



ENGINEERING DATA

PACKAGED HEAT PUMP

**13CHP**

MERIT® SERIES  
Residential - R-22

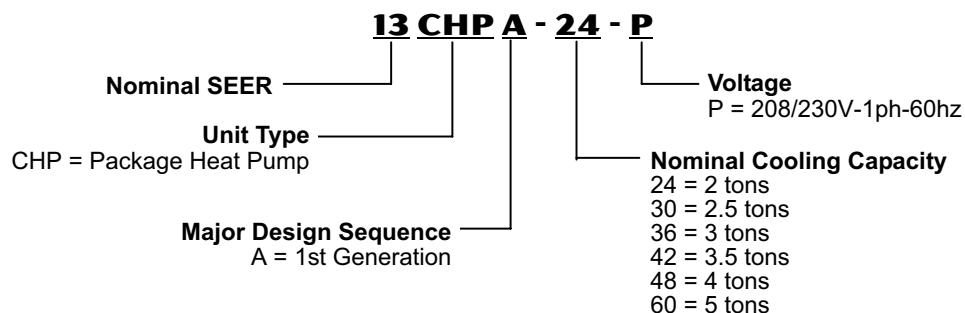
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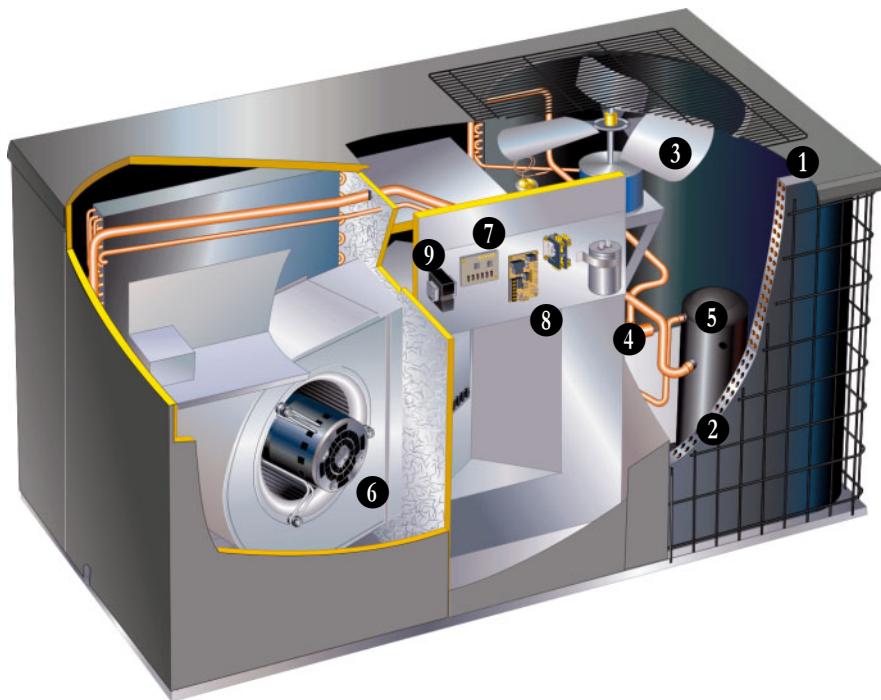
**SEER - 13.00**  
**2 to 5 Tons**

**Cooling Capacity - 24,800 to 55,500 Btuh**  
**Heating Capacity - 24,000 to 51,000 Btuh**  
**Optional Electric Heat - 5 to 20 kW**

#### MODEL NUMBER IDENTIFICATION



## FEATURES



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## EQUIPMENT WARRANTY

**Compressor** - limited warranty for **five years** in residential installations and one year in non-residential installations.

**All other covered components** - **five 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.

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

Cooling system rated according to DOE test procedures.

Cooling system rated in accordance with ARI standard 210/240.

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.

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.

## CABINET

- ① Conditioned areas insulated with foil faced insulation to minimize heat loss and reduce operating sound levels.  
Powder paint for maximum durability.  
Easy service access.

PVC coated steel wire coil guard furnished as standard.  
Interchangeable panels for horizontal to down-flow airflow conversion furnished (shipped for horizontal).

## Electrical Inlets and Service Valves

Field wiring inlets are located in one central area of the cabinet. See dimension drawing.

Gauge ports are located inside the cabinet.

## OPTIONS

### Lifting Brackets

Available to facilitate rigging of the unit.

### Roof Curbs

Mates to unit.

Shipped knocked down.

Available in 8 in. and 14 in. heights.

## REFRIGERATION SYSTEM

- ② Indoor and Outdoor Coils

Copper tube with aluminum fin coils.

### Indoor Coil Drain Pan

Corrosion resistant plastic drain pan.

- ③ Outdoor Coil Fan

Weather protected heavy duty outdoor coil 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.

- ④ Reversing Valves

4-way interchangeable reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa.

## FEATURES

### 5 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.



### 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.

### SUPPLY AIR BLOWER

#### 6 Direct Drive Blower

Each blower assembly statically and dynamically balanced.

Blower assembly easily removed for servicing  
Multi-speed, direct drive blower motor.

Change in blower speed is easily accomplished by simple wiring change on blower motor.

See Blower Performance tables.

### AIR FILTERS (NOT FURNISHED)

Filters are not furnished - must be field provided.

