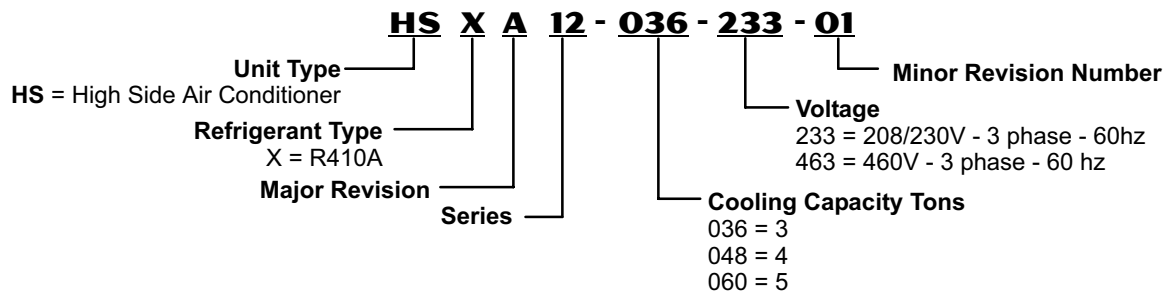


SEER - up to 12.7
3 to 5 Tons

Cooling Capacity - 32,400 to 59,500 Btuh

MODEL NUMBER IDENTIFICATION



FEATURES

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APPLICATIONS

SEER up to 12.70.
3 through 5 ton.

Three phase power supply.

Vertical air discharge allows concealment behind shrubs at grade level or out of sight on a roof.

Matching add-on furnace indoor coils or air handlers provide a wide range of cooling capacities and applications. See ARI Ratings tables.

See Indoor Coils and Air Handlers tab sections for data.

Units shipped completely factory assembled, piped, and wired. Each unit is test operated at the factory insuring proper operation.

Installer must set air conditioner, connect refrigerant lines, and make electrical connections to complete job.

APPROVALS

Certified in accordance with USE certification program which is based on ARI Standard 210/240.

Sound rated in Lennox reverberant sound test room in accordance with test conditions included in ARI Standard 270.

Tested in the Lennox Research Laboratory environmental test room.

Rated according to U.S. Department of Energy (DOE) test procedures.

Condensing units and components within bonded for grounding to meet safety standards for servicing required by UL and CEC.

Units are UL and ULC listed.

ISO 9001 Registered Manufacturing Quality System.

WARRANTY

Compressor - limited warranty for **five years**.

All other covered components - **one year**.

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

REFRIGERATION SYSTEM

Refrigerant

Non-chlorine, ozone friendly, R-410A.

Unit pre-charged with refrigerant. See Specification table.



1 Copper Tube/Enhanced Fin Coil

Lennox designed and fabricated coil.

Ripple-edged aluminum fins.

Copper tube construction.

Lanced fins provide maximum exposure of fin surface to air stream resulting in excellent heat transfer.

Fin collars grip tubing for maximum contact area.

Flared shoulder tubing connections/silver soldering construction.

Coil is factory tested under high pressure to insure leakproof construction.

Entire coil is accessible for cleaning.

PVC coated steel wire coil guard furnished as standard.



2 Condenser 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.

High Pressure Switch

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

Protects compressor from excessive condensing pressure.

Auto reset.

Low Pressure Switch

Shuts off unit if suction pressure falls below setting.

Provides loss of charge and freeze-up protection.

Automatic reset.

High Capacity Liquid Line Drier

Furnished for field installation.

Approved for use with R-410A systems.

Traps any moisture or dirt that could contaminate the refrigerant system.

OPTIONS

Expansion Valve Kits

Must be ordered extra and field installed on certain evaporator units. See ARI Ratings table.

FEATURES

REFRIGERATION SYSTEM

OPTIONS

Freezestat

Installs on or near the discharge line of the evaporator or on the suction line.

Senses suction line temperature and cycles the compressor off when suction line temperature falls below its setpoint.

Opens at 29°F and closes at 58°F.

Refrigerant Line Kits

Refrigerant lines (suction & liquid) are shipped refrigeration clean.

Lines are cleaned, dried, pressurized and sealed at factory. Suction line fully insulated.

L15 lines are stubbed at both ends.

Kits are not available for -060 models and must be field fabricated.

CONTROLS

OPTIONS

Low Ambient Kit

Condensing units operate satisfactorily down to 45°F outdoor air temperature without any additional controls.

Low Ambient Control Kit can be field installed, allowing unit operation down to 30°F.

Thermostat

Thermostat not furnished with unit. See Thermostat bulletins in the Controls Section and Lennox Price Book.

COMPRESSOR

3 Copeland Scroll™ 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 be worked toward the center and discharged.

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 resilient rubber mounts for vibration free operation.



4 Compressor Time-Off Control

Prevents compressor short-cycling and allows time for suction and discharge pressure to equalize.

Permits compressor start-up in an unloaded condition. Automatic reset with 5 minute delay between compressor shut-off and start-up.

OPTIONS

Compressor Low Ambient Cut-Out

Non-adjustable switch (low ambient cut-out) prevents compressor operation when outdoor temperature is below 35°F.

Crankcase Heater

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

CABINET

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

Powder paint finish provides superior rust and corrosion protection.

Painted base section.

Control box is conveniently located with all controls factory wired.

Drainage holes are provided in base section for moisture removal.

Louvered steel top fan guard furnished as standard.

Refrigerant Line Connections, Electrical Inlets, Service Valves

Sweat connection suction and liquid lines are located on corner of unit cabinet.

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

Refrigerant line connections and field wiring inlets are located in one central area of cabinet for easy access. See dimension drawing.

OPTIONS

Hail Guards

Constructed of louvered heavy gauge steel painted to match cabinet.

Surrounds unit on all four sides to prevent damage to the coil.

Mounting Base

High density polyethylene mounting base is lightweight, sturdy, sound absorbing and will withstand the effects of sun, heat, cold, moisture, oil and refrigerant.

Provides permanent foundation for condensing units. 22-1/4 x 22-1/4 x 3 in. shipping weight 6 lbs. each.

Unit Stand-Off Kit

Black high density polyethylene feet are available to raise unit off of mounting surface away from damaging moisture.

Four feet are furnished per order number.

SPECIFICATIONS

General Data		Model No.	HSXA12-036	HSXA12-048	HSXA12-060
Nominal Tonnage			3	4	5
Connections (sweat)	Liquid line (o.d.) - in.		3/8	3/8	3/8
	Suction line (o.d.) - in.		3/4	7/8	1-1/8
Refrigerant	¹ R-410A charge furnished		5 lbs. 14 oz.	7 lbs. 15 oz.	9 lbs. 13 oz.
Condenser Coil	Net face area - sq. ft. Outer		15.11	15.11	16.33
	Inner		5.4	14.4	15.71
	Tube diameter - in.		5/16	5/16	5/16
	No. of rows		2	2	2
	Fins per inch		18	22	22
Condenser Fan	Diameter - in.		18	18	22
	No. of blades		4	4	4
	Motor hp		1/6	1/4 - 208/230V / 1/3 - 460V	1/3
	Cfm		2430	2785 - 208/230V / 2800 - 460V	3790
	Rpm		1090	1050 - 208/230V / 1100 - 460V	1075
	Watts		190	275 - 208/230V / 310 - 460V	370
	Shipping Data	lbs. (kg) 1 pkg.		160	185

ELECTRICAL DATA

Model No.		-036-233	-036-463	-048-233	-048-463	-060-233	-060-463
Line voltage data - 60hz - 3 phase		208/230V	460V	208/230V	460V	208/230V	460V
² Maximum Overcurrent Protection (amps)		25	10	35	15	40	20
³ Minimum circuit ampacity		15.4	6.9	21.7	9.8	24.5	12.2
Compressor	Rated load amps	11.5	5.1	16	7.1	18.1	9
	Power Factor	0.95	0.95	0.98	0.98	0.98	0.98
	Locked rotor amps	77	35	91	46	137	62
Condenser Fan	Full load amps	1	0.55	1.7	0.9	1.9	0.9
	Locked rotor amps	2.3	1	3.1	2.1	4.1	2.1

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

Compressor Crankcase Heater		67K90	67K89	67K90	67K89	67K90	67K89
Compressor Low Ambient Cut-Off		45F08		45F08		45F08	
Freezestat	3/8 in. tubing	93G35		93G35		93G35	
	5/8 in. tubing	50A93		50A93		50A93	
Hail Guard		17L73		17L73		45M56	
Low Ambient Kit		34M72		34M72		34M72	
Mounting Base	Model No.	MB2-L (69J07)		MB2-L (69J07)		MB2-L (69J07)	
	Net Weight	15 lbs.		15 lbs.		15 lbs.	
	Dimensions - in.	32 x 34 x 3		32 x 34 x 3		32 x 34 x 3	
Refrigerant Line Set	20 ft. length	L15-41-20		---		Field Fabricate	
	30 ft. length	L15-41-30		L15-65-30		Field Fabricate	
	40 ft. length	L15-41-40		L15-65-40		Field Fabricate	
	50 ft. length	L15-41-50		L15-65-50		Field Fabricate	
Unit Stand-Off Kit		94J45		94J45		94J45	

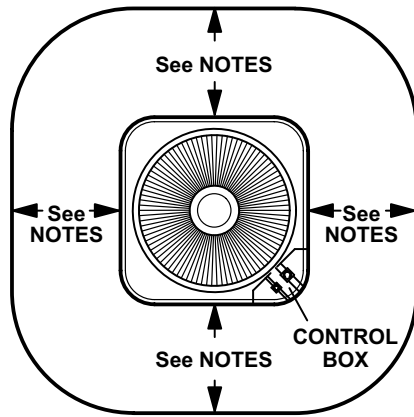
NOTE - Extremes of operating range are plus 10% and minus 5% of line voltage.

¹ Refrigerant charge sufficient for 20 ft. length of refrigerant lines

² HACR type circuit breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

INSTALLATION CLEARANCES - INCHES (MM)



NOTES:

Service clearance of 30 in. (762 mm) must be maintained on one of the sides adjacent to the control box.

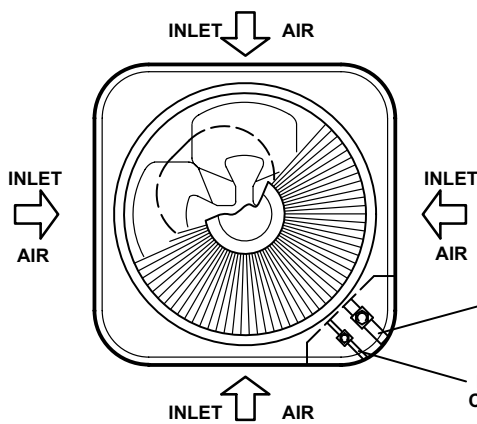
Clearance to one of the other three sides must be 36 in. (914 mm).

Clearance to one of the remaining two sides may be 12 in. (305 mm) and the final side may be 6 in. (152 mm).

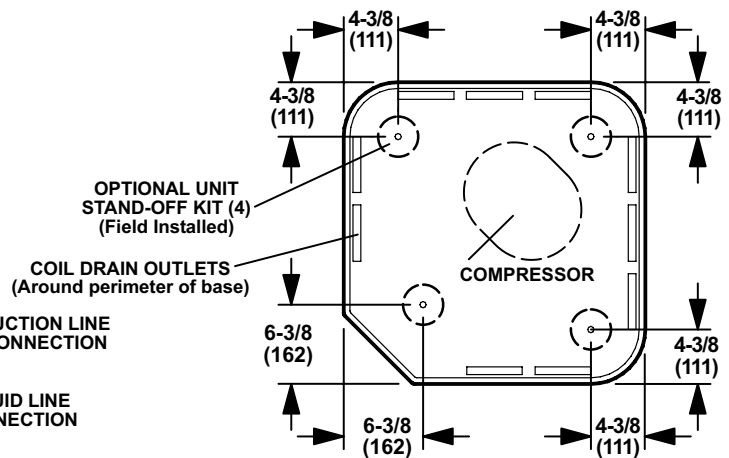
A clearance of 24 in. (610 mm) must be maintained between two units.

