27	.67	.85	.99
	2095	990	63.5	18.6	3.77	.64	.79	.94	60.5	17.7	4.22	.66	.82	.96	57.0	16.7	4.73	.67	.84	.99	53.0	15.5	5.28	.69	.88	1.00
71°F (22°C)	1710	805	64.5	18.9	3.79	.46	.60	.72	61.0	17.9	4.24	.47	.61	.74	58.0	17.0	4.75	.47	.62	.76	54.5	16.0	5.31	.48	.63	.78
	1890	890	66.0	19.3	3.80	.47	.62	.75	62.5	18.3	4.26	.48	.63	.76	59.0	17.3	4.76	.49	.64	.79	55.5	16.3	5.33	.49	.66	.82
	2095	990	67.0	19.6	3.82	.48	.63	.77	64.0	18.8	4.28	.49	.64	.79	60.0	17.6	4.78	.49	.66	.82	56.5	16.6	5.35	.50	.68	.85

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CR26-60W-F + G60DFV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1195	565	47.4	13.9	2.98	44.4	13.0	2.95	41.4	12.1	2.92	38.3	11.2	2.89
1340	630	48.0	14.1	2.84	45.0	13.2	2.81	42.0	12.3	2.78	38.9	11.4	2.75
1465	690	48.4	14.2	2.75	45.4	13.3	2.72	42.3	12.4	2.69	39.3	11.5	2.66

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CR26-60W-F + G60DFV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1710	805	63.6	18.6	4.18	49.0	14.4	3.92	33.5	9.8	3.68	24.8	7.3	3.19	12.3	3.6	2.35
1890	890	64.4	18.9	4.09	49.8	14.6	3.83	34.3	10.1	3.59	25.6	7.5	3.10	13.1	3.8	2.26
2095	990	64.9	19.0	3.99	50.3	14.7	3.73	34.8	10.2	3.49	26.1	7.6	3.00	13.6	4.0	2.16

HEATING PERFORMANCE at 1890 cfm (890 L/s) Indoor Coil Air Volume
HPXA16-060 with [CR26-60W-F + G60DFV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.09	64.4	18.9
60	16	4.02	61.1	17.9
55	13	3.95	57.9	17.0
50	10	3.87	54.6	16.0
47	8	3.83	52.7	15.4
45	7	3.83	49.8	14.6
40	4	3.82	42.7	12.5
35	2	3.81	35.6	10.4
30	-1	3.70	34.9	10.2
25	-4	3.59	34.3	10.1
20	-7	3.48	33.6	9.8
17	-8	3.41	33.2	9.7
15	-9	3.38	31.9	9.3
10	-12	3.31	28.7	8.4
5	-15	3.10	25.6	7.5
0	-18	2.89	22.4	6.6
-5	-21	2.68	19.3	5.7
-10	-23	2.47	16.2	4.7
-15	-26	2.26	13.1	3.8
-20	-29	2.05	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CH23-68]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	44.0	12.9	2.05	.78	.92	1.00	42.0	12.3	2.39	.79	.94	1.00	39.5	11.6	2.78	.82	.97	1.00	37.6	11.0	3.22	.84	.99	1.00
	1400	660	44.5	13.0	2.05	.80	.94	1.00	42.5	12.5	2.39	.82	.97	1.00	40.5	11.9	2.77	.84	.99	1.00	38.5	11.3	3.21	.87	1.00	1.00
	1500	710	45.5	13.3	2.04	.81	.97	1.00	43.5	12.7	2.38	.83	.99	1.00	41.5	12.2	2.77	.86	1.00	1.00	39.0	11.4	3.20	.89	1.00	1.00
67°F (19°C)	1300	615	46.5	13.6	2.04	.61	.75	.88	44.5	13.0	2.38	.62	.77	.91	42.5	12.5	2.76	.64	.79	.93	40.0	11.7	3.20	.65	.81	.96
	1400	660	47.5	13.9	2.04	.63	.77	.91	45.5	13.3	2.38	.64	.79	.93	43.0	12.6	2.75	.65	.81	.96	40.5	11.9	3.19	.67	.84	.99
	1500	710	48.0	14.1	2.04	.64	.79	.93	46.0	13.5	2.37	.65	.81	.96	43.5	12.7	2.75	.66	.83	.98	41.0	12.0	3.19	.68	.86	1.00
71°F (22°C)	1300	615	50.0	14.7	2.03	.47	.60	.72	47.5	13.9	2.37	.47	.61	.74	45.5	13.3	2.74	.48	.62	.76	43.0	12.6	3.17	.48	.64	.79
	1400	660	50.5	14.8	2.03	.47	.61	.75	48.5	14.2	2.36	.48	.62	.76	46.0	13.5	2.74	.48	.64	.78	43.5	12.7	3.17	.49	.65	.81
	1500	710	51.5	15.1	2.03	.48	.62	.76	49.0	14.4	2.36	.48	.64	.78	46.5	13.6	2.74	.49	.65	.80	44.0	12.9	3.17	.50	.67	.83