### OPTIONS

### 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. MERV 10 and MERV 16 filters are available separately or other 1, 2, 4 or 5 inch thick filters can be used.

### MERV Filters for Internal Filter Kits

Disposable, pleated MERV 10 and MERV 16 filter (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.

### CONTROLS

#### 7 Solid-state blower control.

Single pole contactor.

Trade available components.

#### 8 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 board.

#### 9 24 Volt Transformer

40VA transformer furnished and factory installed in control area.

### OPTIONS

#### Low Ambient Kit

Heat Pump units operate satisfactorily in the cooling mode 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

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

### 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.

**SPECIFICATIONS**
**2-5 TON**

General Data	Model No.	13CHPA-24	13CHPA-30	13CHPA-36	13CHPA-42	13CHPA-48	13CHPA-60
	Nominal Tonnage	2	2.5	3	3.5	4	5
Cooling/Heating Performance	Cooling	Total Capacity - Btuh Total unit watts <sup>1</sup> SEER (Btuh/Watt) EER (Btuh/Watt)	24,800 2160 13.0 11.5	30,000 2730 13.0 11.0	35,400 3220 13.0 11.0	40,000 3570 13.0 11.2	46,000 4040 13.0 11.4
	High Temp Heat	Total Capacity - Btuh Total unit watts COP HSPF - Region IV / Region V	24,000 2160 3.25 7.7/6.7	30,000 2590 3.4 7.7/6.7	34,400 2970 3.4 7.7/6.7	41,000 3700 3.25 7.7/6.7	46,000 4090 3.3 7.7/6.7
	Low Temp Heat	Total Capacity - Btuh Total unit watts COP	14,800 1970 2.2	18,200 2320 2.3	20,000 2660 2.2	24,500 3190 2.25	28,800 3590 2.35
		<sup>2</sup> Sound Rating Number Refrigerant Type Refrigerant Charge	81 R-22 8 lbs. 1 oz.	81 R-22 7 lbs. 9 oz.	81 R-22 9 lbs. 8 oz.	79 R-22 11 lbs. 10 oz.	79 R-22 11 lbs. 12 oz.
	Condensate drain size (fpt) - in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Outdoor Coil	Net face area - sq. ft. Tube dia. - in. & No. of rows Fins per inch	15.1 5/16 - 2 22	15.1 5/16 - 2 22	15.1 5/16 - 2 22	22 5/16 - 2 22	22 5/16 - 2 22	22 5/16 - 2 22
Outdoor Coil Fan	Diam. - in. & No. of blades Motor horsepower Air Volume - cfm Motor watts	22 - 2 1/5 2300 175	22 - 2 1/5 2300 175	22 - 2 1/5 2300 175	26 - 3 1/4 3900 295	26 - 3 1/4 3900 295	26 - 3 1/4 3900 295
Indoor Coil	Net face area - sq. ft. Tube dia. - in. & No. of rows Fins per inch	4.67 3/8 - 3 14	4.67 3/8 - 3 14	4.67 3/8 - 4 14	6 3/8 - 3 14	6 3/8 - 3 14	6 3/8 - 4 14
Indoor Blower	Wheel size dia. x width - in. Motor horsepower	10 x 6 1/2	10 x 6 1/2	10 x 8 1/2	10 x 10 3/4	10 x 10 3/4	10 x 10 3/4
Net weight of basic unit		380	380	400	509	520	520
Shipping weight of basic unit (1 Pkg.)		435	435	455	595	600	600
Electrical characteristics (60 hz)					208/230V-1ph-60hz		

**OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA**

Compressor Crankcase Heater	93M04	•	•	•	•	•	•
Compressor Hard Start Kit	10J42	•	•	•	•	•	
	81J69						•
Electric Heat Size	5 kW - PHK05BP 7.5 kW - PHK07BP 10 kW - PHK10BP 15 kW - PHK15CP 20 kW - PHK20CP	10W47 10W48 10W49 10W50 10W51	• • • ---	• • • • ---	• • • • •	• • • • •	• • • • •
208/240V-1ph							
<sup>3</sup> Internal Filter Kit	(1 ea) 20 x 25 filter (2 ea) 16 x 25 filter	X8131 X8132	• •	• •			
MERV Filters for Internal Filter Kit	MERV 10 5 in. thick	X6673 X6670 X6675 X6672	• • • •	• • • •	• • • •	• • • •	
Lifting Brackets	92M51	•	•	•	•	•	•
Low Ambient Kit	27J00	•	•	•	•	•	•
Roof Curbs	8 inch height 14 inch height	92M99 93M01 93M00 93M02	• • • •	• • • •		• • • •	• • • •
Single Point Power Kits	ASPWR813-01 For 5 kW Electric Heat ASPWR814-01 For 7.5 kW Electric Heat ASPWR815-01 For 10 kW Electric Heat ASPWR816-01 For 15-20 kW Electric Heat	13W88 13W89 13W90 13W91	• • • ---	• • • •	• • • •	• • • •	• • • •

<sup>1</sup> Rated in accordance with ARI Standard 210/240;

Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.

High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) entering indoor coil air.

Low Temperature Heating Ratings - 17°F (-8°C) db/15°F (-9°C) wb outdoor air temperature and 70°F (21°C) entering indoor coil air.

<sup>2</sup> Sound Rating Number rated in accordance with test conditions included in ARI Standard 270.