48 in. (1219 mm) clearance required on top of unit.

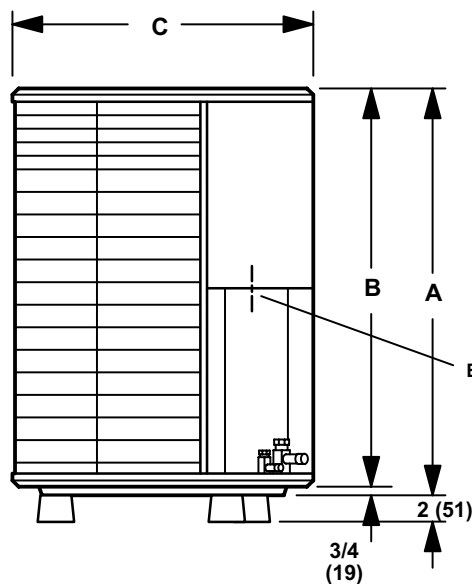
DIMENSIONS – INCHES (MM)



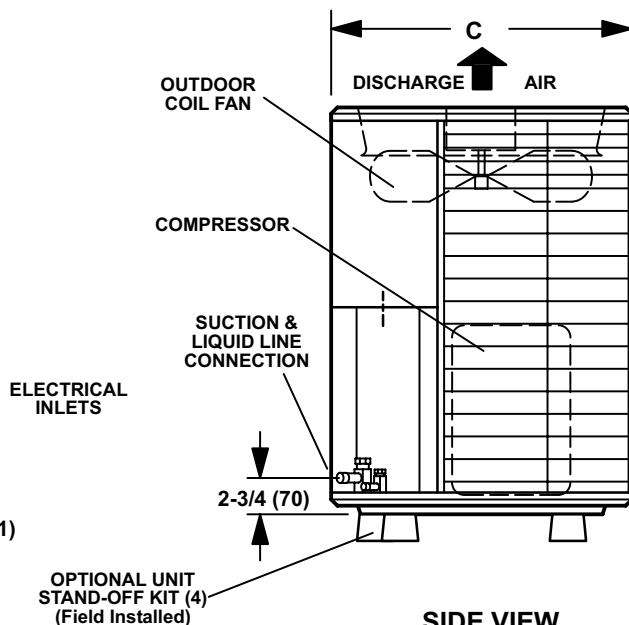
TOP VIEW



TOP VIEW BASE SECTION



SIDE VIEW



SIDE VIEW

Model No.	A		B		C	
	in.	mm	in.	mm	in.	mm
HSXA12-036-048	33	838	32-1/4	819	24-1/4	616
HSXA12-060	29	737	28-1/4	718	28-1/4	718

ARI RATINGS - INDOOR COIL / AIR HANDLER SUBSTITUTION

Substituting Coils in the ARI Tables

Most R-22 and R-410A indoor coils and air handlers are the same except for the Factory TXV expansion device. C33 coils can be used in place of the CX34 coils and CB30M can be used in place of the CBX32M air handlers.

The expansion device is based on the size of the outdoor unit. The Factory TXV RFC or TXV on the C33/CB30M must be replaced to correspond to the outdoor unit. The correct TXV's are:

3 ton air conditioners	37L51
4-5 ton air conditioners	39L72

Example:

A four-ton air conditioner is being installed. The ARI table shows that CBX32M-048 is a matching air handler. A CB30M-51 with a 91M02 TXV can be used in its place.

UP-FLOW COILS	
R-410A	R-22
CX34-36A-6F	= C33-36A-2
CX34-36B-6F	= C33-36B-2
CX34-36C-6F	= C33-36C-2
CX34-42B-6F	= C33-42B-2
no equivalent	C33-44C-2
CX34-44/48B-6F	= C33-48B-2
CX34-44/48C-6F	= C33-48C-2
CX34-50/60C-6F	= C33-50/60C-2
CX34-62D-6F	= C33-62D-2

AIR HANDLERS	
R-410A	R-22
CBX32M-030	= CB30M-31
CBX32M-036	= CB30M-41
CBX32M-042	= CB30M-46
CBX32M-048	= CB30M-51
CBX32M-060	= CB30M-65

ARI RATINGS

¹ ARI Standard 210/240 Ratings

Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.	Expansion Device
	SEER	EER			
HSXA12-036					
3 TON					
Up-Flow Indoor Coils			Up-Flow Coils		
33,400	11.60	9.85	3395	CX34-36A/B/C-6F	Factory TXV
33,400	12.60	9.85	3395	CX34-42B-6F	Factory TXV
34,600	11.90	10.15	3415	CX34-44/48B-6F	Factory TXV
35,000	12.10	10.25	3415	³ CX34-38A/B-6F	Factory TXV
Down-Flow Indoor Coils			Down-Flow Coils		
32,800	11.40	9.70	3390	CR33-24A/B-F	² 37L51
33,400	11.60	9.85	3395	CR33-48B/C-F	² 37L51
33,800	11.70	9.95	3405	CR33-30/36A/B/C-F	² 37L51
Horizontal Indoor Coils			Horizontal Coils		
32,600	11.30	9.60	3390	CH33-24/30A-2F	² 37L51
33,200	11.60	9.80	3395	CH33-36A/B/C-2F	² 37L51
33,200	11.50	9.80	3395	CH23-41	37L51
33,800	11.70	9.95	3405	CH23-51	37L51
34,400	11.90	10.10	3410	CH33-42B-2F	² 37L51
34,800	12.00	10.20	3415	CH33-44/48B-2F	² 37L51
35,000	12.00	10.25	3420	CH33-48C-2F	² 37L51
Air Handlers			Air Handlers		
32,400	11.50	9.25	3500	CB29M-41 (Multi-Position)	² 37L51
33,600	12.20	10.30	3270	CBX32M-030 (Multi-Position)	Factory TXV
33,600	12.20	10.30	3270	CB30U-31 (Up-Flow)	² 37L51
34,000	11.60	9.80	3470	CB29M-46 (Multi-Position)	² 37L51
34,000	11.20	9.50	3575	CB29M-51 (Multi-Position)	² 37L51
34,400	12.40	10.45	3285	CBX32M-042 (Multi-Position)	Factory TXV
34,800	12.10	10.30	3380	CBX32M-036 (Multi-Position)	Factory TXV
34,800	12.10	10.30	3380	CB30U-41/46 (Up-Flow)	² 37L51

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 25 ft. of connecting refrigerant lines.

² Factory TXV RFC or expansion valve on indoor unit MUST be replaced with expansion valve kit (ordered separately).

³ Most popular indoor coil.

ARI RATINGS

5 TON

¹ ARI Standard 210/240 Ratings

Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.	Expansion Device
	SEER	EER			
HSXA12-048					
4 TON					
Up-Flow Indoor Coils				Up-Flow Coils	
44,500	11.60	9.60	4625	CX34-42B-6F	Factory TXV
46,500	11.90	10.00	4640	CX34-44/48C-6F	Factory TXV
47,000	12.00	10.10	4650	³ CX34-50/60C-6F	Factory TXV
Down-Flow Indoor Coils				Down-Flow Coils	
45,000	11.70	9.75	4625	CR33-30/36A/B-F	² 39L72
45,500	11.80	9.80	4635	CR33-48B/C-F	² 39L72
47,000	12.10	10.10	4655	CR33-50/60C-F	² 39L72
47,000	12.10	10.10	4655	CR33-60D-F	² 39L72
Horizontal Indoor Coils				Horizontal Coils	
46,000	11.90	9.90	4640	CH23-51	39L72
46,500	11.90	10.00	4645	CH33-42B-2F	² 39L72
46,500	12.00	10.00	4650	CH23-65	39L72
47,000	12.20	10.10	4650	CH33-48C-2F	² 39L72
47,500	12.20	10.20	4655	CH33-60D-2F	² 39L72
48,000	12.30	10.30	4660	CH33-50/60C-2F	² 39L72
48,000	12.40	10.30	4660	CH23-68	39L72
Air Handlers				Air Handlers	
44,500	11.40	9.45	4705	CB29M-46 (Multi-Position)	² 39L72
45,000	12.00	9.90	4540	CBX32M-042 (Multi-Position)	Factory TXV
45,000	12.00	9.90	4540	CB30U-41/46 (Up-Flow)	² 39L72
45,500	11.40	9.45	4805	CB29M-51 (Multi-Position)	² 39L72
46,000	11.70	9.80	4705	CB29M-65 (Multi-Position)	² 39L72
47,500	12.70	10.45	4535	CBX32M-048 (Multi-Position)	Factory TXV
47,500	12.70	10.45	4535	CB30U-51 (Up-Flow)	² 39L72
48,000	12.50	10.40	4610	CBX32M-060 (Multi-Position)	Factory TXV
48,000	12.50	10.40	4610	CB30U-65 (Up-Flow)	² 39L72
HSXA12-060					
Up-Flow Indoor Coils				Up-Flow Coils	
57,000	11.80	9.80	5805	CX34-44/48B/C-6F	Factory TXV
57,500	12.00	9.90	5810	³ CX34-50/60C-6F	Factory TXV
59,500	12.30	10.20	5840	CX34-62D-6F	Factory TXV
Down-Flow Indoor Coils				Down-Flow Coils	
55,500	11.80	9.60	5780	CR33-48B/C-F	² 39L72
57,500	12.00	9.90	5810	CR33-50/60C-F	² 39L72
57,500	12.00	9.90	5810	CR33-60D-F	² 39L72
Horizontal Indoor Coils				Horizontal Coils	
57,000	11.90	9.80	5805	CH23-65	39L72
58,000	12.00	9.95	5815	CH33-48C-2F	² 39L72
58,500	12.10	10.05	5825	CH33-60D-2F	² 39L72
59,000	12.20	10.15	5825	CH33-50/60C-2F	² 39L72
59,000	12.20	10.10	5830	CH33-62D-2F	² 39L72
59,500	12.30	10.20	5840	CH23-68	39L72
Air Handlers				Air Handlers	
55,500	11.00	9.15	6050	CB29M-51 (Multi-Position)	² 39L72
56,000	11.40	9.50	5885	CB29M-65 (Multi-Position)	² 39L72
57,500	12.30	10.15	5665	CBX32M-048 (Multi-Position)	Factory TXV
57,500	12.30	10.15	5665	CB30U-51 (Multi-Position)	² 39L72
59,000	12.40	10.25	5760	CBX32M-060 (Multi-Position)	Factory TXV
59,000	12.40	10.25	5760	CB30U-65 (Up-Flow)	² 39L72

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 25 ft. of connecting refrigerant lines.

² **Factory TXV RFC or expansion valve on indoor unit MUST be replaced with expansion valve kit (ordered separately).**

³ Most popular indoor coil.

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.