SECOND STAGE COOLING CAPACITY - HSXA16-060 with [CH23-68]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1600	755	58.0	17.0	3.70	.76	.90	1.00	55.0	16.1	4.15	.78	.92	1.00	52.0	15.2	4.65	.80	.95	1.00	48.5	14.2	5.21	.83	.98	1.00
	1800	850	59.5	17.4	3.72	.79	.93	1.00	56.5	16.6	4.17	.81	.96	1.00	53.5	15.7	4.67	.83	.98	1.00	50.0	14.7	5.23	.86	1.00	1.00
	2000	945	61.0	17.9	3.74	.81	.96	1.00	58.0	17.0	4.19	.84	.99	1.00	55.0	16.1	4.69	.87	1.00	1.00	51.5	15.1	5.26	.90	1.00	1.00
67°F (19°C)	1600	755	61.5	18.0	3.75	.61	.74	.86	58.5	17.1	4.20	.62	.75	.89	55.0	16.1	4.70	.63	.78	.91	51.5	15.1	5.26	.65	.80	.95
	1800	850	63.0	18.5	3.77	.62	.76	.90	60.0	17.6	4.22	.63	.78	.92	56.5	16.6	4.72	.65	.81	.95	52.5	15.4	5.28	.67	.84	.98
	2000	945	64.5	18.9	3.79	.64	.79	.93	61.5	18.0	4.24	.65	.81	.96	57.5	16.9	4.74	.67	.84	.98	54.0	15.8	5.30	.69	.87	1.00
71°F (22°C)	1600	755	66.0	19.3	3.80	.46	.59	.71	62.5	18.3	4.26	.47	.60	.73	59.0	17.3	4.76	.48	.62	.75	55.0	16.1	5.33	.48	.63	.77
	1800	850	67.0	19.6	3.82	.47	.61	.74	64.0	18.8	4.28	.47	.62	.76	60.5	17.7	4.79	.49	.63	.78	56.5	16.6	5.35	.49	.65	.81
	2000	945	69.0	20.2	3.84	.48	.63	.77	65.0	19.0	4.30	.49	.64	.79	61.5	18.0	4.80	.49	.66	.81	57.5	16.9	5.37	.51	.68	.85

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CH23-68]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1300	615	49.0	14.4	2.78	45.9	13.5	2.76	42.7	12.5	2.73	39.6	11.6	2.71
1400	660	49.5	14.5	2.70	46.4	13.6	2.68	43.3	12.7	2.66	40.1	11.8	2.64
1500	710	49.9	14.6	2.63	46.8	13.7	2.61	43.6	12.8	2.59	40.5	11.9	2.57

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CH23-68]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1600	755	64.2	18.8	4.11	49.5	14.5	3.87	33.7	9.9	3.64	24.9	7.3	3.17	12.4	3.6	2.34
1800	850	64.9	19.0	3.99	50.2	14.7	3.75	34.4	10.1	3.52	25.6	7.5	3.05	13.1	3.8	2.22
2000	945	65.5	19.2	3.90	50.8	14.9	3.66	35.0	10.3	3.43	26.2	7.7	2.96	13.7	4.0	2.13