<sup>3</sup> Filters are not furnished and must be field provided. MERV 10 and MERV 16 filters can be used or other 1, 2, 4 or 5 inch thick filters can be used.

## ELECTRIC HEAT CAPACITIES

Input Voltage	5 kW			7.5 kW			10 kW			15 kW			20 kW		
	No of Steps	kW input	Btuh Output	No of Steps	kW input	Btuh Output	No of Steps	kW input	Btuh Output	No of Steps	kW input	Btuh Output	No of Steps	kW input	Btuh Output
208	1	3.8	12,800	1	5.6	19,200	1	7.5	25,600	1	11.2	38,200	1	15.0	51,200
220	1	4.2	14,300	1	6.3	21,500	1	8.4	28,700	1	12.6	43,000	1	16.8	57,300
230	1	4.6	15,700	1	6.9	23,500	1	9.2	31,300	1	13.8	47,000	1	18.4	62,700
240	1	5.0	17,100	1	7.5	25,600	1	10.0	34,100	1	15.0	51,200	1	20.0	68,200

## ELECTRICAL/ELECTRIC HEAT DATA

		Model No.	13CHPA-24		13CHPA-30		13CHPA-36	
		Line voltage data - 60hz 1 phase	208/230V		208/230V		208/230V	
<b>Compressor</b>		Rated Load Amps	10.4		13.4		14.7	
		Locked Rotor Amps	56		73		83	
<b>Outdoor Fan Motor</b>		Full Load Amps	1.1		1.1		1.1	
		Locked Rotor Amps	2.2		2.2		2.2	
<b>Indoor Blower Motor</b>		Rated Load Amps	2.2		2.2		2.2	
		Locked Rotor Amps	3.8		3.8		3.8	
<b><sup>1</sup> Maximum Overcurrent Protection</b>	Voltage	<b>208V</b>	<b>240V</b>	<b>208V</b>	<b>240V</b>	<b>208V</b>	<b>240V</b>	
	Unit Only Circuit 1	25	25	30	30	35	35	
	Electric Heat & Blower Motor Circuit	<b>5 kW</b> Circuit 2	30	35	30	35	30	35
		<b>7.5 kW</b> Circuit 2	40	45	40	45	40	45
		<b>10 kW</b> Circuit 2	60	60	60	60	60	60
		<b>15 kW</b> Circuit 2	---	---	---	---	60	60
	Circuit 3	---	---	---	---	25	30	
<b><sup>1</sup> Maximum Overcurrent Protection with Optional Single Point Power Supply</b>		<b>5 kW</b>	50	50	50	60	60	60
		<b>7.5 kW</b>	60	70	60	70	70	70
		<b>10 kW</b>	70	80	70	80	80	80
		<b>15 kW</b>	---	---	---	---	100	110
<b><sup>2</sup> Minimum Circuit Ampacity</b>	Unit Only Circuit 1	18	18	22	22	24	24	
	Electric Heat & Blower Motor Circuit	<b>5 kW</b> Circuit 2	27.8	31.3	27.8	31.3	27.8	31.3
		<b>7.5 kW</b> Circuit 2	39.1	44.3	39.1	44.3	39.1	44.3
		<b>10 kW</b> Circuit 2	50.4	57.3	50.4	57.3	50.4	57.3
		<b>15 kW</b> Circuit 2	---	---	---	---	50.4	57.3
		Circuit 3	---	---	---	---	22.6	26.0
<b><sup>2</sup> Minimum Circuit Ampacity with Optional Single Point Power Supply</b>		<b>5 kW</b>	44.7	48.2	45.5	49.0	48.6	52.1
		<b>7.5 kW</b>	56.0	61.2	56.8	62.0	59.9	65.1
		<b>10 kW</b>	67.3	74.3	68.1	75.0	71.2	78.1
		<b>15 kW</b>	---	---	---	---	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.		13CHPA-42 208/230V		13CHPA-48 208/230V		13CHPA-60 208/230V		
Line voltage data - 60hz 1 phase								
<b>Compressor</b>		Rated Load Amps		16.6		21.1		
Locked Rotor Amps		95		109		137		
<b>Outdoor Fan Motor</b>		Full Load Amps		1.7		1.7		
Locked Rotor Amps		4		4		4		
<b>Indoor Blower Motor</b>		Rated Load Amps		3.6		3.6		
Locked Rotor Amps		11		11		11		
<b><sup>1</sup> Maximum Overcurrent Protection</b>	Voltage		<b>208V</b>	<b>240V</b>	<b>208V</b>	<b>240V</b>	<b>208V</b>	<b>240V</b>
	Unit Only Circuit 1		40	40	50	50	60	60
	Electric Heat & Blower Motor Circuit	<b>5 kW</b>	Circuit 2	30	35	30	35	30
		<b>7.5 kW</b>	Circuit 2	45	50	45	50	45
		<b>10 kW</b>	Circuit 2	60	60	60	60	60
		<b>15 kW</b>	Circuit 2	60	60	60	60	60
		Circuit 3		25	30	25	30	25
		<b>20 kW</b>	Circuit 2	60	60	60	60	60
		Circuit 3		50	60	50	60	60
<b><sup>1</sup> Maximum Overcurrent Protection with Optional Single Point Power Supply</b>	<b>5 kW</b>		60	60	70	70	80	80
	<b>7.5 kW</b>		70	70	80	80	90	90
	<b>10 kW</b>		80	90	90	90	90	100
	<b>15 kW</b>		100	110	110	125	110	125
	<b>20 kW</b>		125	150	125	150	150	150
<b><sup>2</sup> Minimum Circuit Ampacity</b>	Unit Only Circuit 1		28	28	34	34	41	41
	Electric Heat & Blower Motor Circuit	<b>5 kW</b>	Circuit 2	29.6	33.0	26.9	33.0	26.9
		<b>7.5 kW</b>	Circuit 2	40.9	46.1	40.9	46.1	40.9
		<b>10 kW</b>	Circuit 2	52.1	59.1	52.1	59.1	52.1
		Circuit 3		22.6	26.0	22.6	26.0	22.6
		<b>15 kW</b>	Circuit 2	52.1	59.1	52.1	59.1	52.1
		Circuit 3		45.1	52.1	45.1	52.1	52.1
		<b>20 kW</b>	Circuit 2	52.1	59.1	52.1	59.1	59.1
<b><sup>2</sup> Minimum Circuit Ampacity with Optional Single Point Power Supply</b>	<b>5 kW</b>		52.2	55.7	57.1	60.6	62.9	66.3
	<b>7.5 kW</b>		63.5	68.7	68.4	73.6	74.2	79.9
	<b>10 kW</b>		74.8	81.8	79.7	86.6	85.4	92.4
	<b>15 kW</b>		97.4	107.8	102.3	112.7	108.0	118.4
	<b>20 kW</b>		120.0	133.8	124.8	138.7	130.6	144.5

