PACKAGED HEAT PUMP

15CHPX

DAVE LENNOX *SIGNATURE*® COLLECTION

Residential - R-410A - Variable Speed Blower

PRODUCT SPECIFICATIONS

Bulletin No. 210469
April 2013
Supersedes December 2012

SEER - up to 15.00
2 to 5 Tons
Cooling Capacity - 24,000 to 59,500 Btuh
Heating Capacity - 23,200 to 59,000 Btuh
Optional Electric Heat - 5 to 20 kW

MODEL NUMBER IDENTIFICATION

15 CHP X A - 24 - 230 - 1

Nominal SEER

Unit Type
CHP = Packaged Heat Pump

Refrigerant
X = R-410A

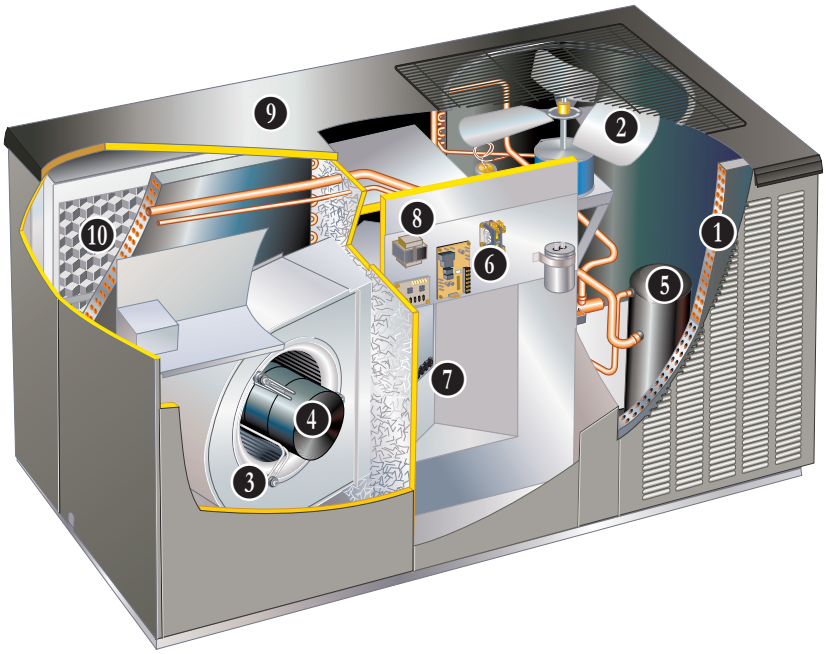
Major Design Sequence
A = 1st Generation
B = 2nd Generation

Nominal Cooling Capacity
24 = 2 tons
30 = 2.5 tons
36 = 3 tons
42 = 3.5 tons
48 = 4 tons
60 = 5 tons

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

Minor Revision Number

FEATURES



CONTENTS

WARRANTY

Compressor - ten year limited warranty in residential installations and five years in non-residential installations.

All other covered components - ten years in residential installations and one year in non-residential installations.

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

APPROVALS

Units are design certified by UL.

Heating ratings are according to Department of Energy (DOE) test procedures and Federal Trade Commission (FTC) labeling regulations and are certified by AHRI.

Cooling system rated according to DOE test procedures.

AHRI Certified to AHRI Standard 210/240-2008.

Units are listed by UL for the U.S. and Canada.

Packaged unit and components within bonded for grounding to meet safety standards required by UL.

Optional electric heaters are UL and ULC listed and are rated and tested according to DOE test procedures and FTC labeling regulations.

ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment.

Each unit test operated at the factory before shipment ensuring dependable operation at start-up.

APPLICATIONS

Designed for outdoor installations at ground level or rooftop for residential applications.

Zoning Applications

Units are not approved for zoning applications.

FEATURES

REFRIGERATION SYSTEM

R-410A Refrigerant

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

Unit pre-charged with refrigerant.

See Specification table.

1 Indoor and Outdoor Coils

Copper tube with aluminum fin coils.

Indoor Coil Drain Pan

Corrosion resistant plastic drain pan.

2 Outdoor Coil Fan

Weather protected heavy duty condenser fan motor with coated steel fan blades for long life.

Internally mounted.

Totally enclosed motor.

Fan guard constructed of corrosion-resistant PVC (polyvinyl chloride) coated steel.

Expansion Valve

Provides a wider and more efficient capacity rating.

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.

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.

SUPPLY AIR BLOWER

3 Variable Speed Direct Drive Blower

Each blower assembly statically and dynamically balanced.

Change in blower speed is easily accomplished by simple jumper change on blower control.

Blower assembly easily removed for servicing.

See Blower Performance tables.

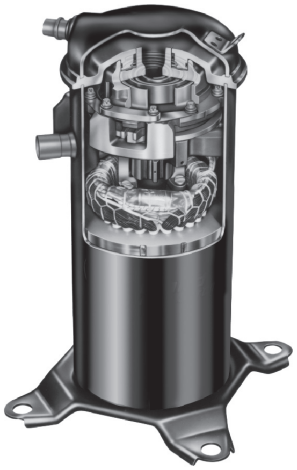
4 Variable Speed Blower Motor

Variable speed motor maintains specified air volume from 0 though 0.80 in. w.g. static range.

Motor is controlled by the blower control.

Motor is resiliently mounted.

SCROLL COMPRESSOR



5 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.

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.

OPTIONS

Compressor Crankcase Heater

Protects against refrigerant migration that can occur during low ambient operation.

Compressor Hard Start Kit

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.

FEATURES

CONTROLS

6 Electronic Blower Control

Two stages - HEAT and COOL (with four different air volume selections for each) are made by simple jumper pins.

ADJUST jumper pin allows approximately 15% higher, normal or 15% lower motor speed selection within HEAT and COOL speeds selected for fine tuning air volume. See Blower Data Tables.

Cooling Airflow Ramp Up - At the beginning of a call for cooling, the blower will run at 80% of full airflow for 7.5 minutes. This improves the system's moisture removal and saves blower power during cooling start.

Reduced Airflow Operation - For situations where humidity control is an issue, the variable speed motor can be connected to operate at a 25% reduction in the normal airflow rate. The variable speed motor interface 3provides for connection of a thermostat with humidity control or a humidistat on the HUM terminal. When connected, the dehumidifier resistor on the interface must be cut. The control should be wired to open during high humidity, which will reduce blower airflow.

7 Defrost Control

Solid-state defrost control furnished as standard equipment.

Gives a defrost cycle for every 30, 60 or 90 minutes (adjustable) of compressor on" time at outdoor temperatures below 35°F.

Field-selectable, quiet shift" setting reduces compressor noise during the defrost cycle.