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume
HPXA16-060 with [CH23-68]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.99	64.9	19.0
60	16	3.92	61.6	18.1
55	13	3.85	58.3	17.1
50	10	3.79	55.1	16.1
47	8	3.75	53.1	15.6
45	7	3.75	50.2	14.7
40	4	3.74	43.0	12.6
35	2	3.73	35.8	10.5
30	-1	3.63	35.1	10.3
25	-4	3.52	34.4	10.1
20	-7	3.41	33.7	9.9
17	-8	3.35	33.3	9.8
15	-9	3.32	32.0	9.4
10	-12	3.26	28.7	8.4
5	-15	3.05	25.6	7.5
0	-18	2.84	22.4	6.6
-5	-21	2.63	19.3	5.7
-10	-23	2.43	16.2	4.7
-15	-26	2.22	13.1	3.8
-20	-29	2.01	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CH33-62D-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																								
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.5	12.7	2.05	.77	.90	1.00	41.5	12.2	2.39	.78	.93	1.00	39.0	11.4	2.77	.80	.95	1.00	36.8	10.8	3.22	.83	.98	1.00
	1400	660	44.0	12.9	2.04	.78	.92	1.00	42.0	12.3	2.39	.80	.95	1.00	40.0	11.7	2.77	.82	.98	1.00	37.6	11.0	3.21	.85	1.00	1.00
	1500	710	45.0	13.2	2.04	.80	.95	1.00	42.5	12.5	2.38	.82	.97	1.00	40.5	11.9	2.76	.84	1.00	1.00	38.5	11.3	3.20	.87	1.00	1.00
67°F (19°C)	1300	615	46.0	13.5	2.04	.61	.74	.87	44.0	12.9	2.38	.62	.76	.89	41.5	12.2	2.76	.63	.78	.92	39.5	11.6	3.19	.65	.80	.95
	1400	660	47.0	13.8	2.04	.62	.76	.89	44.5	13.0	2.37	.63	.78	.91	42.5	12.5	2.75	.65	.80	.94	40.0	11.7	3.19	.66	.82	.97
	1500	710	47.5	13.9	2.03	.63	.77	.91	45.5	13.3	2.37	.64	.79	.94	43.0	12.6	2.75	.66	.82	.96	40.5	11.9	3.18	.67	.84	.99
71°F (22°C)	1300	615	48.5	14.2	2.03	.47	.60	.72	46.5	13.6	2.36	.47	.61	.73	44.5	13.0	2.74	.48	.62	.75	42.0	12.3	3.17	.49	.63	.77
	1400	660	49.5	14.5	2.03	.48	.61	.73	47.5	13.9	2.36	.48	.62	.75	45.0	13.2	2.74	.49	.63	.77	42.5	12.5	3.17	.49	.65	.80
	1500	710	50.5	14.8	2.03	.48	.62	.75	48.0	14.1	2.36	.49	.63	.77	46.0	13.5	2.73	.49	.64	.79	43.0	12.6	3.16	.50	.66	.81