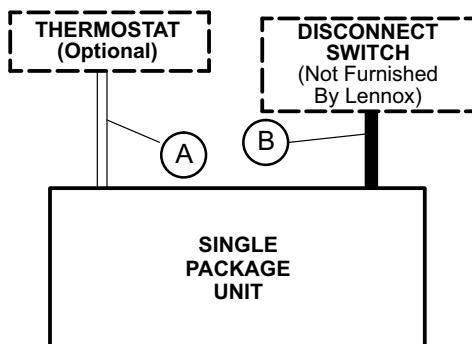
NOTE - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

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

<sup>1</sup> HACR type breaker or fuse.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

## 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 -

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

## BLOWER DATA

### 13CHPA-24-30 BLOWER PERFORMANCE 1 Horizontal Air Flow

External Static Pressure		Air Volume at Various Blower Speeds					
in. w.g.	Pa	High		Medium		Low	
		cfm	L/s	cfm	L/s	cfm	L/s
0.2	50	1470	695	1070	505	880	415
0.3	75	1420	670	1060	500	870	410
0.4	100	1360	640	1020	480	850	400
0.5	125	1290	610	1000	470	820	385
0.6	150	1220	575	950	450	790	370
0.7	175	1140	535	900	425	740	350
0.8	200	1050	495	830	390	690	325

NOTE - All air data is measured external to unit without air filters.

<sup>1</sup> For down-flow air volume, add 0.05 in. w.g. (12 Pa) to duct static.

### 13CHPA-36 BLOWER PERFORMANCE 1 Horizontal Air Flow

External Static Pressure		Air Volume at Various Blower Speeds					
in. w.g.	Pa	High		Medium		Low	
		cfm	L/s	cfm	L/s	cfm	L/s
0.2	50	1510	740	1060	520	870	425
0.3	75	1460	715	1050	515	860	420
0.4	100	1400	690	1030	505	840	415
0.5	125	1330	655	990	485	820	405
0.6	150	1250	615	950	465	790	390
0.7	175	1180	580	900	440	750	370
0.8	200	1100	540	850	415	680	335

NOTE - All air data is measured external to unit without air filters.

<sup>1</sup> For down-flow air volume, add 0.05 in. w.g. (12 Pa) to duct static.

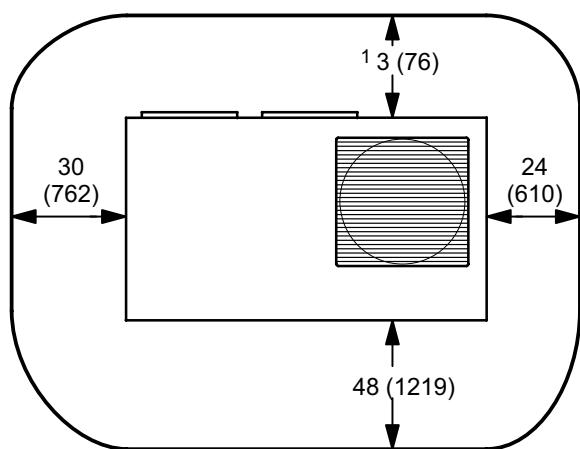
### 13CHPA-42-48-60 BLOWER PERFORMANCE 1 Horizontal Air Flow

External Static Pressure		Air Volume at Various Blower Speeds					
in. w.g.	Pa	High		Medium		Low	
		cfm	L/s	cfm	L/s	cfm	L/s
0.2	50	2090	1025	1820	895	1520	745
0.3	75	2000	985	1780	875	1480	725
0.4	100	1930	950	1730	850	1450	710
0.5	125	1820	895	1650	810	1440	710
0.6	150	1710	840	1570	770	1410	695
0.7	175	1590	780	1480	725	1360	670
0.8	200	1480	725	1370	675	1260	620

NOTE - All air data is measured external to unit without air filters.