Sensor mounted on liquid line determines when defrost cycle is required and also when to terminate cycle.

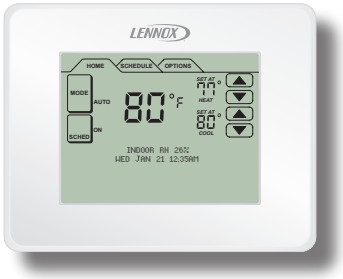
Anti-short cycle, timed-off control incorporated into the control.

8 24 Volt Transformer

40VA transformer furnished and factory installed in control area.

OPTIONS

ComfortSense® 7000 Touchscreen Thermostat



Electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat.

4 Heat/2 Cool.

Auto-changeover.

Controls humidity during cooling mode.

Offers enhanced capabilities including humidification / dehumidification / dewpoint measurement and control, and equipment maintenance reminders.

Easy-to-use, menu driven thermostat with a back-lit, LCD touchscreen.

See the ComfortSense® 7000 Product Specifications bulletin in the Controls section for more information.

Outdoor Temperature Sensor

Used with ComfortSense® 7000 thermostat.

When installed outdoors, sensor allows thermostat to display outdoor temperature.

Low Ambient Kit

Packaged unit will operate satisfactorily in the cooling mode down to 45°F outdoor air temperature without any additional controls.

Kit can be added in the field enabling unit to operate properly down to 30°F.

Thermostat

See Thermostat bulletins in Controls section and Lennox Price Book for a complete list of thermostats.

9 CABINET

Conditioned areas insulated with foil faced insulation to minimize heat loss and reduce operating sound levels.

Powder paint for maximum durability.

Easy service access.

Steel louvered panels provides complete coil protection.

Interchangeable panels for horizontal to down-flow airflow conversion furnished (shipped for horizontal).

OPTIONS

Lifting Brackets

Available to facilitate rigging of the unit.

Roof Curbs

Mates to unit.

Shipped knocked down.

Hinge pins at corners for quick and easy assembly.

Available in 8 in. and 14 in. heights.

FEATURES

ELECTRIC HEAT (5-20 KW)

Field install internal to unit cabinet.

Available in several voltages and kw sizes.

Helix wound nichrome heating elements exposed directly in air stream resulting in instant heat transfer, low element temperatures and long service life.

Cutoff limit control provides positive protection in case of excessive temperatures.

Factory assembled with controls installed and wired.

Single Point Power Kits

Control Box used with optional electric heat when single power supply is connected to multi-circuit electric heat.

⓾ AIR FILTER OPTIONS (REQUIRED)

Filters are not furnished - must be field provided.

PureAir™ Air Purification Installation Kit

The PureAir™ air purification system uses photocatalytic oxidation (PCO) technology to significantly reduce levels of airborne volatile organic compounds, cooking odors, common household odors, airborne dust particles, mold spores and pollen.

Lennox' PureAir™ Air Purification System is mounted internal to the unit cabinet for superior indoor air quality.

Kit is used to install a PCO20-28 (ordered separately) internal to the unit cabinet.

Kit contains hinged mounting brackets, jumper plug, UVa lamp locking clips and all necessary hardware.

See PCO Product Specifications bulletin in Indoor Air Quality section for details on PCO20-28.

NOTE - Only available for horizontal air flow applications.

Internal Filter Kits

Available for 1, 2, 4, or 5 in. thick filters. Kit contains filter rails for mounting filters internal to unit. Filters must be field provided. Carbon Clean 16™ MERV 16 and MERV 10 filters are available separately or other 1, 2, 4 or 5 inch thick filters can be used.

Carbon Clean 16™ (MERV 16) Filters for Internal Filter Kits

Disposable, pleated MERV 16 filters (Minimum Efficiency Reporting Value based on ASHRAE 52.2).

50% first-pass reduction of ozone.

Carbon coated fiber matrix reduces odors.

Hospital inpatient care/general surgery level filtration.

Removes over 95% of E1 (sub-micron) particles down to 0.3-1 microns.

Removes over 99% of E2 particles down to 1-3 microns.

Removes over 90% of ultra-fine particles down to 0.01 micron, including viruses and bacteria.

Double-wall beverage board frame for rigid construction.

Media is certified to UL 900 standard and UL/ULC classification - Class 2.

MERV 10 Filters for Internal Filter Kits

Disposable, pleated MERV 10 filters (Minimum Efficiency Reporting Value based on ASHRAE 52.2).

Dust mites, pollen, mold spores, pet dander and other contaminants are captured by the filter.

Double-wall beverage board frame for rigid construction.

Recommended replacement of the media depends on a variety of factors, see Specifications table.

Media is certified to UL 900 standard and UL/ULC classification - Class 2.

SPECIFICATIONS

General Data		Model No.	15CHPXA-24	15CHPXA-30	15CHPXA-36	15CHPXA-42	15CHPXA-48	15CHPXB-60
		Nominal Tonnage	2	2.5	3	3.5	4	5
Cooling / Heating Performance	Cooling	Total capacity - Btuh	22,800	28,200	35,000	39,500	48,000	56,500
		Total unit watts	1900	2450	3040	3290	4170	4910
		[1] SEER (Btuh/Watt)	15.0	14.0	14.0	15.0	14.0	14.0
		EER (Btuh/Watt)	12.0	11.5	11.5	12.0	11.5	11.5
	High Temp Heat	Total capacity - Btuh	22,000	28,000	33,000	40,000	47,000	55,500
		Total unit watts	1790	2280	2680	3350	4050	4520
		COP	3.6	3.6	3.6	3.5	3.4	3.6
		HSPF Region IV / Region V	8.0/6.96	8.0/6.96	8.0/6.96	8.0/6.96	8.0/6.96	8.0/6.96
	Low Temp Heat	Total capacity - Btuh	14,000	17,500	20,200	24,800	29,000	33,000
		Total unit watts	1785	2185	2520	3230	3695	4120
		COP	2.3	2.35	2.35	2.25	2.3	2.35
		[2] Sound Rating Number (dB)	78	78	78	79	79	79
Refrigerant		Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
		Charge	8 lbs. 2 oz.	8 lbs. 1 oz.	8 lbs. 8 oz.	11 lbs. 12 oz.	12 lbs. 9 oz .	10 lbs. 10 oz .
Outdoor Coil Fan		Motor horsepower	1/5	1/5	1/5	1/4	1/4	1/4
		Diameter - in. & No. of blades	22 - 3	22 - 3	22 - 3	22 - 3	22 - 3	22 - 3
		Air Volume - cfm	2300	2300	2300	3900	3900	3900
		Motor Watts	175	175	175	295	295	295
Indoor Blower		Blower wheel size dia. x width - in.	10 x 6	10 x 6	10 x 8	10 x 10	10 x 10	10 x 10
		Motor horsepower	1/3	1/3	1/2	3/4	3/4	3/4
Net weight of basic unit - lbs.			360	360	385	510	520	545
Shipping weight of basic unit (1 Pkg.) - lbs.			410	410	440	550	570	600
Electrical characteristics (60 hz)			208/230V-1ph-60hz					