UP-FLOW INDOOR COILS

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			
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	
COOLING CAPACITY - HSXA12-036 with [CX34-36A/B/C-6F]																											
63°F (17°C)	1020	480	33.9	9.9	2.39	.75	.90	1.00	32.2	9.4	2.71	.77	.92	1.00	30.5	8.9	3.09	.79	.95	1.00	28.6	8.4	3.52	.82	.97	1.00	
	1220	575	34.8	10.2	2.40	.80	.96	1.00	33.2	9.7	2.72	.82	.97	1.00	31.4	9.2	3.10	.85	1.00	1.00	29.6	8.7	3.54	.87	1.00	1.00	
	1420	670	35.7	10.5	2.41	.84	.99	1.00	34.1	10.0	2.73	.87	1.00	1.00	32.4	9.5	3.11	.89	1.00	1.00	30.5	8.9	3.55	.93	1.00	1.00	
67°F (19°C)	1020	480	35.8	10.5	2.41	.58	.73	.87	34.0	10.0	2.73	.59	.75	.89	32.1	9.4	3.11	.61	.77	.92	30.0	8.8	3.54	.62	.79	.95	
	1220	575	36.6	10.7	2.41	.61	.77	.93	34.7	10.2	2.74	.62	.80	.95	32.7	9.6	3.11	.64	.82	.98	30.6	9.0	3.55	.66	.85	1.00	
	1420	670	37.2	10.9	2.42	.64	.82	.97	35.3	10.3	2.74	.65	.84	.99	33.3	9.8	3.12	.67	.87	1.00	31.1	9.1	3.56	.69	.90	1.00	
71°F (22°C)	1020	480	38.1	11.2	2.43	.43	.57	.71	36.2	10.6	2.75	.43	.58	.72	34.1	10.0	3.13	.44	.59	.74	31.9	9.3	3.57	.44	.61	.77	
	1220	575	38.9	11.4	2.44	.44	.60	.75	36.9	10.8	2.76	.44	.61	.78	34.7	10.2	3.14	.45	.63	.80	32.4	9.5	3.58	.46	.65	.83	
	1420	670	39.4	11.5	2.44	.45	.63	.80	37.4	11.0	2.77	.46	.64	.83	35.2	10.3	3.15	.46	.66	.85	32.7	9.6	3.59	.47	.69	.89	

COOLING CAPACITY - HSXA12-036 with [CX34-38A/B-6F]																											
63°F (17°C)	1100	520	35.6	10.4	2.41	.77	.92	1.00	33.8	9.9	2.73	.79	.95	1.00	31.9	9.3	3.11	.82	.97	1.00	29.9	8.8	3.55	.85	1.00	1.00	
	1300	615	36.7	10.8	2.42	.82	.97	1.00	34.9	10.2	2.74	.84	.99	1.00	33.0	9.7	3.12	.87	1.00	1.00	31.0	9.1	3.56	.90	1.00	1.00	
	1500	710	37.7	11.0	2.43	.86	1.00	1.00	36.0	10.6	2.75	.89	1.00	1.00	34.1	10.0	3.13	.92	1.00	1.00	32.0	9.4	3.57	.95	1.00	1.00	
67°F (19°C)	1100	520	37.7	11.0	2.43	.60	.75	.89	35.8	10.5	2.75	.61	.77	.92	33.6	9.8	3.13	.62	.79	.94	31.3	9.2	3.57	.64	.82	.98	
	1300	615	38.5	11.3	2.44	.62	.80	.95	36.5	10.7	2.76	.64	.82	.97	34.3	10.1	3.14	.65	.85	.99	31.9	9.3	3.58	.68	.88	1.00	
	1500	710	39.1	11.5	2.45	.65	.85	.99	37.0	10.8	2.77	.67	.87	1.00	34.8	10.2	3.15	.69	.90	1.00	32.4	9.5	3.59	.72	.94	1.00	
71°F (22°C)	1100	520	40.2	11.8	2.46	.44	.58	.72	38.1	11.2	2.78	.44	.59	.75	35.8	10.5	3.16	.45	.61	.77	33.3	9.8	3.60	.45	.63	.80	
	1300	615	40.9	12.0	2.46	.45	.61	.78	38.8	11.4	2.79	.45	.63	.80	36.4	10.7	3.17	.46	.65	.83	33.8	9.9	3.61	.47	.67	.86	
	1500	710	41.5	12.2	2.47	.46	.64	.82	39.2	11.5	2.80	.47	.66	.85	36.8	10.8	3.18	.48	.68	.88	34.2	10.0	3.62	.49	.71	.92	

COOLING CAPACITY - HSXA12-036 with [CX34-42B-6F]																											
63°F (17°C)	1030	485	33.8	9.9	2.39	.75	.90	1.00	32.2	9.4	2.71	.77	.93	1.00	30.4	8.9	3.09	.80	.95	1.00	28.5	8.4	3.52	.82	.98	1.00	
	1230	580	34.8	10.2	2.40	.80	.96	1.00	33.2	9.7	2.72	.82	.98	1.00	31.4	9.2	3.10	.85	.99	1.00	29.5	8.6	3.54	.88	1.00	1.00	
	1430	675	35.7	10.5	2.41	.85	.99	1.00	34.1	10.0	2.73	.87	1.00	1.00	32.4	9.5	3.11	.90	1.00	1.00	30.5	8.9	3.55	.93	1.00	1.00	
67°F (19°C)	1030	485	35.8	10.5	2.41	.58	.73	.87	34.0	10.0	2.73	.59	.75	.90	32.0	9.4	3.11	.61	.77	.92	29.9	8.8	3.54	.62	.80	.95	
	1230	580	36.5	10.7	2.41	.61	.78	.93	34.7	10.2	2.74	.62	.80	.96	32.7	9.6	3.11	.64	.82	.98	30.5	8.9	3.55	.66	.86	1.00	
	1430	675	37.1	10.9	2.42	.64	.83	.98	35.2	10.3	2.74	.65	.85	.99	33.2	9.7	3.12	.68	.88	1.00	31.0	9.1	3.56	.70	.91	1.00	
71°F (22°C)	1030	485	38.1	11.2	2.43	.43	.57	.71	36.1	10.6	2.75	.43	.58	.72	34.1	10.0	3.13	.44	.59	.75	31.8	9.3	3.57	.45	.61	.78	
	1230	580	38.8	11.4	2.44	.44	.60	.76	36.8	10.8	2.76	.44	.61	.78	34.7	10.2	3.14	.45	.63	.80	32.3	9.5	3.58	.46	.65	.84	
	1430	675	39.3	11.5	2.44	.45	.63	.80	37.3	10.9	2.77	.46	.64	.83	35.1	10.3	3.15	.47	.67	.86	32.7	9.6	3.59	.48	.69	.90	

COOLING CAPACITY - HSXA12-036 with [CX34-44/48B-6F]																											
63°F (17°C)	1090	515	35.1	10.3	2.39	.75	.91	1.00	33.4	9.8	2.71	.77	.93	1.00	31.5	9.2	3.09	.80	.96	1.00	29.4	8.6	3.52	.82	.99	1.00	
	1290	610	36.1	10.6	2.40	.80	.96	1.00	34.3	10.1	2.72	.82	.98	1.00	32.5	9.5	3.10	.85	1.00	1.00	30.5	8.9	3.53	.88	1.00	1.00	
	1490	705	37.0	10.8	2.41	.84	1.00	1.00	35.3	10.3	2.73	.87	1.00	1.00	33.5	9.8	3.11	.90	1.00	1.00	31.5	9.2	3.55	.93	1.00	1.00	
67°F (19°C)	1090	515	37.3	10.9	2.41	.58	.73	.88	35.3	10.3	2.73	.59	.75	.90	33.3	9.8	3.11	.61	.77	.93	31.0	9.1	3.54	.62	.80	.96	
	1290	610	38.1	11.2	2.42	.61	.78	.93	36.1	10.6	2.75	.62	.80	.96	33.9	9.9	3.12	.64	.82	.98	31.6	9.3	3.55	.66	.86	1.00	
	1490	705	38.7	11.3	2.43	.64	.82	.98	36.6	10.7	2.75	.65	.85	.99	34.4	10.1	3.13	.67	.88	1.00	32.1	9.4	3.56	.70	.91	1.00	
71°F (22°C)	1090	515	39.7	11.6	2.44	.43	.57	.71	37.7	11.0	2.76	.43	.58	.72	35.5	10.4	3.14	.44	.59	.75	33.0	9.7	3.58	.44	.61	.78	
	1290	610	40.5	11.9	2.45	.44	.60	.76	38.4	11.3	2.77	.44	.61	.78	36.1	10.6	3.15	.45	.63	.80	33.5	9.8	3.59	.46	.65	.84	
	1490	705	41.1	12.0	2.45	.45	.63	.80	38.9	11.4	2.78	.46	.64	.83	36.5	10.7	3.15	.46	.66	.86	33.9	9.9	3.59	.48	.69	.89	

DOWN-FLOW INDOOR COILS

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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C

COOLING CAPACITY - HSXA12-036 with [CR33-24A/B-F]																											
63°F (17°C)	1020	480	33.2	9.7	2.38	.76	.90	1.00	31.6	9.3	2.71	.77	.92	1.00	29.9	8.8	3.08	.79	.95	1.00	28.0	8.2	3.51	.82	.98	1.00	
	1220	575	34.2	10.0	2.39	.80	.95	1.00	32.5	9.5	2.72	.82	.98	1.00	30.8	9.0	3.09	.84	.99	1.00	29.0	8.5	3.52	.88	1.00	1.00	
	1420	670	35.0	10.3	2.40	.84	.99	1.00	33.5	9.8	2.72	.87	1.00	1.00	31.8	9.3	3.10	.89	1.00	1.00	29.9	8.8	3.54	.92	1.00	1.00	
67°F (19°C)	1020	480	35.2	10.3	2.40	.59	.73	.87	33.4	9.8	2.72	.59	.75	.89	31.5	9.2	3.10	.61	.77	.92	29.5	8.6	3.53	.63	.80	.95	
	1220	575	36.0	10.6	2.41	.61	.78	.93	34.1	10.0	2.73	.62	.80	.95	32.2	9.4	3.11	.64	.82	.97	30.1	8.8	3.54	.66	.85	.99	
	1420	670	36.6	10.7	2.41	.64	.82	.97	34.7	10.2	2.74	.66	.85	.99	32.7	9.6	3.11	.67	.87	1.00	30.5	8.9	3.55	.69	.90	1.00	
71°F (22°C)	1020	480	37.5	11.0	2.42	.43	.57	.71	35.6	10.4	2.75	.44	.58	.72	33.5	9.8	3.13	.44	.60	.75	31.4	9.2	3.56	.45	.61	.77	
	1220	575	38.2	11.2	2.43	.44	.60	.76	36.3	10.6	2.75	.45	.61	.78	34.2	10.0	3.13	.45	.63	.80	31.9	9.3	3.57	.46	.65	.83	
	1420	670	38.8	11.4	2.44	.45	.63	.80	36.8	10.8	2.76	.46	.64	.83	34.6	10.1	3.14	.47	.66	.85	32.3	9.5	3.58	.48	.69	.89	

COOLING CAPACITY - HSXA12-036 with [CR33-30/36A/B/C-F]																											
63°F (17°C)	1070	505	34.5	10.1	2.39	.78	.93	1.00	32.8	9.6	2.71	.79	.95	1.00	30.9	9.1	3.09	.82	.98	1.00	28.9	8.5	3.52	.85	1.00	1.00	
	1270																										

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.

HORIZONTAL INDOOR COILS

Table with columns for Entering Wet Bulb Temperature, Total Air Volume, Total Cooling Capacity, and Sensible To Total Ratio (S/T) Dry Bulb for three outdoor air temperatures: 85°F (29°C), 95°F (35°C), and 105°F (41°C).

COOLING CAPACITY - HSXA12-036 with [CH33-44/48B-2F]

Table showing cooling capacity data for HSXA12-036 with CH33-44/48B-2F coils at 63°F, 67°F, and 71°F indoor temperatures.

COOLING CAPACITY - HSXA12-036 with [CH33-48C-2F]

Table showing cooling capacity data for HSXA12-036 with CH33-48C-2F coils at 63°F, 67°F, and 71°F indoor temperatures.

AIR HANDLERS

Table with columns for Entering Wet Bulb Temperature, Total Air Volume, Total Cooling Capacity, and Sensible To Total Ratio (S/T) Dry Bulb for three outdoor air temperatures: 85°F (29°C), 95°F (35°C), and 105°F (41°C).

COOLING CAPACITY - HSXA12-036 with [CB29M-41]

Table showing cooling capacity data for HSXA12-036 with CB29M-41 air handlers at 63°F, 67°F, and 71°F indoor temperatures.

COOLING CAPACITY - HSXA12-036 with [CB29M-46]

Table showing cooling capacity data for HSXA12-036 with CB29M-46 air handlers at 63°F, 67°F, and 71°F indoor temperatures.

COOLING CAPACITY - HSXA12-036 with [CB29M-51]

Table showing cooling capacity data for HSXA12-036 with CB29M-51 air handlers at 63°F, 67°F, and 71°F indoor temperatures.

COOLING CAPACITY - HSXA12-036 with [CBX32M-030] [CB30U-31]

Table showing cooling capacity data for HSXA12-036 with CBX32M-030 and CB30U-31 air handlers at 63°F, 67°F, and 71°F indoor temperatures.