<sup>1</sup> For down-flow air volume, add 0.05 in. w.g. (12 Pa) to duct static.

## INSTALLATION CLEARANCES - INCHES (MM)

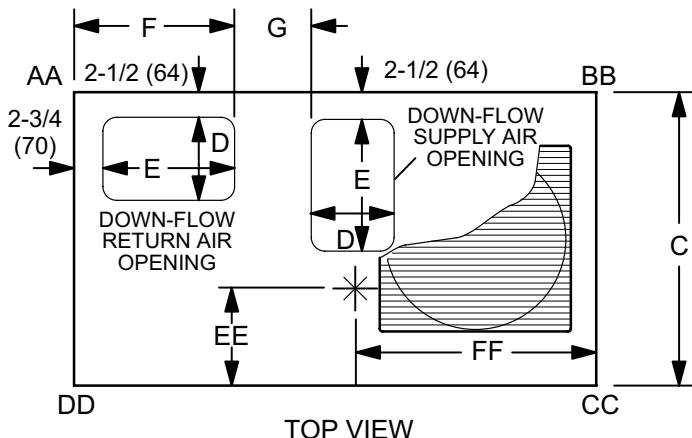


NOTE - Top Clearance - 36 in. (914 mm)

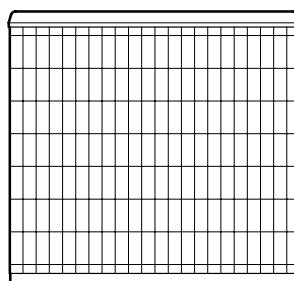
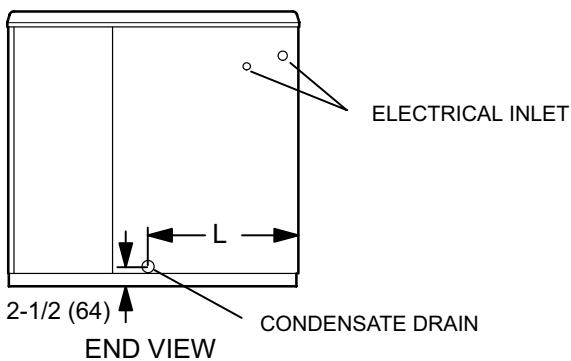
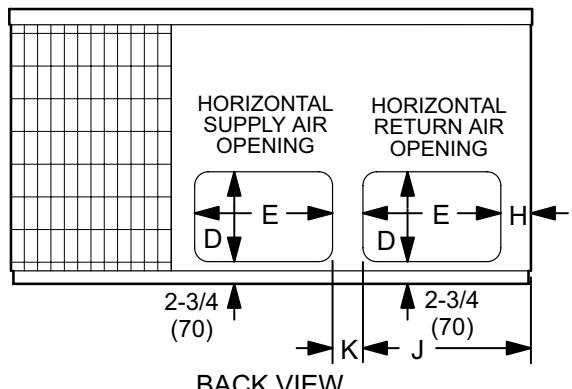
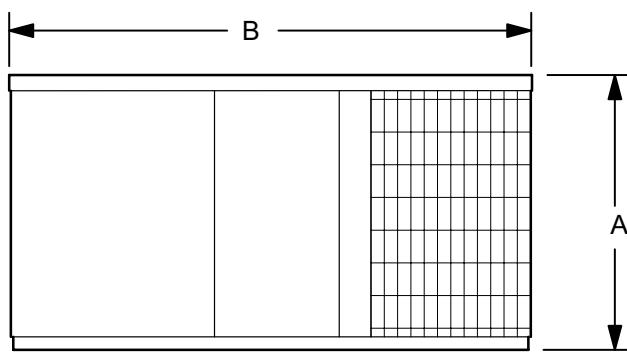
NOTE - Entire perimeter of unit base requires support when elevated above mounting surface.

<sup>1</sup> Maintain 18 in. (457 mm) service clearance for accessory maintenance if equipped.

## DIMENSIONS - INCHES (MM)



Model Number	Corner Weights				Center Of Gravity	
	AA lbs.	BB lbs.	CC lbs.	DD lbs.	EE in.	FF in.
13CHPA-24	74	94	125	97	15.5	28.5
13CHPA-30	74	94	125	97	15.5	28.5
13CHPA-36	84	101	126	105	16	29.5
13CHPA-42	108	136	176	140	20	33
13CHPA-48	112	137	177	144	20	33.5
13CHPA-60	117	143	184	151	20	33.5