[1] Rated in accordance with AHRI Standard 210/240; 95°F outdoor air temperature, 80°F db/67°F wb entering evaporator air.
[2] Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

OPTIONAL ACCESSORIES - ORDER SEPARATELY

		Model No.	15CHPXA -24	15CHPXA -30	15CHPXA -36	15CHPXA -42	15CHPXA -48	15CHPXB -60
ComfortSense® 7000 Thermostat		**Y2081**	•	•	•	•	•	•
Outdoor Temperature Sensor - for ComfortSense 7000 Thermostat		**X2658**	•	•	•	•	•	•
Compressor Crankcase Heater		**93M04**	•	•	•	•	•	•
Compressor Hard Start Kit		**10J42**	•	•	•	•	•	
		81J69						•
Electric Heat Size - 208/240V-1ph	5 kW - PHK05BP	**10W47**	•	•	•	•	•	•
	7.5 kW - PHK05BP	**10W48**	•	•	•	•	•	•
	10 kW - PHK05BP	**10W49**	•	•	•	•	•	•
	15 kW - PHK05BP	**10W50**			•	•	•	•
	20 kW - PHK05BP	**10W51**				•	•	•
[1] **Internal Filter Kit**	(1 ea) 20 x 25 filter	**X8131**	•	•	•			
	(2 ea) 16 x 25 filter	**X8132**				•	•	•
Lifting Brackets		**92M51**	•	•	•	•	•	•
Low Ambient Kit		**34M72**	•	•	•	•	•	•
MERV Filters for Internal Filter Kit 5 in. thick	MERV 10	**X6673**	•	•	•			
		X6670				[2] •	[2] •	[2] •
	Carbon Clean 16™ MERV 16	**X6675**	•	•	•			
		X6672				[2] •	[2] •	[2] •
PCO Installation Kit		**Y0629**	•	•	•	•	•	•
PCO20-28 (requires PCO Installation Kit)		**X8785**	•	•	•	•	•	•
Roof Curbs	8 in. Height	**92M99**	•	•	•			
		93M01				•	•	•
	14 in. Height	**93M00**	•	•	•			
		93M02				•	•	•
Single Point Power Kits	For 5 kW Electric Heat ASPWR813-10	**13W88**	•	•	•	•	•	•
	For 7.5 kW Electric Heat ASPWR814-10	**13W89**	•	•	•	•	•	•
	For 10 kW Electric Heat ASPWR815-10	**13W90**	•	•	•	•	•	•
	For 15-20 kW Electric Heat ASPWR816-10	**13W91**			•	•	•	•

[1] Filters are not furnished and must be field provided. MERV 10 and MERV 16 filters or other 1, 2, 4 or 5 inch thick filters can be used.
[2] Order two filters for 42, 48 and 60 size units.

ELECTRIC HEAT CAPACITIES

Input Voltage	5 kW			7.5 kW			10 kW			15 kW			20 kW		
	No of Steps	kW Input	KBtuh Output	No of Steps	kW Input	KBtuh Output	No of Steps	kW Input	KBtuh Output	No of Steps	kW Input	KBtuh Output	No of Steps	kW Input	KBtuh Output
208	1	3.8	12.8	1	5.6	19.2	1	7.5	25.6	1	11.2	38.2	1	15	51.2
220	1	4.2	14.3	1	6.3	21.5	1	8.4	28.7	1	12.6	43	1	16.8	57.3
230	1	4.6	15.7	1	6.9	23.5	1	9.2	31.3	1	13.8	47	1	18.4	62.7
240	1	5	17.1	1	7.5	25.6	1	10	34.1	1	15	51.2	1	20	68.2

ELECTRICAL/ELECTRIC HEAT DATA

Model No.				15CHPXA-24		15CHPXA-30		15CHPXA-36	
Line voltage data - 60hz 1 phase				208/230V		208/230V		208/230V	
Compressor			Rated Load Amps	13.5		14.1		16.6	
			Locked Rotor Amps	59		73		79	
Outdoor Fan Motor			Full Load Amps	1.1		1.1		1.1	
			Locked Rotor Amps	2.2		2.2		2.2	
Indoor Blower Motor			Rated Load Amps	1.5		1.5		1.5	
[1] **Maximum Overcurrent Protection**			Voltage	**208V**	**240V**	**208V**	**240V**	**208V**	**240V**
	Electric Heat & Blower Motor Circuit	Unit Only	Circuit 1	30	30	30	30	35	35
		5 kW	Circuit 2	30	35	30	35	30	35
		7.5 kW	Circuit 2	40	45	40	45	40	45
		10 kW	Circuit 2	60	60	60	60	60	60
		15 kW	Circuit 2	- - -	- - -	- - -	- - -	60	60
			Circuit 3	- - -	- - -	- - -	- - -	25	30
[1] **Maximum Overcurrent Protection with Optional Single Point Power Supply**			**5 kW**	50	50	50	60	60	60
			7.5 kW	60	70	60	70	70	70
			10 kW	70	80	70	80	80	80
			15 kW	- - -	- - -	- - -	- - -	100	110
[2] **Minimum Circuit Ampacity**	Electric Heat & Blower Motor Circuit	Unit Only	Circuit 1	22.0	22.0	22.0	22.0	25.0	25.0
		5 kW	Circuit 2	27.8	31.3	27.8	31.3	27.8	31.3
		7.5 kW	Circuit 2	39.1	44.3	39.1	44.3	39.1	44.3
		10 kW	Circuit 2	50.4	57.3	50.4	57.3	50.4	57.3
		15 kW	Circuit 2	- - -	- - -	- - -	- - -	50.46	57.3
			Circuit 3	- - -	- - -	- - -	- - -	22.6	26.0
[2] **Minimum Circuit Ampacity with Optional Single Point Power Supply**			**5 kW**	44.7	48.2	45.5	49.0	48.6	52.1
			7.5 kW	56.0	61.2	56.8	62.0	59.9	65.1
			10 kW	67.3	74.3	68.1	75.0	71.2	78.1
			15 kW	- - -	- - -	- - -	- - -	93.8	104.2

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.
NOTE- Extremes of operating range are plus and minus 10% of line voltage.
[1] HACR type breaker or fuse.
[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