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.

AIR HANDLERS

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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
COOLING CAPACITY - HSXA12-036 with [CBX32M-036] [CB30U-41/46]																										
63°F (17°C)	1155	545	34.8	10.2	2.39	.78	.94	1.00	33.0	9.7	2.71	.80	.96	1.00	31.1	9.1	3.08	.82	.99	1.00	29.2	8.6	3.52	.86	1.00	1.00
	1230	580	35.2	10.3	2.40	.79	.96	1.00	33.4	9.8	2.72	.82	.98	1.00	31.5	9.2	3.09	.84	1.00	1.00	29.7	8.7	3.52	.88	1.00	1.00
	1305	615	35.5	10.4	2.40	.81	.98	1.00	33.8	9.9	2.72	.83	.99	1.00	32.0	9.4	3.09	.87	1.00	1.00	30.1	8.8	3.53	.90	1.00	1.00
67°F (19°C)	1155	545	36.8	10.8	2.41	.60	.75	.90	34.8	10.2	2.74	.61	.78	.93	32.8	9.6	3.11	.62	.80	.96	30.5	8.9	3.54	.64	.83	.99
	1230	580	37.1	10.9	2.42	.61	.77	.93	35.1	10.3	2.74	.62	.79	.95	33.0	9.7	3.11	.64	.82	.98	30.7	9.0	3.54	.66	.85	1.00
	1305	615	37.3	10.9	2.42	.62	.79	.95	35.3	10.3	2.74	.63	.81	.97	33.2	9.7	3.11	.65	.84	.99	30.9	9.1	3.55	.67	.88	1.00
71°F (22°C)	1155	545	39.2	11.5	2.44	.43	.58	.73	37.1	10.9	2.77	.44	.59	.75	34.8	10.2	3.14	.45	.61	.78	32.4	9.5	3.57	.45	.63	.81
	1230	580	39.5	11.6	2.44	.44	.59	.75	37.4	11.0	2.77	.44	.61	.77	35.1	10.3	3.14	.45	.63	.80	32.6	9.6	3.58	.46	.65	.83
	1305	615	39.7	11.6	2.45	.44	.61	.77	37.6	11.0	2.77	.45	.62	.79	35.3	10.3	3.14	.45	.64	.82	32.8	9.6	3.58	.46	.66	.86
COOLING CAPACITY - HSXA12-036 with [CBX32M-042]																										
63°F (17°C)	1070	505	34.4	10.1	2.39	.76	.91	1.00	32.7	9.6	2.71	.78	.94	1.00	30.8	9.0	3.08	.80	.96	1.00	28.8	8.4	3.51	.83	.99	1.00
	1270	600	35.4	10.4	2.40	.80	.97	1.00	33.7	9.9	2.72	.83	.99	1.00	31.9	9.3	3.09	.86	1.00	1.00	29.9	8.8	3.53	.89	1.00	1.00
	1470	695	36.4	10.7	2.40	.85	1.00	1.00	34.7	10.2	2.73	.88	1.00	1.00	32.9	9.6	3.10	.91	1.00	1.00	30.9	9.1	3.54	.94	1.00	1.00
67°F (19°C)	1070	505	36.5	10.7	2.41	.59	.73	.88	34.6	10.1	2.73	.60	.75	.90	32.5	9.5	3.10	.61	.78	.93	30.3	8.9	3.54	.63	.80	.97
	1270	600	37.3	10.9	2.42	.61	.78	.94	35.3	10.3	2.74	.63	.80	.96	33.2	9.7	3.11	.64	.83	.99	30.9	9.1	3.55	.66	.86	1.00
	1470	695	37.9	11.1	2.42	.64	.83	.98	35.9	10.5	2.75	.66	.85	1.00	33.7	9.9	3.12	.68	.88	1.00	31.4	9.2	3.56	.70	.92	1.00
71°F (22°C)	1070	505	38.9	11.4	2.43	.43	.57	.71	36.9	10.8	2.76	.43	.58	.73	34.7	10.2	3.13	.44	.60	.75	32.2	9.4	3.57	.45	.61	.78
	1270	600	39.7	11.6	2.45	.44	.60	.76	37.5	11.0	2.77	.44	.62	.78	35.2	10.3	3.14	.45	.63	.81	32.8	9.6	3.58	.46	.65	.84
	1470	695	40.2	11.8	2.45	.45	.63	.81	38.0	11.1	2.77	.46	.65	.83	35.7	10.5	3.15	.47	.67	.87	33.1	9.7	3.59	.48	.70	.90

RATINGS

4 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.

UP-FLOW INDOOR COILS

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		
kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C				
COOLING CAPACITY - HSXA12-048 with [CX34-42B-6F]																										
63°F (17°C)	1400	660	45.4	13.3	3.28	.75	.89	1.00	43.5	12.7	3.74	.76	.91	1.00	41.5	12.2	4.28	.78	.93	1.00	39.3	11.5	4.92	.80	.95	1.00
	1600	755	46.3	13.6	3.29	.78	.93	1.00	44.4	13.0	3.75	.80	.95	1.00	42.3	12.4	4.29	.82	.97	1.00	40.1	11.8	4.94	.84	.99	1.00
	1800	850	47.1	13.8	3.30	.81	.96	1.00	45.2	13.2	3.76	.83	.98	1.00	43.1	12.6	4.30	.85	1.00	1.00	41.0	12.0	4.93	.87	1.00	1.00
67°F (19°C)	1400	660	47.9	14.0	3.30	.59	.73	.86	45.9	13.5	3.76	.59	.74	.88	43.7	12.8	4.30	.60	.76	.90	41.4	12.1	4.94	.62	.78	.93
	1600	755	48.6	14.2	3.31	.60	.76	.90	46.6	13.7	3.77	.61	.78	.92	44.4	13.0	4.31	.62	.79	.94	41.9	12.3	4.96	.64	.82	.97
	1800	850	49.3	14.4	3.32	.62	.79	.94	47.1	13.8	3.78	.63	.81	.96	44.9	13.2	4.32	.65	.83	.98	42.4	12.4	4.96	.66	.86	1.00
71°F (22°C)	1400	660	50.8	14.9	3.34	.43	.57	.70	48.7	14.3	3.79	.44	.58	.72	46.4	13.6	4.33	.44	.59	.74	43.9	12.9	4.97	.45	.60	.76
	1600	755	51.5	15.1	3.34	.44	.59	.74	49.4	14.5	3.80	.44	.60	.75	47.0	13.8	4.34	.45	.61	.77	44.5	13.0	4.98	.46	.63	.80
	1800	850	52.1	15.3	3.35	.45	.61	.77	49.9	14.6	3.81	.45	.62	.79	47.5	13.9	4.35	.46	.64	.81	44.9	13.2	4.99	.46	.65	.84
COOLING CAPACITY - HSXA12-048 with [CX34-44/48C-6F]																										
63°F (17°C)	1400	660	47.0	13.8	3.29	.74	.88	.99	45.0	13.2	3.74	.75	.89	1.00	42.8	12.5	4.28	.77	.92	1.00	40.5	11.9	4.91	.79	.94	1.00
	1600	755	48.0	14.1	3.30	.77	.91	1.00	45.9	13.5	3.76	.78	.93	1.00	43.7	12.8	4.29	.80	.96	1.00	41.4	12.1	4.92	.82	.98	1.00
	1800	850	48.8	14.3	3.31	.80	.95	1.00	46.7	13.7	3.77	.81	.97	1.00	44.6	13.1	4.30	.83	.99	1.00	42.2	12.4	4.93	.86	1.00	1.00
67°F (19°C)	1400	660	49.8	14.6	3.32	.58	.71	.84	47.7	14.0	3.77	.58	.72	.86	45.3	13.3	4.31	.59	.74	.88	42.8	12.5	4.95	.61	.76	.91
	1600	755	50.7	14.9	3.33	.59	.74	.89	48.5	14.2	3.78	.60	.76	.90	46.1	13.5	4.32	.61	.78	.93	43.5	12.7	4.96	.63	.80	.95
	1800	850	51.4	15.1	3.33	.61	.77	.92	49.1	14.4	3.79	.62	.79	.94	46.7	13.7	4.33	.63	.81	.96	44.1	12.9	4.96	.65	.84	.99
71°F (22°C)	1400	660	52.9	15.5	3.35	.43	.56	.69	50.6	14.8	3.81	.43	.57	.70	48.2	14.1	4.35	.44	.58	.72	45.5	13.3	4.99	.44	.59	.74
	1600	755	53.8	15.8	3.36	.44	.58	.72	51.4	15.1	3.82	.44	.59	.74	48.9	14.3	4.36	.45	.60	.75	46.2	13.5	4.99	.45	.61	.78
	1800	850	54.5	16.0	3.37	.44	.60	.75	52.1	15.3	3.83	.45	.61	.77	49.5	14.5	4.38	.45	.62	.79	46.7	13.7	5.01	.46	.64	.82
COOLING CAPACITY - HSXA12-048 with [CX34-50/60C-6F]																										
63°F (17°C)	1400	660	47.5	13.9	3.29	.74	.87	.99	45.4	13.3	3.74	.75	.89	1.00	43.2	12.7	4.27	.77	.92	1.00	40.9	12.0	4.90	.79	.94	1.00
	1600	755	48.5	14.2	3.30	.77	.91	1.00	46.4	13.6	3.75	.78	.93	1.00	44.2	13.0	4.28	.80	.96	1.00	41.7	12.2	4.92	.82	.98	1.00
	1800	850	49.4	14.5	3.31	.80	.95	1.00	47.3	13.9	3.76	.81	.97	1.00	45.0	13.2	4.30	.83	.99	1.00	42.6	12.5	4.93	.86	1.00	1.00
67°F (19°C)	1400	660	50.4	14.8	3.32	.58	.71	.84	48.2	14.1	3.78	.58	.73	.86	45.8	13.4	4.31	.59	.74	.88	43.3	12.7	4.94	.60	.76	.91
	1600	755	51.3	15.0	3.33	.59	.74	.89	49.0	14.4	3.79	.60	.76	.90	46.6	13.7	4.32	.61	.78	.93	43.9	12.9	4.96	.63	.80	.96
	1800	850	52.0	15.2	3.34	.61	.77	.92	49.7	14.6	3.79	.62	.79	.94	47.2	13.8	4.33	.63	.81	.97	44.5	13.0	4.97	.65	.84	.99
71°F (22°C)	1400	660	53.6	15.7	3.36	.43	.56	.69	51.2	15.0	3.82	.44	.57	.70	48.7	14.3	4.35	.44	.58	.72	46.0	13.5	4.99	.44	.59	.74
	1600	755	54.5	16.0	3.37	.44	.58	.72	52.1	15.3	3.83	.44	.59	.73	49.5	14.5	4.36	.45	.60	.75	46.7	13.7	5.00	.45	.61	.78
	1800	850	55.2	16.2	3.38	.44	.60	.75	52.7	15.4	3.83	.45	.61	.77	50.1	14.7	4.37	.45	.62	.79	47.2	13.8	5.01	.46	.64	.82