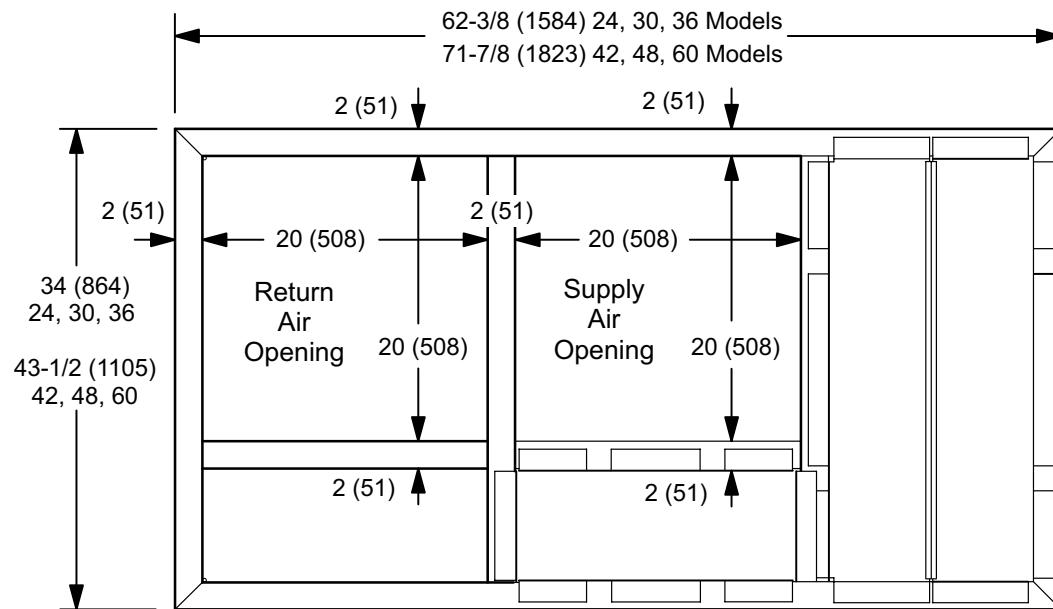


Model No.	A in. mm	B in. mm	C in. mm	D in. mm	E in. mm	
13CHPA-24						
13CHPA-30	34-1/4	870	65-3/8	1661	36-1/2	927
13CHPA-36						
13CHPA-42						
13CHPA-48	38-1/4	972	75	1905	46	1168
13CHPA-60						

Model No.	F in. mm	G in. mm	H in. mm	J in. mm	K in. mm	L in. mm
13CHPA-24						
13CHPA-30	20	508	8-1/2	216	3	76
13CHPA-36						
13CHPA-42						
13CHPA-48	22	559	9-1/4	241	3-1/4	83
13CHPA-60						

## 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.

### COOLING CAPACITY

13CHPA-24

Entering Wet Bulb Temperat ure	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb	
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C
63°F (17°C)	600	285	23.7	6.9	1.39	0.69	0.82	0.94	22.6	6.6	1.56	0.70	0.83	0.95	21.3	6.2	1.77	0.73	0.86	0.99	19.9	5.8	2.01	0.75	0.88	1.00
	800	380	24.7	7.2	1.40	0.76	0.90	1.00	23.6	6.9	1.57	0.77	0.91	1.00	22.2	6.5	1.79	0.80	0.95	1.00	20.8	6.1	2.03	0.82	0.97	1.00
	1000	470	25.5	7.5	1.42	0.82	0.96	1.00	24.3	7.1	1.59	0.83	0.97	1.00	22.9	6.7	1.81	0.86	0.90	1.00	21.4	6.3	2.05	0.89	1.00	1.00
67°F (19°C)	600	285	25.3	7.4	1.42	0.54	0.66	0.78	24.1	7.1	1.59	0.55	0.67	0.79	22.7	6.7	1.81	0.57	0.70	0.82	21.2	6.2	2.05	0.59	0.72	0.85
	800	380	26.0	7.6	1.42	0.58	0.73	0.87	24.8	7.3	1.59	0.59	0.74	0.88	23.4	6.9	1.81	0.62	0.77	0.92	21.9	6.4	2.05	0.63	0.79	0.94
	1000	470	26.6	7.8	1.42	0.62	0.80	0.94	25.3	7.4	1.59	0.63	0.81	0.95	23.9	7.0	1.81	0.66	0.84	0.99	22.3	6.5	2.05	0.68	0.86	1.00
71°F (22°C)	600	285	26.8	7.9	1.43	0.42	0.52	0.63	25.5	7.5	1.61	0.42	0.53	0.64	24.1	7.1	1.82	0.44	0.55	0.67	22.5	6.6	2.07	0.45	0.57	0.68
	800	380	27.6	8.1	1.43	0.43	0.56	0.70	26.3	7.7	1.61	0.43	0.57	0.71	24.8	7.3	1.82	0.45	0.59	0.74	23.2	6.8	2.07	0.46	0.61	0.76
	1000	470	28.1	8.2	1.44	0.45	0.61	0.77	26.8	7.8	1.62	0.45	0.62	0.78	25.3	7.4	1.84	0.47	0.65	0.82	23.6	6.9	2.09	0.48	0.66	0.84