ELECTRICAL/ELECTRIC HEAT DATA

Model No.				15CHPXA-42		15CHPXA-48		15CHPXB-60	
Line voltage data - 60hz 1 phase				208/230V		208/230V		208/230V	
Compressor			Rated Load Amps	17.9		21.8		25.0	
			Locked Rotor Amps	112		117		134	
Outdoor Fan Motor			Full Load Amps	1.7		1.7		1.7	
			Locked Rotor Amps	4		4		4	
Indoor Fan Motor			Full Load Amps	2.7		2.7		5.6	
[1] **Maximum Overcurrent Protection**			Voltage	**208V**	**240V**	**208V**	**240V**	**208V**	**240V**
	Electric Heat & Blower Motor Circuit	Unit Only	Circuit 1	40	40	50	50	60	60
		5 kW	Circuit 2	30	35	30	35	30	35
		7.5 kW	Circuit 2	45	50	45	50	45	50
		10 kW	Circuit 2	60	60	60	60	60	60
			Circuit 3	25	30	25	30	25	30
		15 kW	Circuit 2	60	60	60	60	60	60
			Circuit 3	50	60	50	60	50	60
[1] **Maximum Overcurrent Protection with Optional Single Point Power Supply**			**5 kW**	60	60	70	70	80	80
			7.5 kW	70	70	80	80	90	90
			10 kW	80	90	90	90	90	100
			15 kW	100	110	110	125	110	125
			20 kW	125	150	125	150	150	150
[2] **Minimum Circuit Ampacity**	**Electric Heat & Blower Motor Circuit**	Unit Only	Circuit 1	29.0	29.0	34.0	34.0	38.5	38.5
		5 kW	Circuit 2	29.6	33.0	29.6	33.0	29.6	33.0
		7.5 kW	Circuit 2	40.9	46.1	40.9	46.1	40.9	46.1
		10 kW	Circuit 2	52.1	59.1	52.1	59.1	52.1	59.1
		15 kW	Circuit 2	52.1	59.1	52.1	59.1	52.1	59.1
			Circuit 3	22.6	26.0	22.6	26.0	22.6	26.0
		20 kW	Circuit 2	52.1	59.1	52.1	59.1	52.1	59.1
			Circuit 3	45.1	52.1	45.1	52.1	45.1	52.1
[2] **Minimum Circuit Ampacity with Optional Single Point Power Supply**			**5 kW**	52.2	55.7	57.1	60.6	62.9	66.3
			7.5 kW	63.5	68.7	68.4	73.6	74.2	79.9
			10 kW	74.8	81.8	79.7	86.6	85.4	92.4
			15 kW	97.4	107.8	102.3	112.7	108.0	118.4
			20 kW	120.0	133.8	124.8	138.7	130.6	144.5

NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.
NOTE- Extremes of operating range are plus and minus 10% of line voltage.
[1] HACR type breaker or fuse.
[2] Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

BLOWER DATA

BLOWER PERFORMANCE - 15CHPXA-24, 15CHPXA-30

0 through 0.80 in. w.g. External Static Pressure Range

"ADJUST" Jumper Setting	Jumper Speed Positions											
	"COOL" Speed - cfm				"HEAT" Speed - cfm				"CONTINUOUS FAN" Speed - cfm			
	A	B	C	D	A	B	C	D	A	B	C	D
+	1150	920	690	1035	1150	1150	1150	1150	575	460	345	520
NORM	1000	800	600	900	1000	1000	1000	1000	500	400	300	450
—	850	680	510	765	1000	1000	1000	1000	425	340	300	385

BLOWER PERFORMANCE - 15CHPXA-36

0 through 0.80 in. w.g. External Static Pressure Range

"ADJUST" Jumper Setting	Jumper Speed Positions											
	"COOL" Speed - cfm				"HEAT" Speed - cfm				"CONTINUOUS FAN" Speed - cfm			
	A	B	C	D	A	B	C	D	A	B	C	D
+	1380	1150	920	1265	1380	1380	1150	1150	690	575	460	635
NORM	1200	1000	800	1100	1200	1200	1000	1000	600	500	400	550
—	1020	850	680	935	1200	1200	1000	1000	510	425	350	470

BLOWER PERFORMANCE - 15CHPXA-42, 15CHPXA-48, 15CHPXA-60,

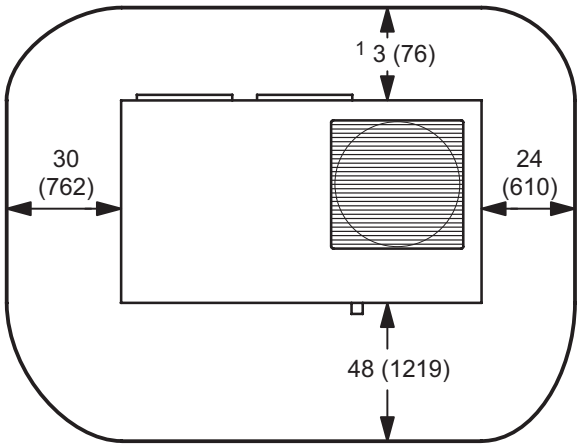
0 through 0.80 in. w.g. External Static Pressure Range

"ADJUST" Jumper Setting	Jumper Speed Positions											
	"COOL" Speed - cfm				"HEAT" Speed - cfm				"CONTINUOUS FAN" Speed - cfm			
	A	B	C	D	A	B	C	D	A	B	C	D
+	2070	1840	1610	1380	1610	1610	1610	1610	1035	920	805	690
NORM	1800	1600	1400	1200	1400	1400	1400	1400	900	800	700	600
—	1530	1360	1190	1020	1400	1400	1400	1400	765	680	595	510

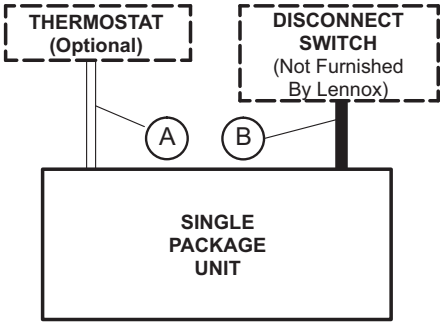
INSTALLATION CLEARANCES - INCHES (MM)

NOTE − Top Clearance − 36 in. (914 mm)
NOTE − Entire perimeter of unit base requires support when elevated above mounting surface

[1] Maintain 18 in. (457 mm) service clearance for accessory maintenance if equipped.