DOWN-FLOW INDOOR COILS

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		
kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C				
COOLING CAPACITY - HSXA12-048 with [CR33-30/36A/B-6F]																										
63°F (17°C)	1400	660	45.8	13.4	3.29	.76	.90	1.00	43.7	12.8	3.74	.77	.92	1.00	41.6	12.2	4.27	.79	.94	1.00	39.2	11.5	4.89	.81	.97	1.00
	1600	755	46.7	13.7	3.30	.79	.94	1.00	44.6	13.1	3.75	.81	.96	1.00	42.5	12.5	4.28	.83	.98	1.00	40.1	11.8	4.90	.85	1.00	1.00
	1800	850	47.5	13.9	3.31	.82	.97	1.00	45.4	13.3	3.76	.84	.99	1.00	43.3	12.7	4.28	.86	1.00	1.00	40.9	12.0	4.91	.88	1.00	1.00
67°F (19°C)	1400	660	48.4	14.2	3.31	.59	.73	.87	46.2	13.5	3.76	.60	.75	.89	43.8	12.8	4.30	.61	.77	.91	41.3	12.1	4.92	.62	.79	.94
	1600	755	49.2	14.4	3.32	.61	.77	.91	47.0	13.8	3.77	.62	.78	.93	44.5	13.0	4.31	.63	.80	.96	41.9	12.3	4.93	.65	.83	.98
	1800	850	49.8	14.6	3.33	.63	.80	.95	47.5	13.9	3.78	.64	.82	.97	45.1	13.2	4.32	.65	.84	.99	42.5	12.5	4.94	.67	.86	1.00
71°F (22°C)	1400	660	51.4	15.1	3.34	.44	.57	.71	49.1	14.4	3.80	.44	.58	.72	46.6	13.7	4.33	.45	.59	.74	43.9	12.9	4.96	.45	.61	.76
	1600	755	52.2	15.3	3.35	.45	.59	.74	49.8	14.6	3.80	.45	.61	.76	47.2	13.8	4.34	.45	.62	.78	44.4	13.0	4.97	.46	.64	.81
	1800	850	52.8	15.5	3.36	.45	.62	.78	50.4	14.8	3.81	.46	.63	.80	47.7	14.0	4.35	.46	.64	.82	44.9	13.2	4.97	.47	.66	.85
COOLING CAPACITY - HSXA12-048 with [CR33-48B/C-F]																										
63°F (17°C)	1400	660	46.3	13.6	3.29	.74	.89	1.00	44.2	13.0	3.74	.76	.91	1.00	42.0	12.3	4.26	.78	.93	1.00	39.5	11.6	4.89	.80	.96	1.00
	1600	755	47.2	13.8	3.30	.77	.93	1.00	45.1	13.2	3.75	.79	.95	1.00	42.8	12.5	4.27	.81	.97	1.00	40.3	11.8	4.90	.83	1.00	1.00
	1800	850	48.1	14.1	3.31	.80	.96	1.00	45.9	13.5	3.75	.82	.98	1.00	43.6	12.8	4.28	.85	1.00	1.00	41.2	12.1	4.91	.87	1.00	1.00
67°F (19°C)	1400	660	49.2	14.4	3.32	.58	.72	.85	46.9	13.7	3.75	.59	.73	.87	44.5	13.0	4.30	.60	.75	.90	41.9	12.3	4.92	.61	.77	.92
	1600	755	50.0	14.7	3.33	.60	.75	.90	47.7	14.0	3.78	.61	.77	.92	45.2	13.2	4.31	.62	.79	.94	42.5	12.5	4.93	.64	.81	.97
	1800	850	50.7	14.9	3.34	.62	.78	.93	48.3	14.2	3.78	.63	.80	.95	45.8	13.4	4.31	.64	.82	.98	43.0	12.6	4.94	.66	.85	1.00
71°F (22°C)	1400	660	52.2	15.3	3.35	.44	.57	.69	49.9	14.6	3.80	.44	.57	.71	47.3	13.9	4.33	.44	.59	.73	44.5	13.0	4.96	.45	.60	.75
	1600	755	53.1	15.6	3.36	.44	.59	.73	50.6	14.8	3.81	.45	.60	.74	48.0	14.1	4.34	.45	.61	.76	45.1	13.2	4.97	.46	.62	.79
	1800	850	53.8	15.8	3.37	.45	.60	.76	51.2	15.0	3.82	.46	.62	.78	48.6	14.2	4.35	.46	.63	.80	45.6	13.4	4.98	.47	.65	.83
COOLING CAPACITY - HSXA12-048 with [CR33-50/60C-F] [CR33-60D-F]																										
63°F (17°C)	1400	660	47.8	14.0	3.31	.75	.90	1.00	45.7	13.4	3.75	.77	.92	1.00	43.3	12.7	4.29	.79	.94	1.00	40.7	11.9	4.91	.81	.97	1.00
	1600	755	48.9	14.3	3.32	.79	.94	1.00	46.6	13.7	3.77	.80	.96	1.00	44.2	13.0	4.30	.82	.98	1.00	41.6	12.2	4.92	.85	1.00	1.00
	1800	850																								

RATINGS

4 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.

HORIZONTAL INDOOR COILS

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						
kBtu/h	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW	75°F 24°C	80°F 27°C	85°F 29°C							
COOLING CAPACITY - HSXA12-048 with [CH23-51]																										
63°F (17°C)	1400	660	46.8	13.7	3.29	.74	.88	.99	44.8	13.1	3.74	.76	.90	1.00	42.7	12.5	4.27	.77	.92	1.00	40.4	11.8	4.90	.79	.94	1.00
	1600	755	47.8	14.0	3.30	.77	.92	1.00	45.8	13.4	3.75	.79	.94	1.00	43.7	12.8	4.28	.81	.96	1.00	41.3	12.1	4.92	.83	.98	1.00
	1800	850	48.8	14.3	3.30	.80	.95	1.00	46.7	13.7	3.76	.82	.97	1.00	44.5	13.0	4.29	.84	.99	1.00	42.2	12.4	4.93	.87	1.00	1.00
67°F (19°C)	1400	660	49.5	14.5	3.31	.58	.72	.85	47.3	13.9	3.77	.59	.73	.87	45.0	13.2	4.31	.60	.75	.89	42.5	12.5	4.94	.61	.77	.92
	1600	755	50.4	14.8	3.32	.60	.75	.89	48.1	14.1	3.78	.60	.77	.91	45.7	13.4	4.32	.62	.79	.93	43.2	12.7	4.95	.63	.81	.96
	1800	850	51.0	14.9	3.34	.62	.78	.93	48.4	14.3	3.79	.63	.80	.95	46.4	13.6	4.32	.64	.82	.97	43.7	12.8	4.96	.66	.85	.99
71°F (22°C)	1400	660	52.6	15.4	3.35	.43	.56	.69	50.3	14.7	3.80	.43	.57	.71	47.8	14.0	4.35	.44	.58	.73	45.2	13.2	4.97	.44	.59	.75
	1600	755	53.4	15.6	3.36	.44	.58	.73	51.0	14.9	3.82	.44	.59	.75	48.5	14.2	4.36	.44	.61	.76	45.8	13.4	4.99	.45	.62	.79
	1800	850	54.0	15.8	3.37	.44	.61	.76	51.6	15.1	3.83	.45	.62	.78	49.0	14.4	4.36	.46	.63	.80	46.3	13.6	5.00	.46	.65	.83
COOLING CAPACITY - HSXA12-048 with [CH23-65]																										
63°F (17°C)	1400	660	47.2	13.8	3.30	.76	.90	1.00	45.1	13.2	3.75	.77	.92	1.00	43.0	12.6	4.28	.79	.94	1.00	40.6	11.9	4.92	.81	.97	1.00
	1600	755	48.2	14.1	3.31	.79	.94	1.00	46.1	13.5	3.77	.81	.96	1.00	43.9	12.9	4.30	.83	.98	1.00	41.5	12.2	4.93	.85	1.00	1.00
	1800	850	49.2	14.4	3.32	.82	.98	1.00	47.1	13.8	3.77	.84	1.00	1.00	44.8	13.1	4.31	.86	1.00	1.00	42.5	12.5	4.95	.89	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	3.33	.59	.73	.87	47.7	14.0	3.79	.60	.75	.89	45.4	13.3	4.32	.61	.76	.91	42.8	12.5	4.96	.62	.79	.94
	1600	755	50.9	14.9	3.34	.61	.77	.91	48.6	14.2	3.80	.62	.78	.93	46.1	13.5	4.34	.63	.80	.96	43.4	12.7	4.97	.65	.83	.98
	1800	850	51.6	15.1	3.35	.63	.80	.95	49.2	14.4	3.81	.64	.82	.97	46.7	13.7	4.35	.66	.84	1.00	44.0	12.9	4.99	.67	.87	1.00
71°F (22°C)	1400	660	53.1	15.6	3.37	.44	.57	.71	50.7	14.9	3.83	.44	.58	.72	48.2	14.1	4.36	.45	.59	.74	45.5	13.3	5.00	.45	.61	.76
	1600	755	54.0	15.8	3.38	.45	.59	.74	51.5	15.1	3.84	.45	.61	.76	48.9	14.3	4.37	.46	.62	.78	46.1	13.5	5.02	.46	.63	.81
	1800	850	54.6	16.0	3.39	.45	.62	.78	52.2	15.3	3.84	.46	.63	.80	49.4	14.5	4.39	.47	.65	.82	46.6	13.7	5.02	.47	.66	.85
COOLING CAPACITY - HSXA12-048 with [CH23-68]																										
63°F (17°C)	1400	660	48.6	14.2	3.30	.76	.90	1.00	46.4	13.6	3.75	.77	.92	1.00	44.0	12.9	4.28	.79	.95	1.00	41.5	12.2	4.91	.81	.98	1.00
	1600	755	49.8	14.6	3.31	.79	.95	1.00	47.5	13.9	3.76	.81	.97	1.00	45.1	13.2	4.29	.83	.99	1.00	42.6	12.5	4.92	.86	1.00	1.00
	1800	850	50.8	14.9	3.32	.83	.99	1.00	48.5	14.2	3.77	.85	1.00	1.00	46.1	13.5	4.30	.87	1.00	1.00	43.8	12.8	4.93	.90	1.00	1.00
67°F (19°C)	1400	660	51.6	15.1	3.34	.59	.73	.87	49.2	14.4	3.79	.60	.75	.89	46.6	13.7	4.31	.61	.77	.91	43.9	12.9	4.94	.62	.79	.94
	1600	755	52.6	15.4	3.35	.61	.77	.92	50.1	14.7	3.80	.62	.79	.94	47.5	13.9	4.33	.63	.81	.97	44.7	13.1	4.96	.65	.83	1.00
	1800	850	53.4	15.6	3.36	.63	.80	.96	50.8	14.9	3.81	.64	.83	.99	48.1	14.1	4.34	.66	.85	1.00	45.2	13.2	4.97	.68	.88	1.00
71°F (22°C)	1400	660	54.9	16.1	3.38	.44	.57	.71	52.3	15.3	3.83	.44	.58	.72	49.6	14.5	4.36	.45	.59	.74	46.7	13.7	4.99	.45	.61	.77
	1600	755	55.8	16.4	3.39	.45	.60	.74	53.1	15.6	3.84	.45	.61	.76	50.3	14.7	4.37	.46	.62	.78	47.3	13.9	5.00	.46	.64	.81
	1800	850	56.5	16.6	3.40	.46	.62	.78	53.8	15.8	3.85	.46	.63	.80	50.9	14.9	4.38	.47	.65	.83	47.9	14.0	5.01	.47	.67	.86
COOLING CAPACITY - HSXA12-048 with [CH33-42B-2F]																										
63°F (17°C)	1400	660	46.8	13.7	3.30	.74	.88	.99	44.8	13.1	3.75	.75	.90	1.00	42.6	12.5	4.30	.77	.92	1.00	40.4	11.8	4.93	.79	.94	1.00
	1600	755	47.8	14.0	3.31	.77	.91	1.00	45.7	13.4	3.77	.78	.94	1.00	43.6	12.8	4.31	.80	.95	1.00	41.2	12.1	4.94	.82	.98	1.00
	1800	850	48.6	14.2	3.32	.79	.95	1.00	46.5	13.6	3.78	.81	.97	1.00	44.4	13.0	4.31	.83	.99	1.00	42.1	12.3	4.95	.86	1.00	1.00
67°F (19°C)	1400	660	49.6	14.5	3.32	.58	.71	.85	47.5	13.9	3.78	.58	.73	.86	45.2	13.2	4.32	.59	.74	.89	42.7	12.5	4.96	.60	.76	.91
	1600	755	50.5	14.8	3.33	.59	.74	.89	48.3	14.2	3.79	.60	.76	.91	45.9	13.5	4.34	.61	.78	.93	43.3	12.7	4.97	.63	.80	.95
	1800	850	51.2	15.0	3.34	.61	.77	.92	48.9	14.3	3.80	.62	.79	.94	46.5	13.6	4.34	.64	.81	.96	43.9	12.9	4.98	.65	.84	.99
71°F (22°C)	1400	660	52.7	15.4	3.36	.43	.56	.69	50.4	14.8	3.82	.43	.57	.70	48.0	14.1	4.36	.44	.58	.72	45.4	13.3	5.01	.44	.59	.74
	1600	755	53.6	15.7	3.37	.44	.58	.72	51.2	15.0	3.83	.44	.59	.74	48.7	14.3	4.38	.45	.60	.76	46.0	13.5	5.02	.45	.61	.78
	1800	850	54.2	15.9	3.38	.44	.60	.75	51.8	15.2	3.84	.45	.61	.77	49.3	14.4	4.38	.45	.62	.79	46.5	13.6	5.02	.46	.64	.82
COOLING CAPACITY - HSXA12-048 with [CH33-48C-2F]																										
63°F (17°C)	1400	660	47.7	14.0	3.29	.73	.87	.99	45.6	13.4	3.74	.75	.90	1.00	43.4	12.7	4.27	.76	.91	1.00	41.0	12.0	4.90	.79	.94	1.00
	1600	755	48.7	14.3	3.30	.77	.91	1.00	46.5	13.6	3.75	.78	.93	1.00	44.3	13.0	4.28	.80	.96	1.00	41.9	12.3	4.92	.82	.98	1.00
	1800	850	49.6	14.5	3.31	.79	.95	1.00	47.4	13.9	3.76	.81	.97	1.00	45.2	13.2	4.30	.83	.99	1.00	42.8	12.5	4.93	.86	1.00	1.00
67°F (19°C)	1400	660	50.6	14.8	3.32	.58	.71	.84	48.3	14.2	3.78	.59	.73	.86	46.0	13.5	4.31	.59	.74	.89	43.4	12.7	4.94	.60	.76	.91
	1600	755	51.5	15.1	3.33	.59	.74	.88	49.2	14.4	3.79	.60	.76	.91	46.7	13.7	4.32	.61	.78	.93	44.1	12.9	4.96	.63	.80	.95
	1800	850	52.2	15.3	3.34	.61	.77	.92	49.9	14.6	3.79	.62	.79	.94	47.3	13.9	4.33	.63	.81	.97	44.6	13.1	4.97	.65	.84	.99
71°F (22°C)	1400	660	53.8	15.8	3.36	.43	.56	.69	51.4	15.1	3.82	.43	.57	.70	48.8	14.3	4.36	.44	.58	.72	46.2	13.5	4.99	.44	.59	.74
	1600	755	54.7	16.0	3.37	.44	.58	.72	52.2	15.3	3.83	.44	.59	.74	49.6	14.5	4.36	.45	.60	.76	46.9	13.7	5.00	.45	.61	.78
	1800	850	55.4	16.2	3.38	.44	.60	.75	52.9	15.5	3.83	.45	.61	.77	50.2	14.7	4.37	.45	.62	.79	47.3	13.9	5.01	.		