SECOND STAGE COOLING CAPACITY - HSXA16-060 with [CH33-62D-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																								
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1800	850	59.0	17.3	3.71	.77	.91	1.00	56.0	16.4	4.16	.79	.93	1.00	52.5	15.4	4.66	.81	.96	1.00	49.0	14.4	5.22	.84	.99	1.00
	2000	945	60.0	17.6	3.73	.79	.93	1.00	57.0	16.7	4.18	.81	.96	1.00	54.0	15.8	4.68	.83	.99	1.00	50.5	14.8	5.24	.87	1.00	1.00
	2200	1040	61.5	18.0	3.74	.81	.96	1.00	58.0	17.0	4.19	.83	.99	1.00	55.0	16.1	4.69	.86	1.00	1.00	52.0	15.2	5.27	.89	1.00	1.00
67°F (19°C)	1800	850	62.5	18.3	3.75	.61	.74	.87	59.0	17.3	4.21	.63	.76	.89	56.0	16.4	4.71	.64	.78	.92	52.0	15.2	5.27	.66	.81	.96
	2000	945	64.0	18.8	3.77	.63	.77	.90	60.5	17.7	4.23	.64	.79	.93	57.0	16.7	4.73	.65	.81	.96	53.5	15.7	5.29	.67	.84	.99
	2200	1040	65.0	19.0	3.79	.64	.79	.93	62.0	18.2	4.24	.65	.81	.96	58.0	17.0	4.75	.67	.84	.99	54.5	16.0	5.31	.69	.87	1.00
71°F (22°C)	1800	850	66.0	19.3	3.81	.48	.60	.72	63.0	18.5	4.26	.48	.61	.74	59.5	17.4	4.77	.48	.62	.76	55.5	16.3	5.34	.49	.64	.78
	2000	945	67.0	19.6	3.83	.48	.61	.74	64.0	18.8	4.29	.49	.63	.76	60.5	17.7	4.79	.49	.64	.78	57.0	16.7	5.36	.50	.66	.81
	2200	1040	69.0	20.2	3.85	.49	.63	.76	65.0	19.0	4.30	.49	.64	.78	62.0	18.2	4.81	.50	.66	.81	58.0	17.0	5.38	.51	.68	.84

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CH33-62D-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1300	615	47.8	14.0	3.05	44.8	13.1	3.02	41.8	12.3	3.00	38.7	11.3	2.97
1400	660	48.4	14.2	2.96	45.4	13.3	2.93	42.3	12.4	2.91	39.3	11.5	2.88
1500	710	48.8	14.3	2.88	45.8	13.4	2.85	42.8	12.5	2.83	39.7	11.6	2.80

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CH33-62D-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1800	850	63.6	18.6	4.30	49.1	14.4	4.05	33.6	9.8	3.82	24.9	7.3	3.32	12.5	3.7	2.45
2000	945	64.2	18.8	4.18	49.7	14.6	3.93	34.2	10.0	3.70	25.5	7.5	3.21	13.1	3.8	2.33
2200	1040	64.8	19.0	4.10	50.3	14.7	3.85	34.8	10.2	3.62	26.1	7.6	3.13	13.7	4.0	2.25

HEATING PERFORMANCE at 2000 cfm (945 L/s) Indoor Coil Air Volume
HPXA16-060 with [CH33-62D-2F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.18	64.2	18.8
60	16	4.11	60.9	17.8
55	13	4.04	57.7	16.9
50	10	3.98	54.5	16.0
47	8	3.93	52.5	15.4
45	7	3.93	49.7	14.6
40	4	3.93	42.6	12.5
35	2	3.93	35.5	10.4
30	-1	3.81	34.9	10.2
25	-4	3.70	34.2	10.0
20	-7	3.59	33.6	9.8
17	-8	3.52	33.2	9.7
15	-9	3.50	31.9	9.3
10	-12	3.43	28.7	8.4
5	-15	3.21	25.5	7.5
0	-18	2.99	22.4	6.6
-5	-21	2.77	19.3	5.7
-10	-23	2.55	16.2	4.7
-15	-26	2.33	13.1	3.8
-20	-29	2.12	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CH33-62D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	41.5	12.2	2.05	.73	.86	.97	39.5	11.6	2.40	.75	.87	.99	37.4	11.0	2.79	.76	.90	1.00	35.2	10.3	3.23	.78	.93	1.00
	1345	635	43.5	12.7	2.05	.77	.91	1.00	41.5	12.2	2.39	.79	.93	1.00	39.5	11.6	2.77	.81	.96	1.00	37.0	10.8	3.22	.83	.99	1.00
	1540	725	45.0	13.2	2.04	.80	.95	1.00	43.0	12.6	2.38	.82	.97	1.00	40.5	11.9	2.76	.84	1.00	1.00	38.5	11.3	3.20	.87	1.00	1.00
67°F (19°C)	1100	520	44.0	12.9	2.05	.59	.71	.82	42.0	12.3	2.39	.60	.72	.84	40.0	11.7	2.77	.60	.74	.86	37.6	11.0	3.21	.61	.75	.89
	1345	635	46.0	13.5	2.04	.61	.74	.87	44.0	12.9	2.38	.62	.76	.89	42.0	12.3	2.76	.63	.78	.92	39.5	11.6	3.19	.65	.80	.95
	1540	725	47.5	13.9	2.03	.63	.77	.91	45.5	13.3	2.37	.64	.79	.94	43.0	12.6	2.75	.66	.82	.97	40.5	11.9	3.18	.67	.84	1.00
71°F (22°C)	1100	520	46.5	13.6	2.04	.46	.57	.68	44.5	13.0	2.37	.46	.58	.69	42.5	12.5	2.75	.46	.59	.71	40.0	11.7	3.18	.47	.60	.73
	1345	635	49.0	14.4	2.03	.47	.59	.72	47.0	13.8	2.36	.47	.60	.73	44.5	13.0	2.74	.47	.62	.75	42.0	12.3	3.17	.48	.63	.77
	1540	725	50.5	14.8	2.03	.48	.62	.75	48.0	14.1	2.36	.48	.63	.77	46.0	13.5	2.73	.49	.64	.79	43.5	12.7	3.16	.49	.66	.81