FIELD WIRING



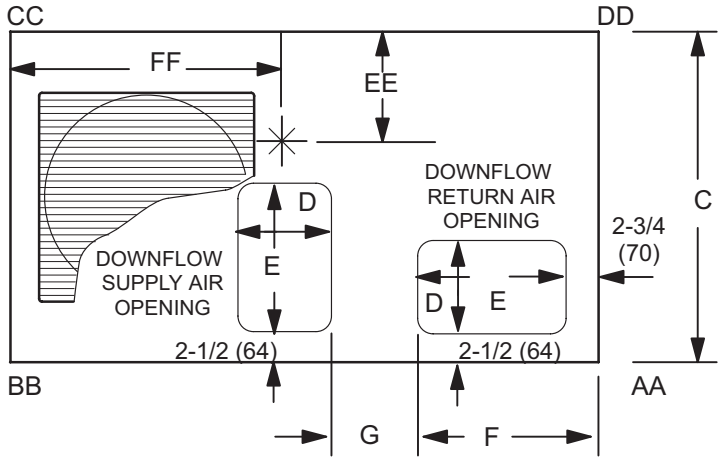
A − Four Wire Low Voltage (Electro-mechanical)
− Five Wire Low Voltage (Electronic)

B − Two Wire Power (See Electrical Data Table)

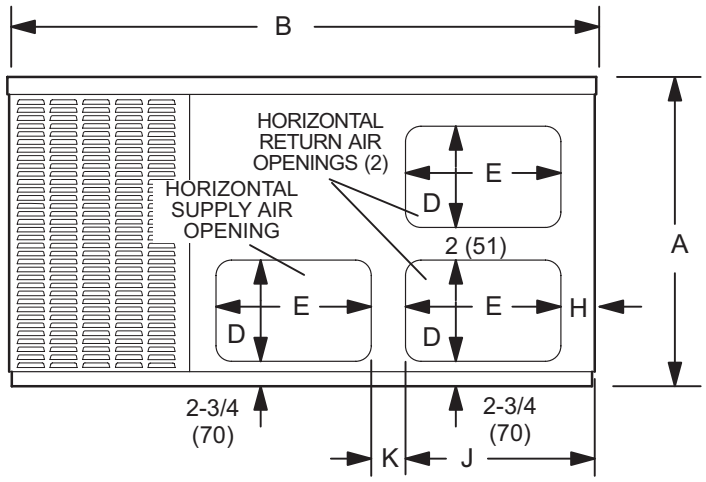
If multiple disconnects are used on units with electric heat; there must be two−wire power provided for each disconnect

− Field Wiring Not Furnished −

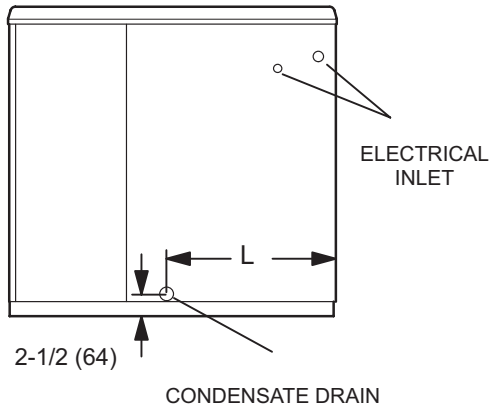
DIMENSIONS - INCHES (MM)



TOP VIEW



BACK VIEW



END VIEW

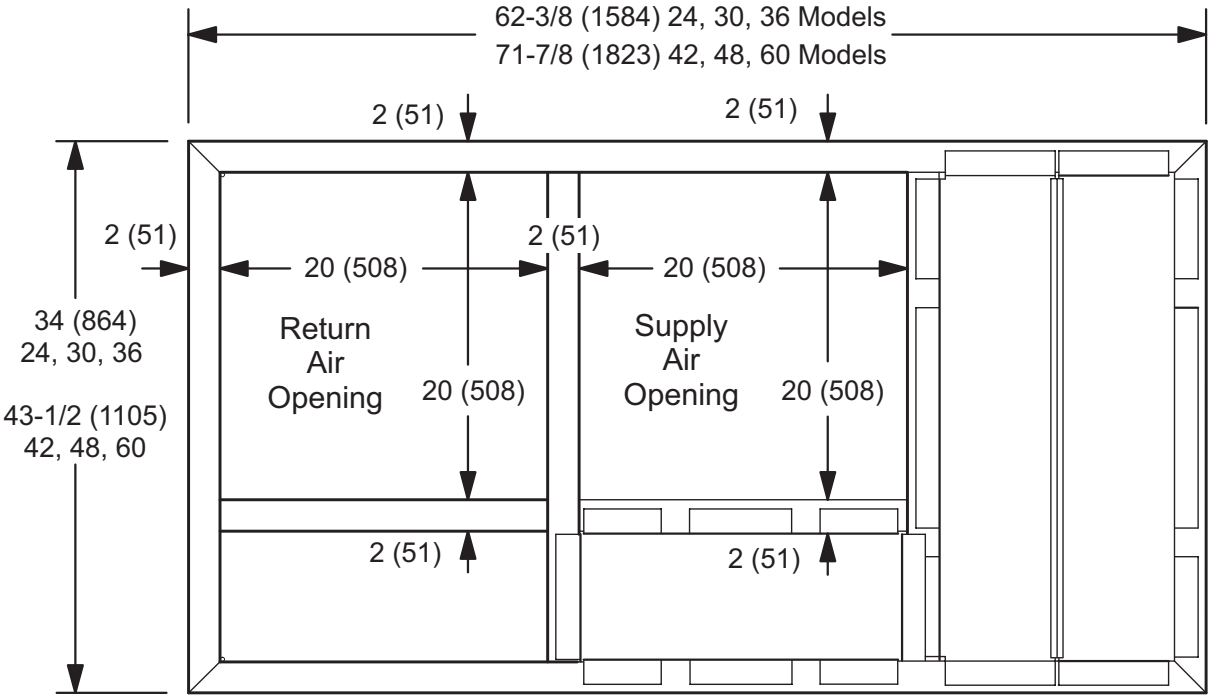
Model No.	A		B		C		D		E		F		G		H	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
15CHPXA-24 15CHPXA-30 15CHPXA-36	34-1/4	870	65-3/8	1661	36-1/2	927	11-1/4	286	17-1/4	438	20	508	8-1/2	216	3	76
15CHPXA-42 15CHPXA-48 15CHPXB-60	38-1/4	972	75	1905	46	1168	11-1/4	286	19-1/4	489	22	559	9-1/4	241	3-1/4	83

Model No.	J		K		L	
	in	mm	in	mm	in	mm
15CHPXA-24 15CHPXA-30 15CHPXA-36	20-1/4	514	4-1/2	114	19	483
15CHPXA-42 15CHPXA-48 15CHPXB-60	22-1/4	572	4	102	16-1/4	413