RATINGS

4 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.

AIR HANDLERS

Table with columns for Outdoor Air Temperature, Entering Wet Bulb Temperature, Total Air Volume, Total Cooling Capacity, and Sensible To Total Ratio (S/T) Dry Bulb. Sub-headers for 85°F, 95°F, 105°F, and 115°F.

COOLING CAPACITY - HSXA12-048 with [CB29M-46]
Table with 24 columns and 9 rows of capacity data for different indoor temperatures and outdoor conditions.

COOLING CAPACITY - HSXA12-048 with [CB29M-51]
Table with 24 columns and 9 rows of capacity data for different indoor temperatures and outdoor conditions.

COOLING CAPACITY - HSXA12-048 with [CB29M-65]
Table with 24 columns and 9 rows of capacity data for different indoor temperatures and outdoor conditions.

COOLING CAPACITY - HSXA12-048 with [CBX32M-042] [CB30U-41/46]
Table with 24 columns and 9 rows of capacity data for different indoor temperatures and outdoor conditions.

COOLING CAPACITY - HSXA12-048 with [CBX32M-048] [CB30U-51]
Table with 24 columns and 9 rows of capacity data for different indoor temperatures and outdoor conditions.

COOLING CAPACITY - HSXA12-048 with [CBX32M-060] [CB30U-65]
Table with 24 columns and 9 rows of capacity data for different indoor temperatures and outdoor conditions.

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

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			
			kBtuh	kW	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	Input	75°F 24°C
COOLING CAPACITY - HSXA12-060 with [CX34-44/48B/C-6F]																												
63°F (17°C)	1650	780	57.7	16.9	4.16	.72	.86	.97	55.3	16.2	4.71	.73	.87	.98	52.7	15.4	5.34	.75	.89	.99	49.9	14.6	6.08	.77	.92	1.00		
	1850	875	58.7	17.2	4.18	.74	.89	.99	56.3	16.5	4.72	.76	.90	1.00	53.6	15.7	5.36	.77	.93	1.00	50.8	14.9	6.10	.80	.95	1.00		
	2050	970	59.6	17.5	4.18	.77	.92	1.00	57.1	16.7	4.74	.78	.94	1.00	54.4	15.9	5.37	.80	.96	1.00	51.7	15.2	6.10	.82	.97	1.00		
67°F (19°C)	1650	780	61.2	17.9	4.19	.57	.70	.82	58.6	17.2	4.75	.57	.71	.84	55.8	16.4	5.38	.58	.72	.86	52.8	15.5	6.12	.59	.74	.89		
	1850	875	62.1	18.2	4.20	.58	.72	.86	59.4	17.4	4.76	.59	.74	.88	56.5	16.6	5.39	.60	.75	.90	53.4	15.6	6.14	.61	.77	.92		
	2050	970	62.8	18.4	4.21	.59	.75	.89	60.1	17.6	4.77	.60	.76	.91	57.1	16.7	5.41	.61	.78	.93	54.0	15.8	6.15	.63	.80	.95		
71°F (22°C)	1650	780	64.9	19.0	4.24	.43	.55	.67	62.1	18.2	4.79	.43	.56	.69	59.2	17.3	5.44	.43	.57	.70	56.0	16.4	6.19	.43	.58	.72		
	1850	875	65.9	19.3	4.25	.43	.56	.70	63.0	18.5	4.81	.43	.57	.71	59.9	17.6	5.45	.44	.58	.73	56.7	16.6	6.20	.44	.60	.75		
	2050	970	66.6	19.5	4.26	.44	.58	.72	63.7	18.7	4.82	.44	.59	.74	60.6	17.8	5.46	.44	.60	.76	57.2	16.8	6.22	.45	.62	.78		
COOLING CAPACITY - HSXA12-060 with [CX34-50/60C-6F]																												
63°F (17°C)	1650	780	58.2	17.1	4.17	.73	.86	.98	55.7	16.3	4.72	.74	.88	.99	53.0	15.5	5.35	.76	.90	1.00	50.2	14.7	6.08	.77	.93	1.00		
	1850	875	59.3	17.4	4.18	.75	.89	1.00	56.8	16.6	4.73	.76	.91	1.00	54.0	15.8	5.37	.78	.94	1.00	51.1	15.0	6.10	.80	.96	1.00		
	2050	970	60.2	17.6	4.19	.77	.92	1.00	57.6	16.9	4.74	.79	.94	1.00	54.9	16.1	5.37	.81	.96	1.00	52.0	15.2	6.11	.83	.99	1.00		
67°F (19°C)	1650	780	61.8	18.1	4.20	.57	.70	.83	59.1	17.3	4.76	.58	.71	.85	56.2	16.5	5.39	.59	.73	.87	53.1	15.6	6.14	.60	.75	.89		
	1850	875	62.7	18.4	4.21	.58	.73	.86	60.0	17.6	4.77	.59	.74	.88	56.9	16.7	5.41	.60	.76	.91	53.8	15.8	6.15	.62	.78	.93		
	2050	970	63.5	18.6	4.22	.60	.75	.90	60.7	17.8	4.78	.61	.77	.92	57.6	16.9	5.42	.62	.79	.94	54.4	15.9	6.16	.63	.81	.96		
71°F (22°C)	1650	780	65.6	19.2	4.25	.43	.55	.68	62.7	18.4	4.81	.43	.56	.69	59.7	17.5	5.45	.43	.57	.71	56.4	16.5	6.21	.44	.58	.73		
	1850	875	66.6	19.5	4.26	.43	.57	.70	63.6	18.6	4.82	.44	.58	.72	60.4	17.7	5.47	.44	.59	.74	57.1	16.7	6.22	.45	.60	.76		
	2050	970	67.3	19.7	4.27	.44	.59	.73	64.3	18.8	4.83	.44	.60	.75	61.1	17.9	5.48	.45	.61	.77	57.6	16.9	6.23	.45	.62	.79		
COOLING CAPACITY - HSXA12-060 with [CX34-62D-6F]																												
63°F (17°C)	1650	780	60.2	17.6	4.18	.73	.87	.99	57.5	16.9	4.72	.75	.89	1.00	54.7	16.0	5.35	.76	.91	1.00	51.6	15.1	6.09	.78	.94	1.00		
	1850	875	61.3	18.0	4.19	.76	.90	1.00	58.6	17.2	4.73	.77	.92	1.00	55.7	16.3	5.37	.79	.95	1.00	52.6	15.4	6.11	.81	.97	1.00		
	2050	970	62.3	18.3	4.20	.78	.94	1.00	59.5	17.4	4.75	.80	.96	1.00	56.6	16.6	5.38	.82	.98	1.00	53.5	15.7	6.12	.84	1.00	1.00		
67°F (19°C)	1650	780	63.8	18.7	4.22	.57	.71	.84	60.9	17.8	4.77	.58	.72	.86	57.9	17.0	5.41	.59	.74	.88	54.5	16.0	6.15	.60	.76	.91		
	1850	875	64.8	19.0	4.24	.59	.73	.87	61.9	18.1	4.79	.60	.75	.89	58.7	17.2	5.42	.61	.77	.92	55.3	16.2	6.17	.62	.79	.94		
	2050	970	65.7	19.3	4.24	.60	.76	.91	62.7	18.4	4.80	.61	.78	.93	59.4	17.4	5.44	.63	.80	.95	55.9	16.4	6.19	.64	.83	.98		
71°F (22°C)	1650	780	67.9	19.9	4.27	.43	.56	.68	64.7	19.0	4.83	.43	.57	.70	61.5	18.0	5.47	.44	.57	.71	58.0	17.0	6.22	.44	.59	.73		
	1850	875	68.9	20.2	4.29	.44	.57	.71	65.7	19.3	4.85	.44	.58	.73	62.3	18.3	5.49	.44	.59	.75	58.6	17.2	6.25	.45	.61	.77		
	2050	970	69.7	20.4	4.30	.44	.59	.74	66.4	19.5	4.86	.45	.60	.76	62.9	18.4	5.51	.45	.61	.78	59.3	17.4	6.26	.46	.63	.80		