SECOND STAGE COOLING CAPACITY - HPXA16-060 with [CH33-62D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1790	845	58.5	17.1	3.71	.77	.90	1.00	55.5	16.3	4.16	.78	.93	1.00	52.5	15.4	4.66	.80	.95	1.00	49.0	14.4	5.21	.83	.99	1.00
	1990	940	60.0	17.6	3.73	.79	.93	1.00	57.0	16.7	4.18	.81	.96	1.00	54.0	15.8	4.68	.83	.99	1.00	50.5	14.8	5.24	.87	1.00	1.00
	2195	1035	61.5	18.0	3.74	.81	.96	1.00	58.5	17.1	4.19	.84	.99	1.00	55.0	16.1	4.70	.86	1.00	1.00	52.0	15.2	5.27	.90	1.00	1.00
67°F (19°C)	1790	845	62.0	18.2	3.75	.61	.74	.87	59.0	17.3	4.21	.62	.76	.89	55.5	16.3	4.71	.63	.78	.92	52.0	15.2	5.27	.65	.81	.95
	1990	940	63.5	18.6	3.77	.63	.77	.90	60.5	17.7	4.23	.64	.78	.92	57.0	16.7	4.73	.65	.81	.95	53.5	15.7	5.29	.67	.84	.99
	2195	1035	65.0	19.0	3.79	.64	.79	.93	62.0	18.2	4.25	.66	.81	.96	58.0	17.0	4.75	.67	.84	.99	54.5	16.0	5.31	.69	.87	1.00
71°F (22°C)	1790	845	66.0	19.3	3.80	.47	.59	.71	62.5	18.3	4.26	.47	.61	.73	59.5	17.4	4.77	.48	.62	.75	55.5	16.3	5.33	.49	.63	.78
	1990	940	67.0	19.6	3.83	.48	.61	.74	64.0	18.8	4.28	.49	.62	.76	60.5	17.7	4.79	.49	.64	.78	57.0	16.7	5.36	.50	.66	.81
	2195	1035	69.0	20.2	3.85	.49	.63	.76	65.0	19.0	4.30	.49	.64	.79	62.0	18.2	4.81	.50	.66	.81	58.0	17.0	5.37	.51	.68	.84

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CH33-62D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	46.2	13.5	3.26	43.1	12.6	3.23	40.1	11.8	3.20	37.0	10.8	3.17
1345	635	47.6	14.0	2.99	44.5	13.0	2.96	41.4	12.1	2.93	38.4	11.3	2.90
1540	725	48.4	14.2	2.84	45.4	13.3	2.81	42.3	12.4	2.78	39.2	11.5	2.75