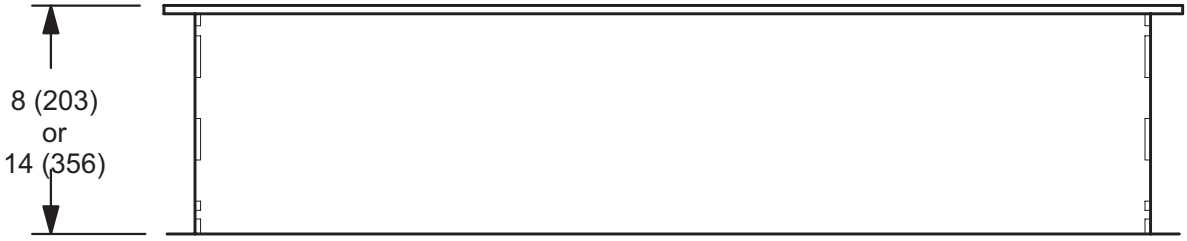
Model No	Corner Weights								Center of Gravity			
	AA		BB		CC		DD		EE		FF	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm
15CHPXA-24 15CHPXA-30	73	33	91	41	114	52	92	42	16	406	29	737
15CHPXA-36	80	36	93	42	117	53	100	45	16	406	30	762
15CHPXA-42	102	46	128	58	151	68	120	54	21	533	33	838
15CHPXA-48 15CHPXB-60	105	48	129	59	152	69	124	56	21	533	33-1/2	851

ACCESSORY DIMENSIONS - INCHES (MM)

ROOF CURBS



TOP VIEW



SIDE VIEW

COOLING AND HEATING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

15CHPXA-24 COOLING CAPACITY — 2 TON

Entering Wet Bulb Temper-ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	600	22.9	1.35	0.73	0.86	0.99	21.8	1.52	0.74	0.87	1.00	20.6	1.73	0.77	0.91	1.00	19.3	1.96	0.79	0.93	1.00
	800	23.9	1.37	0.80	0.95	1.00	22.8	1.53	0.81	0.96	1.00	21.5	1.74	0.84	1.00	1.00	20.1	1.98	0.87	1.00	1.00
	1000	24.7	1.38	0.86	1.00	1.00	23.5	1.55	0.88	1.00	1.00	22.2	1.76	0.91	1.00	1.00	20.7	2.00	0.93	1.00	1.00
67°F	600	24.4	1.38	0.57	0.70	0.82	23.3	1.55	0.58	0.71	0.84	22.0	1.76	0.60	0.74	0.87	20.5	2.00	0.62	0.76	0.89
	800	25.2	1.38	0.62	0.77	0.92	24.0	1.55	0.62	0.78	0.93	22.6	1.76	0.65	0.81	0.97	21.2	2.00	0.67	0.83	0.99
	1000	25.7	1.38	0.66	0.84	0.99	24.5	1.55	0.67	0.85	1.00	23.1	1.76	0.69	0.88	1.00	21.6	2.00	0.71	0.91	1.00
71°F	600	26.0	1.39	0.44	0.55	0.67	24.7	1.57	0.45	0.56	0.68	23.3	1.78	0.46	0.58	0.70	21.8	2.02	0.48	0.60	0.72
	800	26.7	1.39	0.45	0.59	0.74	25.4	1.57	0.46	0.60	0.75	24.0	1.78	0.47	0.62	0.78	22.4	2.02	0.49	0.64	0.80
	1000	27.2	1.41	0.47	0.65	0.82	25.9	1.58	0.48	0.65	0.83	24.5	1.80	0.50	0.68	0.86	22.9	2.04	0.51	0.70	0.88

15CHPXA-24 HEATING CAPACITY

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
710	28.2	1.74	17.5	1.64	14.7	1.54	9.9	1.44	3.9	1.36
800	28.7	1.68	17.9	1.58	15.1	1.48	10.3	1.38	4.2	1.28
890	28.8	1.63	17.9	1.53	15.1	1.43	10.4	1.33	4.2	1.21

15CHPXA-24
HEATING PERFORMANCE at 800 cfm Indoor Coil Air Volume

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.68	28.7
60	1.66	27.2
55	1.63	25.7
50	1.61	24.1
47	1.59	23.2
45	1.58	17.9
40	1.56	17.2
35	1.53	16.5
30	1.51	15.8
25	1.48	15.1
20	1.46	14.4
17	1.44	14.0
15	1.43	13.4
10	1.41	11.9
5	1.38	10.3
0	1.36	8.8
–5	1.33	7.3
–10	1.31	5.7
–15	1.28	4.2
–20	1.26	2.7

COOLING AND HEATING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

15CHPXA-30 COOLING CAPACITY — 2.5 TON

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	800	27.7	1.67	0.72	0.85	0.98	26.4	1.88	0.73	0.86	0.99	24.9	2.14	0.76	0.90	1.00	23.3	2.43	0.78	0.92	1.00
	1000	28.9	1.69	0.79	0.93	1.00	27.6	1.90	0.80	0.95	1.00	26.0	2.16	0.83	0.98	1.00	24.3	2.45	0.85	1.00	1.00
	1200	29.8	1.71	0.85	1.00	1.00	28.4	1.92	0.86	1.00	1.00	26.8	2.18	0.90	1.00	1.00	25.1	2.48	0.92	1.00	1.00
67°F	800	29.5	1.71	0.57	0.69	0.81	28.1	1.92	0.57	0.70	0.82	26.5	2.18	0.60	0.73	0.86	24.8	2.48	0.61	0.75	0.88
	1000	30.5	1.71	0.61	0.76	0.90	29.0	1.92	0.62	0.77	0.92	27.4	2.18	0.64	0.80	0.95	25.6	2.48	0.66	0.82	0.98
	1200	31.1	1.71	0.65	0.83	0.98	29.6	1.92	0.66	0.84	0.99	27.9	2.18	0.69	0.87	1.00	26.1	2.48	0.70	0.90	1.00
71°F	800	31.4	1.73	0.43	0.54	0.66	29.9	1.94	0.44	0.55	0.67	28.2	2.20	0.46	0.57	0.69	26.3	2.50	0.47	0.59	0.71
	1000	32.3	1.73	0.44	0.58	0.73	30.7	1.94	0.45	0.59	0.74	29.0	2.20	0.47	0.62	0.77	27.1	2.50	0.48	0.63	0.79
	1200	32.9	1.74	0.47	0.64	0.81	31.3	1.96	0.47	0.65	0.82	29.5	2.23	0.49	0.67	0.85	27.6	2.53	0.50	0.69	0.87