DOWN-FLOW INDOOR COILS

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			
			kBtuh	kW	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	Input	75°F 24°C
COOLING CAPACITY - HSXA12-060 with [CR33-48B/C-F]																												
63°F (17°C)	1650	780	56.1	16.4	4.14	.73	.86	.98	53.7	15.7	4.68	.74	.88	1.00	51.2	15.0	5.31	.75	.90	1.00	48.5	14.2	6.04	.77	.92	1.00		
	1850	875	57.1	16.7	4.15	.75	.90	1.00	54.7	16.0	4.69	.76	.91	1.00	52.1	15.3	5.32	.78	.93	1.00	49.3	14.4	6.05	.80	.96	1.00		
	2050	970	58.0	17.0	4.16	.77	.92	1.00	55.4	16.2	4.71	.79	.94	1.00	52.9	15.5	5.34	.81	.96	1.00	50.1	14.7	6.06	.83	.99	1.00		
67°F (19°C)	1650	780	59.6	17.5	4.17	.57	.70	.83	57.0	16.7	4.72	.58	.72	.85	54.3	15.9	5.35	.59	.73	.87	51.3	15.0	6.10	.60	.75	.89		
	1850	875	60.5	17.7	4.18	.58	.73	.86	57.8	16.9	4.73	.59	.74	.88	55.0	16.1	5.37	.60	.76	.91	51.9	15.2	6.11	.62	.78	.93		
	2050	970	61.2	17.9	4.19	.60	.75	.89	58.5	17.1	4.74	.61	.77	.91	55.6	16.3	5.38	.62	.78	.94	52.5	15.4	6.11	.63	.81	.96		
71°F (22°C)	1650	780	63.3	18.6	4.22	.43	.55	.68	60.5	17.7	4.77	.43	.56	.69	57.6	16.9	5.41	.44	.57	.71	54.4	15.9	6.16	.44	.58	.73		
	1850	875	64.2	18.8	4.23	.43	.57	.70	61.4	18.0	4.78	.44	.58	.72	58.3	17.1	5.42	.44	.59	.74	55.1	16.1	6.18	.45	.60	.76		
	2050	970	64.9	19.0	4.24	.44	.58	.73	62.0	18.2	4.79	.44	.59	.74	58.9	17.3	5.44	.45	.61	.76	55.6	16.3	6.19	.45	.62	.79		
COOLING CAPACITY - HSXA12-060 with [CR33-50/60C-F] [CR33-60D-F]																												
63°F (17°C)	1650	780	58.2	17.1	4.15	.74	.89	1.00	55.7	16.3	4.70	.76	.90	1.00	52.9	15.5	5.32	.78	.93	1.00	50.1	14.7	6.05	.80	.95	1.00		
	1850	875	59.3	17.4	4.16	.77	.92	1.00	56.7	16.6	4.71	.79	.94	1.00	53.9	15.8	5.33	.80	.96	1.00	51.0	14.9	6.07	.83	.98	1.00		
	2050	970	60.3	17.7	4.17	.80	.95	1.00	57.6	16.9	4.72	.81	.97	1.00	54.8	16.1	5.35	.83	.99	1.00	51.9	15.2	6.09	.86	1.00	1.00		
67°F (19°C)	1650	780	61.8	18.1	4.19	.58	.72	.85	59.0	17.3	4.74	.59	.73	.87	56.0	16.4	5.37	.60	.75	.89	52.9	15.5	6.11	.61	.77	.92		
	1850	875	62.7	18.4	4.21	.60	.75	.89	59.8	17.5	4.76	.61	.76	.91	56.8	16.6	5.39	.62	.78	.93	53.6	15.7	6.13	.63	.80	.96		
	2050	970	63.5	18.6	4.22	.61	.77	.92	60.6	17.8	4.77	.62	.79	.94	57.5	16.9	5.40	.64	.81	.97	54.2	15.9	6.15	.65	.84	.99		
71°F (22°C)	1650	780	65.6	19.2	4.24	.44	.57	.70	62.6	18.3	4.80	.44	.58	.71	59.5	17.4	5.44	.44	.59	.73	56.1	16.4	6.18	.45	.60	.75		
	1850	875	66.6	19.5	4.26	.44	.58	.72	63.5	18.6	4.81	.45	.59	.74	60.3	17.7	5.45	.45	.60	.76	56.8	16.6	6.20	.46	.62	.78		
	2050	970	67.3	19.7	4.27	.45	.60	.75	64.3	18.8	4.82	.45	.61	.77	60.9	17.8	5.46	.46	.63	.79	57.3	16.8	6.22	.46	.64	.82		

RATINGS

5 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.

HORIZONTAL INDOOR COILS

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						
																											75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C
cfm	L/s	kBtuh	kW	Input	Ratio	Ratio	Ratio	kBtuh	kW	Input	Ratio	Ratio	Ratio	kBtuh	kW	Input	Ratio	Ratio	Ratio	kBtuh	kW	Input	Ratio	Ratio	Ratio					

COOLING CAPACITY - HSXA12-060 with [CH23-65]

63°F (17°C)	1650	780	58.1	17.0	4.16	.74	.88	.99	55.5	16.3	4.71	.75	.90	1.00	52.9	15.5	5.33	.77	.92	1.00	50.0	14.7	6.06	.79	.94	1.00
	1850	875	59.1	17.3	4.17	.77	.91	1.00	56.6	16.6	4.72	.78	.93	1.00	53.9	15.8	5.34	.80	.95	1.00	51.0	14.9	6.08	.82	.97	1.00
	2050	970	60.0	17.6	4.18	.79	.94	1.00	57.5	16.9	4.73	.81	.96	1.00	54.8	16.1	5.36	.83	.98	1.00	51.9	15.2	6.09	.85	1.00	1.00
67°F (19°C)	1650	780	61.4	18.0	4.19	.58	.71	.85	58.7	17.2	4.74	.59	.73	.86	55.8	16.4	5.38	.59	.75	.89	52.7	15.4	6.12	.61	.76	.91
	1850	875	62.3	18.3	4.20	.59	.74	.88	59.5	17.4	4.76	.60	.76	.90	56.5	16.6	5.40	.61	.78	.93	53.4	15.6	6.13	.63	.80	.95
	2050	970	63.1	18.5	4.21	.61	.77	.92	60.2	17.6	4.77	.62	.79	.94	57.2	16.8	5.40	.63	.81	.96	54.0	15.8	6.14	.65	.83	.98
71°F (22°C)	1650	780	65.2	19.1	4.24	.43	.56	.69	62.3	18.3	4.80	.43	.57	.71	59.2	17.3	5.44	.44	.58	.72	55.9	16.4	6.19	.44	.59	.74
	1850	875	66.1	19.4	4.25	.44	.58	.72	63.1	18.5	4.81	.44	.59	.74	59.9	17.6	5.45	.45	.60	.76	56.5	16.6	6.20	.45	.62	.78
	2050	970	66.8	19.6	4.26	.44	.60	.75	63.8	18.7	4.82	.45	.61	.77	60.6	17.8	5.46	.45	.62	.79	57.1	16.7	6.21	.46	.64	.81

COOLING CAPACITY - HSXA12-060 with [CH23-68]

63°F (17°C)	1650	780	60.4	17.7	4.17	.74	.87	1.00	57.6	16.9	4.72	.75	.90	1.00	54.7	16.0	5.35	.77	.92	1.00	51.5	15.1	6.09	.79	.95	1.00
	1850	875	61.5	18.0	4.19	.77	.91	1.00	58.7	17.2	4.74	.78	.93	1.00	55.7	16.3	5.37	.80	.96	1.00	52.6	15.4	6.11	.82	.99	1.00
	2050	970	62.6	18.3	4.21	.79	.95	1.00	59.7	17.5	4.75	.81	.97	1.00	56.7	16.6	5.39	.83	.99	1.00	53.7	15.7	6.12	.86	1.00	1.00
67°F (19°C)	1650	780	63.9	18.7	4.22	.58	.71	.84	60.9	17.8	4.78	.59	.73	.86	57.7	16.9	5.41	.60	.75	.89	54.3	15.9	6.16	.61	.77	.92
	1850	875	65.0	19.0	4.24	.59	.74	.88	61.9	18.1	4.79	.60	.76	.90	58.6	17.2	5.43	.61	.78	.93	55.2	16.2	6.17	.63	.80	.96
	2050	970	65.8	19.3	4.26	.61	.77	.92	62.7	18.4	4.80	.62	.79	.94	59.4	17.4	5.44	.63	.81	.97	55.8	16.4	6.18	.65	.84	.99
71°F (22°C)	1650	780	67.9	19.9	4.28	.43	.56	.69	64.7	19.0	4.84	.43	.57	.70	61.3	18.0	5.48	.44	.58	.72	57.7	16.9	6.23	.44	.59	.74
	1850	875	69.0	20.2	4.30	.44	.58	.72	65.6	19.2	4.86	.44	.59	.74	62.1	18.2	5.50	.45	.60	.76	58.4	17.1	6.25	.45	.62	.78
	2050	970	69.7	20.4	4.32	.44	.60	.75	66.4	19.5	4.87	.45	.61	.77	62.8	18.4	5.51	.45	.62	.79	59.0	17.3	6.26	.46	.64	.82

COOLING CAPACITY - HSXA12-060 with [CH33-48C-2F]

63°F (17°C)	1650	780	58.6	17.2	4.17	.73	.86	.98	56.1	16.4	4.72	.74	.88	.99	53.4	15.6	5.35	.75	.90	1.00	50.6	14.8	6.08	.77	.92	1.00
	1850	875	59.6	17.5	4.18	.75	.89	1.00	57.1	16.7	4.73	.76	.91	1.00	54.3	15.9	5.37	.78	.94	1.00	51.4	15.1	6.10	.80	.96	1.00
	2050	970	60.6	17.8	4.19	.77	.93	1.00	57.9	17.0	4.74	.79	.95	1.00	55.2	16.2	5.37	.81	.96	1.00	52.3	15.3	6.11	.83	.99	1.00
67°F (19°C)	1650	780	62.2	18.2	4.20	.57	.70	.83	59.5	17.4	4.76	.58	.71	.85	56.5	16.6	5.39	.59	.73	.87	53.4	15.6	6.14	.60	.75	.90
	1850	875	63.1	18.5	4.22	.58	.73	.86	60.3	17.7	4.77	.59	.74	.88	57.3	16.8	5.41	.60	.76	.91	54.2	15.9	6.15	.62	.78	.93
	2050	970	63.9	18.7	4.23	.60	.75	.90	61.0	17.9	4.78	.61	.77	.92	58.0	17.0	5.42	.62	.79	.94	54.8	16.1	6.16	.63	.81	.96
71°F (22°C)	1650	780	66.0	19.3	4.25	.43	.55	.68	63.1	18.5	4.81	.43	.56	.69	60.0	17.6	5.45	.44	.57	.71	56.7	16.6	6.21	.44	.58	.73
	1850	875	67.0	19.6	4.26	.43	.57	.70	64.0	18.8	4.82	.44	.58	.72	60.8	17.8	5.47	.44	.59	.74	57.4	16.8	6.22	.45	.60	.76
	2050	970	67.8	19.9	4.27	.44	.58	.73	64.7	19.0	4.83	.44	.59	.75	61.5	18.0	5.48	.45	.61	.77	58.0	17.0	6.23	.45	.62	.79

COOLING CAPACITY - HSXA12-060 with [CH33-50/60C-2F]

63°F (17°C)	1650	780	59.4	17.4	4.17	.73	.87	.99	56.8	16.6	4.72	.74	.89	1.00	54.1	15.9	5.35	.76	.91	1.00	51.1	15.0	6.08	.78	.93	1.00
	1850	875	60.5	17.7	4.19	.76	.90	1.00	57.9	17.0	4.73	.77	.92	1.00	55.0	16.1	5.36	.79	.95	1.00	52.0	15.2	6.10	.81	.97	1.00
	2050	970	61.5	18.0	4.20	.78	.94	1.00	58.8	17.2	4.74	.80	.95	1.00	55.9	16.4	5.38	.82	.98	1.00	52.9	15.5	6.12	.84	1.00	1.00
67°F (19°C)	1650	780	63.1	18.5	4.21	.57	.71	.84	60.3	17.7	4.77	.58	.72	.86	57.3	16.8	5.41	.59	.74	.88	54.1	15.9	6.14	.60	.76	.90
	1850	875	64.1	18.8	4.22	.59	.73	.87	61.2	17.9	4.78	.60	.75	.89	58.1	17.0	5.41	.61	.77	.92	54.8	16.1	6.16	.62	.79	.94
	2050	970	65.0	19.0	4.24	.60	.76	.90	62.0	18.2	4.79	.61	.77	.93	58.8	17.2	5.43	.63	.80	.95	55.4	16.2	6.18	.64	.82	.98
71°F (22°C)	1650	780	67.1	19.7	4.26	.43	.56	.68	64.1	18.8	4.82	.44	.57	.70	60.9	17.8	5.47	.44	.58	.71	57.5	16.9	6.21	.44	.59	.73
	1850	875	68.1	20.0	4.28	.44	.57	.71	65.0	19.0	4.84	.44	.58	.72	61.7	18.1	5.48	.44	.60	.74	58.2	17.1	6.23	.45	.61	.77
	2050	970	68.9	20.2	4.29	.44	.59	.74	65.8	19.3	4.85	.45	.60	.75	62.4	18.3	5.49	.45	.61	.77	58.7	17.2	6.25	.46	.63	.80