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CH33-62D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1790	845	63.0	18.5	4.29	48.6	14.2	4.05	33.1	9.7	3.82	24.4	7.2	3.32	12.0	3.5	2.45
1990	940	64.0	18.8	4.18	49.6	14.5	3.94	34.1	10.0	3.71	25.4	7.4	3.21	13.0	3.8	2.34
2195	1035	65.0	19.0	4.11	50.6	14.8	3.86	35.1	10.3	3.63	26.4	7.7	3.14	14.0	4.1	2.26

HEATING PERFORMANCE at 1990 cfm (940 L/s) Indoor Coil Air Volume
HPXA16-060 with [CH33-62D-2F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.18	64.0	18.8
60	16	4.12	60.8	17.8
55	13	4.05	57.6	16.9
50	10	3.98	54.4	15.9
47	8	3.94	52.4	15.4
45	7	3.94	49.6	14.5
40	4	3.93	42.5	12.5
35	2	3.93	35.4	10.4
30	-1	3.82	34.8	10.2
25	-4	3.71	34.1	10.0
20	-7	3.59	33.5	9.8
17	-8	3.53	33.1	9.7
15	-9	3.50	31.8	9.3
10	-12	3.43	28.6	8.4
5	-15	3.21	25.4	7.4
0	-18	2.99	22.3	6.5
-5	-21	2.77	19.2	5.6
-10	-23	2.56	16.1	4.7
-15	-26	2.34	13.0	3.8
-20	-29	2.12	9.9	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS + FURNACE

FIRST STAGE COOLING CAPACITY - HPXA16-060 with [CH33-62D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1230	580	42.5	12.5	2.05	.75	.88	1.00	40.5	11.9	2.39	.77	.91	1.00	38.5	11.3	2.78	.79	.93	1.00	36.2	10.6	3.22	.81	.96	1.00
	1340	630	43.5	12.7	2.05	.77	.91	1.00	41.5	12.2	2.39	.79	.93	1.00	39.5	11.6	2.77	.81	.96	1.00	37.0	10.8	3.22	.83	.99	1.00
	1400	660	44.0	12.9	2.04	.78	.92	1.00	42.0	12.3	2.39	.80	.95	1.00	40.0	11.7	2.77	.82	.97	1.00	37.4	11.0	3.21	.84	1.00	1.00
67°F (19°C)	1230	580	45.0	13.2	2.04	.60	.73	.85	43.0	12.6	2.38	.61	.74	.87	41.0	12.0	2.76	.62	.76	.89	38.5	11.3	3.20	.63	.78	.92
	1340	630	46.0	13.5	2.04	.61	.74	.87	44.0	12.9	2.38	.62	.76	.89	42.0	12.3	2.76	.63	.78	.92	39.5	11.6	3.19	.65	.80	.95
	1400	660	46.5	13.6	2.04	.62	.75	.88	44.5	13.0	2.37	.63	.77	.91	42.5	12.5	2.75	.64	.79	.94	40.0	11.7	3.19	.66	.82	.97
71°F (22°C)	1230	580	48.0	14.1	2.03	.46	.58	.70	46.0	13.5	2.37	.47	.59	.72	43.5	12.7	2.74	.47	.60	.73	41.5	12.2	3.18	.47	.62	.75
	1340	630	49.0	14.4	2.03	.47	.60	.72	47.0	13.8	2.36	.47	.61	.73	44.5	13.0	2.74	.48	.62	.75	42.0	12.3	3.17	.48	.63	.78
	1400	660	49.5	14.5	2.03	.47	.60	.73	47.5	13.9	2.36	.48	.61	.75	45.0	13.2	2.74	.48	.63	.76	42.5	12.5	3.17	.49	.64	.79