15CHPXA-30 HEATING CAPACITY

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
890	36.9	2.06	21.9	1.97	18.3	1.88	12.0	1.79	3.9	1.72
1000	37.5	1.99	22.3	1.90	18.9	1.81	12.5	1.71	4.2	1.62
1110	37.6	1.94	22.4	1.84	18.9	1.75	12.5	1.65	4.2	1.54

15CHPXA-30
HEATING PERFORMANCE at 1000 cfm Indoor Coil Air Volume

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.99	37.5
60	1.97	35.4
55	1.95	33.3
50	1.92	31.3
47	1.91	30.0
45	1.90	22.3
40	1.88	21.5
35	1.85	20.6
30	1.83	19.7
25	1.81	18.9
20	1.78	18.0
17	1.77	17.5
15	1.76	16.7
10	1.74	14.6
5	1.71	12.5
0	1.69	10.4
–5	1.67	8.3
–10	1.64	6.3
–15	1.62	4.2
–20	1.60	2.1

COOLING AND HEATING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

15CHPXA-36 COOLING CAPACITY — 3 TON

Entering Wet Bulb Temper-ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1000	34.8	2.23	0.73	0.87	1.00	33.1	2.53	0.75	0.89	1.00	31.2	2.88	0.77	0.91	1.00	29.2	3.27	0.80	0.95	1.00
	1200	35.9	2.23	0.78	0.92	1.00	34.2	2.53	0.80	0.95	1.00	32.3	2.88	0.82	0.97	1.00	30.2	3.27	0.85	1.00	1.00
	1400	37.0	2.23	0.83	0.97	1.00	35.3	2.53	0.86	0.99	1.00	33.3	2.88	0.88	1.00	1.00	31.1	3.27	0.91	1.00	1.00
67°F	1000	36.7	2.25	0.57	0.70	0.83	34.9	2.56	0.59	0.72	0.85	32.9	2.91	0.60	0.73	0.87	30.8	3.31	0.62	0.76	0.91
	1200	37.8	2.25	0.60	0.75	0.89	36.0	2.56	0.62	0.77	0.92	34.0	2.91	0.63	0.79	0.94	31.7	3.31	0.66	0.82	0.98
	1400	38.6	2.25	0.64	0.80	0.94	36.7	2.56	0.65	0.82	0.96	34.6	2.91	0.67	0.85	0.99	32.4	3.31	0.70	0.88	1.00
71°F	1000	39.3	2.25	0.43	0.55	0.67	37.4	2.56	0.44	0.56	0.68	35.3	2.91	0.45	0.58	0.70	33.0	3.31	0.47	0.60	0.73
	1200	40.1	2.25	0.44	0.58	0.72	38.2	2.56	0.45	0.59	0.74	36.0	2.91	0.46	0.61	0.76	33.6	3.31	0.48	0.63	0.79
	1400	40.8	2.28	0.45	0.62	0.78	38.9	2.59	0.46	0.63	0.80	36.7	2.94	0.47	0.65	0.82	34.3	3.34	0.49	0.68	0.85

15CHPXA-36 HEATING CAPACITY

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
1065	41.3	2.42	25.0	2.28	21.1	2.13	14.2	1.99	5.3	1.87
1200	42.0	2.34	25.5	2.20	21.7	2.05	14.8	1.90	5.7	1.76
1335	42.0	2.28	25.5	2.13	21.8	1.98	14.8	1.83	5.7	1.66

15CHPXA-36
HEATING PERFORMANCE at 1200 cfm Indoor Coil Air Volume

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.34	42.0
60	2.31	39.7
55	2.27	37.4
50	2.23	35.2
47	2.21	33.8
45	2.20	25.5
40	2.16	24.5
35	2.12	23.6
30	2.09	22.7
25	2.05	21.7
20	2.01	20.8
17	1.99	20.2
15	1.98	19.3
10	1.94	17.0
5	1.90	14.8
0	1.87	12.5
–5	1.83	10.2
–10	1.79	8.0
–15	1.76	5.7
–20	1.72	3.4

COOLING AND HEATING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

15CHPXA-42 COOLING CAPACITY — 3.5 TON

Entering Wet Bulb Temper-ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1200	38.6	2.27	0.69	0.81	0.93	36.8	2.57	0.70	0.83	0.96	34.7	2.93	0.72	0.85	0.98	32.4	3.32	0.75	0.89	1.00
	1400	39.9	2.27	0.73	0.86	0.99	38.0	2.57	0.75	0.89	1.00	35.8	2.93	0.77	0.91	1.00	33.5	3.32	0.80	0.94	1.00
	1600	41.2	2.27	0.78	0.91	1.00	39.2	2.57	0.80	0.93	1.00	37.0	2.93	0.82	0.95	1.00	34.6	3.32	0.85	0.99	1.00
67°F	1200	40.7	2.29	0.53	0.65	0.78	38.8	2.60	0.55	0.67	0.80	36.6	2.95	0.56	0.69	0.82	34.2	3.36	0.58	0.71	0.85
	1400	42.0	2.29	0.56	0.70	0.83	40.0	2.60	0.58	0.72	0.86	37.7	2.95	0.59	0.74	0.88	35.3	3.36	0.61	0.77	0.91
	1600	42.8	2.29	0.59	0.75	0.88	40.8	2.60	0.61	0.77	0.90	38.5	2.95	0.63	0.79	0.92	36.0	3.36	0.65	0.82	0.96
71°F	1200	43.7	2.29	0.40	0.51	0.62	41.6	2.60	0.41	0.53	0.64	39.2	2.95	0.42	0.54	0.66	36.7	3.36	0.44	0.56	0.68
	1400	44.5	2.29	0.41	0.54	0.68	42.4	2.60	0.42	0.55	0.69	40.0	2.95	0.43	0.57	0.71	37.4	3.36	0.45	0.59	0.74
	1600	45.4	2.31	0.42	0.58	0.73	43.2	2.63	0.43	0.59	0.75	40.8	2.98	0.44	0.61	0.77	38.1	3.39	0.46	0.63	0.80

15CHPXA-42 HEATING CAPACITY

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
1245	49.1	3.31	31.8	3.02	26.2	2.73	17.8	2.45	7.5	2.18
1400	49.9	3.20	32.4	2.91	27.0	2.62	18.5	2.34	8.1	2.05
1555	50.0	3.11	32.5	2.82	27.0	2.54	18.6	2.25	8.1	1.95

15CHPXA-42
HEATING PERFORMANCE at 1400 cfm Indoor Coil Air Volume

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	3.20	49.9
60	3.13	47.3
55	3.05	44.7
50	2.98	42.1
47	2.94	40.5
45	2.91	32.4
40	2.84	31.1
35	2.77	29.7
30	2.70	28.3
25	2.62	27.0
20	2.55	25.6
17	2.51	24.8
15	2.48	23.8
10	2.41	21.1
5	2.34	18.5
0	2.27	15.9
–5	2.19	13.3
–10	2.12	10.7
–15	2.05	8.1
–20	1.98	5.4