### COOLING CAPACITY

13CHPA-30

Entering Wet Bulb Temperat ure	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb	
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C
63°F (17°C)	800	380	28.7	8.4	1.90	0.69	0.82	0.94	27.3	8.0	2.14	0.70	0.83	0.95	25.8	7.5	2.43	0.73	0.86	0.99	24.1	7.1	2.76	0.75	0.88	1.00
	1000	470	29.9	8.8	1.92	0.76	0.90	1.00	28.5	8.4	2.16	0.77	0.91	1.00	26.9	7.9	2.45	0.80	0.95	1.00	25.1	7.4	2.79	0.82	0.97	1.00
	1200	565	30.9	9.0	1.94	0.82	0.96	1.00	29.4	8.6	2.18	0.83	0.97	1.00	27.7	8.1	2.48	0.86	1.00	1.00	25.9	7.6	2.82	0.89	1.00	1.00
67°F (19°C)	800	380	30.6	9.0	1.94	0.54	0.66	0.78	29.1	8.5	2.18	0.55	0.67	0.79	27.5	8.0	2.48	0.57	0.70	0.82	25.7	7.5	2.82	0.59	0.72	0.85
	1000	470	31.5	9.2	1.94	0.58	0.73	0.87	30.0	8.8	2.18	0.59	0.74	0.88	28.3	8.3	2.48	0.62	0.77	0.92	26.5	7.8	2.82	0.63	0.79	0.94
	1200	565	32.1	9.4	1.94	0.62	0.80	0.94	30.6	9.0	2.18	0.63	0.81	0.95	28.9	8.5	2.48	0.66	0.84	0.99	27.0	7.9	2.82	0.68	0.86	1.00
71°F (22°C)	800	380	32.4	9.5	1.96	0.42	0.52	0.63	30.9	9.1	2.20	0.42	0.53	0.64	29.2	8.5	2.50	0.44	0.55	0.67	27.2	8.0	2.84	0.45	0.57	0.68
	1000	470	33.4	9.8	1.96	0.43	0.56	0.70	31.8	9.3	2.20	0.43	0.57	0.71	30.0	8.8	2.50	0.45	0.59	0.74	28.0	8.2	2.84	0.46	0.61	0.76
	1200	565	34.0	10.0	1.98	0.45	0.61	0.77	32.4	9.5	2.22	0.45	0.62	0.78	30.6	9.0	2.53	0.47	0.65	0.82	28.6	8.4	2.87	0.48	0.66	0.84

### HEATING CAPACITY

13CHPA-24

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-26°C)				
	cfm	L/s	kBtuh	kW	kbuh	kW	kbuh	kW	kbuh	kW	kbuh	kW	kbuh
890	420	36.4	10.7	2.17	22.0	6.4	2.03	19.0	5.6	1.88	13.3	3.9	1.74
1000	470	37.0	10.8	2.10	22.4	6.6	1.96	19.6	5.7	1.81	13.8	4.0	1.66
1110	525	37.0	10.8	2.04	22.5	6.6	1.90	19.6	5.7	1.75	13.8	4.0	1.60

### HEATING PERFORMANCE at 800 cfm (375 L/s) Indoor Coil Air Volume

13CHPA-24

*Outdoor Temperature	Compressor Motor kW Input	Total Output
65	18	29.5
60	16	28.0
55	13	26.5
50	10	24.9
47	8	24.0
45	7	16.7
40	4	16.3
35	2	16.0
30	-1	15.7
25	-4	15.3
20	-7	15.0
17	-8	14.8
15	-9	14.2
10	-12	12.7
5	-15	11.1
0	-18	9.6
-5	-21	8.1
-10	-23	6.5
-15	-26	5.0
-20	-29	3.5

kbuh = kBtu/h, kW = kilowatt

### HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

13CHPA-30

*Outdoor Temperature	Compressor Motor kW Input	Total Output
65	18	37.0
60	16	35.0

## 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.  
**COOLING CAPACITY**

**13CHPA-36**

Entering Wet Bulb Temperat ure	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																										
		85°F (29°C)						95°F (35°C)						105°F (41°C)														
		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb				
		cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.2	10.0	2.26	0.70	0.82	0.95	32.6	9.5	2.56	0.71	0.84	0.97	30.7	9.0	2.91	0.73	0.87	1.00	28.7	8.4	3.31	0.76	0.90	1.00		
	1200	565	35.3	10.3	2.26	0.74	0.87	1.00	33.6	9.9	2.56	0.76	0.90	1.00	31.7	9.3	2.91	0.78	0.92	1.00	29.7	8.7	3.31	0.81	0.96	1.00		
	1400	660	36.4	10.7	2.26	0.79	0.92	1.00	34.7	10.2	2.56	0.81	0.94	1.00	32.7	9.6	2.91	0.83	0.97	1.00	30.6	9.0	3.31	0.87	1.00	1.00		
67°F (19°C)	1000	470	36.1	10.6	2.28	0.54	0.66	0.79	34.3	10.1	2.59	0.55	0.68	0.81	32.4	9.5	2.94	0.57	0.70	0.83	30.3	8.9	3.34	0.59	0.72	0.86		
	1200	565	37.2	10.9	2.28	0.57	0.71	0.85	35.4	10.4	2.59	0.58	0.73	0.87	33.4	9.8	2.94	0.60	0.75	0.89	31.2	9.1	3.34	0.62	0.78	0.93		
	1400	660	37.9	11.1	2.28	0.60	0.76	0.89	36.1	10.6	2.59	0.62	0.78	0.91	34.1	10.0	2.94	0.64	0.80	0.94	31.8	9.3	3.34	0.66	0.83	0.97		
71°F (22°C)	1000	470	38.7	11.3	2.28	0.41	0.52	0.63	36.8	10.8	2.59	0.42	0.53	0.65	34.7	10.2	2.94	0.43	0.55	0.66	32.5	9.5	3.34	0.44	0.57	0.69		
	1200	565	39.4	11.5	2.28	0.42	0.55	0.69	37.5	11.0	2.59	0.43	0.56	0.70	35.4	10.4	2.94	0.44	0.58	0.72	33.1	9.7	3.34	0.45	0.60	0.75		
	1400	660	40.1	11.8	2.30	0.42	0.59	0.74	38.2	11.2	2.62	0.43	0.60	0.76	36.1	10.6	2.97	0.45	0.62	0.78	33.7	9.9	3.38	0.46	0.64	0.81		