SECOND STAGE COOLING CAPACITY - HPXA16-060 with [CH33-62D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1760	830	58.5	17.1	3.70	.76	.90	1.00	55.5	16.3	4.15	.78	.92	1.00	52.5	15.4	4.65	.80	.95	1.00	49.0	14.4	5.21	.83	.98	1.00
	1905	900	59.5	17.4	3.72	.78	.92	1.00	56.5	16.6	4.17	.80	.95	1.00	53.0	15.5	4.67	.82	.97	1.00	50.0	14.7	5.23	.85	1.00	1.00
	2000	945	60.0	17.6	3.73	.79	.93	1.00	57.0	16.7	4.18	.81	.96	1.00	53.5	15.7	4.68	.83	.99	1.00	50.5	14.8	5.24	.86	1.00	1.00
67°F (19°C)	1760	830	62.0	18.2	3.75	.61	.74	.86	59.0	17.3	4.20	.62	.76	.88	55.5	16.3	4.71	.63	.78	.91	52.0	15.2	5.27	.65	.80	.95
	1905	900	63.0	18.5	3.76	.62	.76	.88	59.5	17.4	4.22	.63	.77	.91	56.5	16.6	4.72	.64	.80	.94	53.0	15.5	5.28	.66	.82	.98
	2000	945	63.5	18.6	3.77	.63	.76	.90	60.5	17.7	4.23	.64	.78	.92	57.0	16.7	4.73	.65	.81	.95	53.5	15.7	5.29	.67	.84	.99
71°F (22°C)	1760	830	66.0	19.3	3.80	.47	.59	.71	62.5	18.3	4.26	.48	.60	.73	59.0	17.3	4.77	.48	.62	.75	55.5	16.3	5.33	.49	.63	.78
	1905	900	67.0	19.6	3.82	.48	.60	.73	63.5	18.6	4.27	.48	.62	.75	60.0	17.6	4.78	.49	.63	.77	56.5	16.6	5.35	.49	.65	.80
	2000	945	67.0	19.6	3.83	.48	.61	.74	64.0	18.8	4.28	.48	.62	.76	60.5	17.7	4.79	.49	.64	.78	57.0	16.7	5.36	.50	.66	.81

FIRST STAGE HEATING CAPACITY - HPXA16-060 with [CH33-62D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1236	585	46.9	13.7	3.09	43.9	12.9	3.06	40.8	12.0	3.03	37.8	11.1	3.00
1340	630	47.5	13.9	2.99	44.5	13.0	2.97	41.5	12.2	2.94	38.5	11.3	2.91
1400	660	47.9	14.0	2.95	44.9	13.2	2.92	41.9	12.3	2.89	38.9	11.4	2.86

SECOND STAGE HEATING CAPACITY - HPXA16-060 with [CH33-62D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1760	835	63.1	18.5	4.30	48.7	14.3	4.05	33.3	9.8	3.82	24.6	7.2	3.33	12.4	3.6	2.44
1905	900	63.6	18.6	4.22	49.2	14.4	3.97	33.8	9.9	3.74	25.1	7.4	3.25	12.9	3.8	2.36
2000	945	63.7	18.7	4.18	49.3	14.4	3.94	33.9	9.9	3.71	25.2	7.4	3.21	13.0	3.8	2.33

HEATING PERFORMANCE at 1905 cfm (900 L/s) Indoor Coil Air Volume
HPXA16-060 with [CH33-62D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.22	63.6	18.6
60	16	4.15	60.4	17.7
55	13	4.08	57.2	16.8
50	10	4.01	53.9	15.8
47	8	3.97	52.0	15.2
45	7	3.97	49.2	14.4
40	4	3.97	42.2	12.4
35	2	3.96	35.1	10.3
30	-1	3.85	34.4	10.1
25	-4	3.74	33.8	9.9
20	-7	3.63	33.1	9.7
17	-8	3.56	32.7	9.6
15	-9	3.54	31.4	9.2
10	-12	3.47	28.2	8.3
5	-15	3.25	25.1	7.4
0	-18	3.03	22.1	6.5
-5	-21	2.80	19.0	5.6
-10	-23	2.58	15.9	4.7
-15	-26	2.36	12.9	3.8
-20	-29	2.14	9.8	2.9

CERTIFICATION APPLIES ONLY
WHEN THE COMPLETE
SYSTEM IS LISTED
WITH ARI

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