COOLING AND HEATING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

15CHPXA-48 COOLING CAPACITY — 4 TON

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1400	46.8	2.97	0.74	0.88	1.00	44.4	3.39	0.75	0.89	1.00	42.2	3.86	0.77	0.92	1.00	39.6	4.39	0.79	0.94	1.00
	1600	47.9	2.97	0.76	0.91	1.00	45.5	3.39	0.77	0.92	1.00	43.1	3.86	0.79	0.95	1.00	40.5	4.39	0.82	0.97	1.00
	1800	48.4	2.97	0.79	0.94	1.00	46.0	3.39	0.8	0.95	1.00	43.6	3.86	0.83	0.98	1.00	41.0	4.39	0.85	1.00	1.00
67°F	1400	50.0	3.00	0.58	0.71	0.85	47.5	3.42	0.59	0.72	0.87	45.1	3.90	0.6	0.74	0.89	42.4	4.44	0.62	0.76	0.91
	1600	50.6	3.00	0.59	0.74	0.88	48.0	3.42	0.6	0.75	0.89	45.6	3.90	0.62	0.77	0.92	42.8	4.44	0.63	0.79	0.94
	1800	51.1	3.00	0.61	0.77	0.92	48.5	3.42	0.62	0.78	0.94	46.1	3.90	0.63	0.8	0.96	43.3	4.44	0.65	0.82	0.99
71°F	1400	53.2	3.03	0.44	0.56	0.68	50.6	3.46	0.44	0.57	0.69	48.0	3.94	0.45	0.58	0.71	45.1	4.48	0.46	0.6	0.73
	1600	53.8	3.03	0.44	0.58	0.71	51.1	3.46	0.45	0.59	0.72	48.5	3.94	0.46	0.6	0.74	45.6	4.48	0.47	0.62	0.76
	1800	54.3	3.03	0.45	0.59	0.74	51.6	3.46	0.46	0.6	0.75	49.0	3.94	0.47	0.62	0.77	46.0	4.48	0.48	0.64	0.79

15CHPXA-48 HEATING CAPACITY

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
1420	60.0	3.63	37.4	3.38	30.7	3.12	20.2	2.88	7.1	2.65
1600	61.0	3.51	38.2	3.25	31.6	3.00	21.0	2.75	7.7	2.49
1780	61.1	3.41	38.2	3.16	31.7	2.90	21.1	2.64	7.7	2.37

15CHPXA-48
HEATING PERFORMANCE at 1600 cfm Indoor Coil Air Volume

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	3.51	61.0
60	3.44	57.7
55	3.38	54.3
50	3.32	51.0
47	3.28	49.0
45	3.25	38.2
40	3.19	36.5
35	3.13	34.9
30	3.06	33.3
25	3.00	31.6
20	2.94	30.0
17	2.90	29.0
15	2.87	27.7
10	2.81	24.3
5	2.75	21.0
0	2.68	17.7
–5	2.62	14.3
–10	2.56	11.0
–15	2.49	7.7
–20	2.43	4.3

COOLING AND HEATING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

15CHPXB-60 COOLING CAPACITY — 5 TON

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1600	53.0	3.39	0.67	0.81	0.87	49.0	3.77	0.68	0.82	0.89	44.9	4.32	0.71	0.86	0.93	40.7	4.36	0.75	0.89	0.97
	1800	54.6	3.48	0.73	0.88	0.95	50.5	3.87	0.74	0.89	0.96	46.3	4.43	0.78	0.93	1.00	42.0	4.48	0.81	0.97	1.00
	2000	55.4	3.62	0.83	0.99	1.00	51.3	4.02	0.85	1.00	1.00	47.0	4.60	0.90	1.00	1.00	42.6	4.66	0.95	1.00	1.00
67°F	1600	58.6	3.38	0.51	0.66	0.81	54.8	3.80	0.53	0.68	0.84	49.2	4.24	0.55	0.71	0.87	44.7	4.41	0.58	0.75	0.92
	1800	60.4	3.47	0.55	0.70	0.87	56.5	3.90	0.56	0.72	0.89	50.7	4.35	0.57	0.73	0.90	46.1	4.53	0.60	0.77	0.95
	2000	61.3	3.60	0.62	0.79	0.97	57.3	4.05	0.63	0.81	1.00	51.5	4.52	0.66	0.85	1.00	46.8	4.71	0.69	0.89	1.00
71°F	1600	62.9	3.47	0.28	0.47	0.59	59.7	3.86	0.29	0.48	0.60	54.6	4.40	0.30	0.49	0.62	49.7	4.45	0.30	0.51	0.63
	1800	64.8	3.56	0.31	0.51	0.64	61.5	3.96	0.31	0.52	0.65	56.3	4.52	0.32	0.54	0.67	51.2	4.57	0.33	0.55	0.69
	2000	65.8	3.70	0.28	0.47	0.59	62.4	4.11	0.29	0.48	0.60	57.1	4.70	0.30	0.49	0.62	52.0	4.75	0.30	0.51	0.63

15CHPXB-60 HEATING CAPACITY

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
1600	70.1	3.94	53.6	3.62	37.9	3.41	26.9	3.31	15.9	3.20
1800	71.5	3.79	54.7	3.48	38.7	3.28	27.5	3.18	16.2	3.08
2000	71.8	3.68	54.9	3.38	38.9	3.18	27.6	3.08	16.3	2.99

15CHPXB-60
HEATING PERFORMANCE at 1800 cfm Indoor Coil Air Volume

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	3.79	71.5
60	3.67	66.2
55	3.60	61.4
50	3.56	56.8
47	3.52	55.5
45	3.48	54.7
40	3.43	50.7
35	3.38	46.7
30	3.33	42.7
25	3.28	38.7
20	3.26	35.9
17	3.24	33.0
15	3.22	33.1
10	3.20	30.3
5	3.18	27.5
0	3.15	24.7
–5	3.13	21.9
–10	3.10	19.0
–15	3.08	16.2
–20	3.06	12.9

REVISIONS

Sections	Description of Change
Cooling and Heating Ratings	Updated Cooling Capacity ratings for 15CHPXA-48.
Specifications	Total Cooling Capacity, Total Unit Watts (cooling), High Temp Heat Total Capacity - BTUH and Total Unit Watts (heating) revised for all units.

LENNOX®

Visit us at www.lennox.com

For the latest technical information, www.lennoxdavenet.com

Contact us at 1-800-4-LENNOX

NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.
Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.
Installation and service must be performed by a qualified installer and servicing agency.