COOLING CAPACITY - HSXA12-060 with [CH33-60D-2F]

63°F (17°C)	1650	780	59.0	17.3	4.17	.73	.87	.99	56.5	16.6	4.71	.75	.89	1.00	53.7	15.7	5.35	.76	.91	1.00	50.8	14.9	6.08	.78	.93	1.00
	1850	875	60.1	17.6	4.18	.76	.90	1.00	57.5	16.9	4.73	.77	.92	1.00	54.7	16.0	5.36	.79	.95	1.00	51.8	15.2	6.09	.81	.97	1.00
	2050	970	61.0	17.9	4.19	.78	.93	1.00	58.4	17.1	4.74	.80	.95	1.00	55.6	16.3	5.37	.82	.97	1.00	52.6	15.4	6.11	.84	1.00	1.00
67°F (19°C)	1650	780	62.7	18.4	4.20	.58	.71	.84	59.9	17.6	4.76	.58	.72	.86	56.9	16.7	5.40	.59	.74	.88	53.8	15.8	6.13	.60	.76	.90
	1850	875	63.7	18.7	4.22	.59	.73	.87	60.8	17.8	4.78	.60	.75	.89	57.7	16.9	5.41	.61	.77	.91	54.5	16.0	6.15	.62	.79	.94
	2050	970	64.5	18.9	4.23	.60	.76	.91	61.5	18.0	4.79	.61	.78	.93	58.4	17.1	5.41	.63	.80	.95	55.1	16.1	6.16	.64	.82	.97
71°F (22°C)	1650	780	66.6	19.5	4.25	.43	.56	.68	63.6	18.6	4.81	.44	.57	.70	60.5	17.7	5.46	.44	.58	.71	57.1	16.7	6.21	.44	.59	.73
	1850	875	67.6	19.8	4.27	.44	.57	.71	64.5	18.9	4.83	.44	.58	.73	61.3	18.0	5.47	.44	.60	.74	57.8	16.9	6.22	.45	.61	.77
	2050	970	68.4	20.0	4.28	.44	.59	.74	65.2	19.1	4.84	.45	.60	.75	61.9	18.1	5.49	.45	.61	.77	58.4	17.1	6.23	.46	.63	.80

COOLING CAPACITY - HSXA12-060 with [CH33-62D-2F]

63°F (17°C)	1650	780	59.6	17.5	4.17	.73	.87	.99	56.9	16.7	4.72	.75	.89	1.00	54.1	15.9	5.34	.76	.91	1.00	51.1	15.0	6.08	.78	.93	1.00
	1850	875	60.7	17.8	4.19	.76	.90	1.00	58.0	17.0	4.73	.77	.92	1.00	55.1	16.1	5.36	.79	.95	1.00	52.0	15.2	6.10	.81	.97	1.00
	2050	970	61.7	18.1	4.19	.78	.93	1.00	58.9	17.3	4.74	.80	.96	1.00	56.0	16.4	5.38	.8								

RATINGS

5 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.

AIR HANDLERS

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					
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C			
COOLING CAPACITY - HSXA12-060 with																											[CB29M-51]		
63°F (17°C)	1740	820	57.5	16.9	4.15	.73	.87	.99	55.1	16.1	4.70	.75	.89	1.00	52.4	15.4	5.33	.76	.91	1.00	49.7	14.6	6.06	.78	.94	1.00			
	1890	890	58.2	17.1	4.16	.75	.90	1.00	55.7	16.3	4.72	.77	.92	1.00	53.1	15.6	5.34	.78	.94	1.00	50.3	14.7	6.07	.81	.96	1.00			
	2040	965	58.9	17.3	4.17	.77	.92	1.00	56.4	16.5	4.72	.79	.94	1.00	53.7	15.7	5.35	.81	.96	1.00	50.9	14.9	6.09	.83	.98	1.00			
67°F (19°C)	1740	820	60.8	17.8	4.19	.57	.71	.84	58.2	17.1	4.74	.58	.72	.86	55.3	16.2	5.37	.59	.74	.89	52.2	15.3	6.12	.60	.76	.91			
	1890	890	61.4	18.0	4.20	.58	.73	.87	58.7	17.2	4.75	.59	.74	.89	55.8	16.4	5.39	.60	.76	.91	52.7	15.4	6.12	.61	.78	.94			
	2040	965	62.0	18.2	4.20	.59	.75	.89	59.2	17.3	4.75	.60	.76	.91	56.3	16.5	5.39	.61	.78	.94	53.2	15.6	6.13	.63	.81	.96			
71°F (22°C)	1740	820	64.5	18.9	4.23	.43	.56	.68	61.7	18.1	4.79	.43	.56	.70	58.6	17.2	5.43	.43	.57	.72	55.4	16.2	6.18	.44	.59	.74			
	1890	890	65.1	19.1	4.24	.43	.57	.70	62.2	18.2	4.80	.43	.58	.72	59.2	17.3	5.44	.44	.59	.74	55.9	16.4	6.19	.44	.60	.76			
	2040	965	65.7	19.3	4.25	.43	.58	.72	62.7	18.4	4.81	.44	.59	.74	59.6	17.5	5.45	.44	.60	.76	56.2	16.5	6.20	.45	.62	.79			
COOLING CAPACITY - HSXA12-060 with																											[CB29M-65]		
63°F (17°C)	1655	780	57.0	16.7	4.15	.72	.86	.98	54.6	16.0	4.70	.73	.88	.99	51.9	15.2	5.33	.75	.90	1.00	49.2	14.4	6.05	.77	.92	1.00			
	1855	875	58.0	17.0	4.16	.75	.89	1.00	55.4	16.2	4.71	.76	.91	1.00	52.9	15.5	5.34	.78	.93	1.00	50.1	14.7	6.07	.80	.96	1.00			
	2055	970	58.8	17.2	4.17	.77	.92	1.00	56.3	16.5	4.72	.79	.94	1.00	53.7	15.7	5.35	.81	.96	1.00	50.9	14.9	6.09	.83	.98	1.00			
67°F (19°C)	1655	780	60.3	17.7	4.18	.56	.70	.83	57.7	16.9	4.73	.57	.71	.85	54.9	16.1	5.37	.58	.72	.87	51.8	15.2	6.11	.59	.75	.89			
	1855	875	61.2	17.9	4.19	.58	.72	.86	58.5	17.1	4.75	.59	.74	.88	55.6	16.3	5.39	.60	.76	.91	52.5	15.4	6.12	.61	.78	.93			
	2055	970	61.9	18.1	4.20	.59	.75	.90	59.1	17.3	4.76	.60	.77	.92	56.2	16.5	5.39	.62	.79	.94	53.1	15.6	6.13	.63	.81	.96			
71°F (22°C)	1655	780	64.0	18.8	4.23	.42	.55	.67	61.2	17.9	4.78	.43	.56	.69	58.2	17.1	5.42	.43	.57	.70	55.0	16.1	6.18	.43	.58	.72			
	1855	875	64.9	19.0	4.24	.43	.56	.70	62.0	18.2	4.80	.43	.57	.72	58.9	17.3	5.44	.44	.58	.73	55.6	16.3	6.19	.44	.60	.76			
	2055	970	65.6	19.2	4.25	.43	.58	.73	62.7	18.4	4.81	.44	.59	.74	59.5	17.4	5.45	.44	.60	.77	56.2	16.5	6.20	.45	.62	.79			
COOLING CAPACITY - HSXA12-060 with																											[CBX32M-048] [CB30U-51]		
63°F (17°C)	1700	800	57.9	17.0	4.16	.72	.86	.98	55.3	16.2	4.70	.73	.88	1.00	52.5	15.4	5.33	.75	.90	1.00	49.6	14.5	6.06	.77	.93	1.00			
	1900	895	58.9	17.3	4.17	.74	.89	1.00	56.3	16.5	4.71	.76	.92	1.00	53.5	15.7	5.35	.78	.94	1.00	50.5	14.8	6.08	.80	.97	1.00			
	2100	990	59.9	17.6	4.18	.77	.93	1.00	57.2	16.8	4.73	.79	.95	1.00	54.3	15.9	5.36	.81	.97	1.00	51.4	15.1	6.09	.83	.99	1.00			
67°F (19°C)	1700	800	61.3	18.0	4.20	.56	.69	.83	58.6	17.2	4.75	.57	.71	.85	55.6	16.3	5.38	.58	.72	.87	52.4	15.4	6.13	.59	.74	.90			
	1900	895	62.3	18.3	4.22	.57	.72	.86	59.4	17.4	4.76	.58	.73	.89	56.3	16.5	5.40	.60	.75	.91	53.0	15.5	6.14	.61	.78	.94			
	2100	990	63.0	18.5	4.22	.59	.75	.90	60.1	17.6	4.78	.60	.76	.92	57.0	16.7	5.42	.61	.79	.95	53.6	15.7	6.16	.63	.81	.97			
71°F (22°C)	1700	800	65.2	19.1	4.26	.42	.54	.67	62.2	18.2	4.81	.42	.55	.68	59.0	17.3	5.45	.43	.56	.70	55.6	16.3	6.20	.43	.58	.72			
	1900	895	66.1	19.4	4.27	.42	.56	.70	63.1	18.5	4.82	.43	.57	.71	59.8	17.5	5.46	.43	.58	.73	56.2	16.5	6.22	.44	.60	.76			
	2100	990	66.9	19.6	4.28	.43	.58	.72	63.7	18.7	4.84	.43	.59	.74	60.3	17.7	5.48	.44	.60	.76	56.8	16.6	6.23	.45	.62	.79			
COOLING CAPACITY - HSXA12-060 with																											[CBX32M-060] [CB30U-65]		
63°F (17°C)	1680	795	59.5	17.4	4.17	.73	.87	.98	56.8	16.6	4.72	.74	.89	.99	54.0	15.8	5.34	.76	.91	1.00	51.0	14.9	6.09	.78	.93	1.00			
	1880	885	60.5	17.7	4.18	.75	.90	1.00	57.9	17.0	4.73	.77	.92	1.00	55.0	16.1	5.36	.79	.94	1.00	51.9	15.2	6.10	.81	.97	1.00			
	2080	980	61.5	18.0	4.19	.78	.93	1.00	58.8	17.2	4.75	.80	.95	1.00	55.9	16.4	5.38	.82	.97	1.00	52.9	15.5	6.12	.84	.99	1.00			
67°F (19°C)	1680	795	63.1	18.5	4.22	.57	.70	.83	60.2	17.6	4.77	.58	.72	.85	57.2	16.8	5.40	.59	.73	.88	53.9	15.8	6.15	.60	.76	.90			
	1880	885	64.0	18.8	4.23	.58	.73	.87	61.1	17.9	4.78	.59	.75	.89	57.9	17.0	5.42	.60	.77	.91	54.5	16.0	6.17	.62	.79	.94			
	2080	980	64.9	19.0	4.24	.60	.76	.90	61.8	18.1	4.79	.61	.78	.92	58.6	17.2	5.44	.62	.80	.95	55.1	16.1	6.18	.64	.82	.97			
71°F (22°C)	1680	795	67.0	19.6	4.27	.43	.55	.68	63.9	18.7	4.83	.43	.56	.69	60.7	17.8	5.47	.43	.57	.71	57.2	16.8	6.22	.44	.59	.73			
	1880	885	68.0	19.9	4.29	.43	.57	.71	64.9	19.0	4.84	.43	.58	.72	61.5	18.0	5.48	.44	.59	.74	57.9	17.0	6.24	.45	.61	.77			
	2080	980	68.8	20.2	4.30	.44	.59	.73	65.6	19.2	4.85	.44	.60	.75	62.1	18.2	5.50	.45	.61	.77	58.4	17.1	6.25	.45	.63	.80			



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