## COOLING CAPACITY

**13CHPA-42**

Entering Wet Bulb Temperat ure	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																										
		85°F (29°C)						95°F (35°C)						105°F (41°C)														
		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb				
		cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	38.6	11.3	2.32	0.70	0.83	0.96	36.8	10.8	2.63	0.72	0.86	0.98	34.7	10.2	2.99	0.74	0.88	1.00	32.4	9.5	3.40	0.77	0.91	1.00		
	1400	660	39.9	11.7	2.32	0.75	0.89	1.00	38.0	11.1	2.63	0.77	0.91	1.00	35.8	10.5	2.99	0.79	0.93	1.00	33.5	9.8	3.40	0.82	0.97	1.00		
	1600	755	41.2	12.1	2.32	0.80	0.93	1.00	39.2	11.5	2.63	0.82	0.96	1.00	37.0	10.8	2.99	0.84	0.98	1.00	34.6	10.1	3.40	0.88	1.00	1.00		
67°F (19°C)	1200	565	40.7	11.9	2.34	0.55	0.67	0.80	38.8	11.4	2.66	0.56	0.69	0.82	36.6	10.7	3.02	0.58	0.71	0.84	34.2	10.0	3.43	0.60	0.73	0.87		
	1400	660	42.0	12.3	2.34	0.58	0.72	0.86	40.0	11.7	2.66	0.59	0.74	0.88	37.7	11.1	3.02	0.61	0.76	0.90	35.3	10.3	3.43	0.63	0.79	0.94		
	1600	755	42.8	12.6	2.34	0.61	0.77	0.90	40.8	12.0	2.66	0.63	0.79	0.92	38.5	11.3	3.02	0.64	0.81	0.95	36.0	10.5	3.43	0.67	0.84	0.98		
71°F (22°C)	1200	565	43.7	12.8	2.34	0.41	0.53	0.64	41.6	12.2	2.66	0.42	0.54	0.66	39.2	11.5	3.02	0.43	0.56	0.67	36.7	10.7	3.43	0.45	0.58	0.70		
	1400	660	44.5	13.0	2.34	0.42	0.56	0.69	42.4	12.4	2.66	0.43	0.57	0.71	40.0	11.7	3.02	0.44	0.58	0.73	37.4	11.0	3.43	0.46	0.61	0.76		
	1600	755	45.4	13.3	2.36	0.43	0.59	0.75	43.2	12.7	2.69	0.44	0.61	0.77	40.8	11.9	3.05	0.45	0.63	0.79	38.1	11.2	3.47	0.47	0.65	0.82		

## HEATING CAPACITY

**13CHPA-36**

Entering Wet Bulb Temperat ure	Total Air Volume	Air Temperature Entering Outdoor Coil																								
		65°F (18°C)						45°F (7°C)						25°F (-4°C)												
		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		
		cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1065	500	42.3	12.4	2.42		24.2	7.1	2.27		20.7	6.1	2.11		13.7	4.0	1.95		4.3	1.3	1.81						
1200	565	43.0	12.6	2.34		24.7	7.2	2.18		21.3	6.3	2.02		14.2	4.2	1.86		4.6	1.4	1.70						
1335	630	43.1	12.6	2.28		24.7	7.2	2.12		21.4	6.3	1.96		14.3	4.2	1.79		4.7	1.4	1.62						
1245	585	50.1	14.7	3.26		33.6	9.8	2.86		26.5	7.8	2.47		17.2	5.1	2.08		6.4	1.9	1.70						
1400	660	50.9	14.9	3.15		34.3	10.1	2.76		27.3	8.0	2.37		17.9	5.2	1.99		6.9	2.0	1.60						
1555	735	51.0	14.9	3.06		34.4	10.1	2.68		27.4	8.0	2.30		18.0	5.3	1.91		6.9	2.0	1.52						

## HEATING PERFORMANCE at 1200 cfm (565 L/s)

## 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.

### COOLING CAPACITY

13CHPA-48

Entering Wet Bulb Temperat ure	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil												105°F (41°C)			115°F (46°C)									
		85°F (29°C)						95°F (35°C)						105°F (41°C)			115°F (46°C)									
		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	44.9	13.2	2.74	0.75	0.89	1.00	42.8	12.5	3.11	0.76	0.91	1.00	40.7	11.9	3.53	0.78	0.93	1.00	38.4	11.3	4.01	0.80	0.96	1.00
	1600	755	45.9	13.4	2.74	0.77	0.92	1.00	43.7	12.8	3.11	0.78	0.93	1.00	41.6	12.2	3.53	0.81	0.96	1.00	40.0	11.5	4.01	0.83	0.99	1.00
	1800	850	46.4	13.6	2.74	0.80	0.95	1.00	44.2	12.9	3.11	0.82	0.96	1.00	42.1	12.3	3.53	0.84	0.99	1.00	39.7	11.6	4.01	0.86	1.00	1.00
67°F (19°C)	1400	660	47.8	14.0	2.76	0.59	0.72	0.87	45.5	13.3	3.14	0.60	0.73	0.88	43.4	12.7	3.57	0.61	0.75	0.90	40.9	12.0	4.05	0.63	0.77	0.92
	1600	755	48.3	14.2	2.76	0.60	0.75	0.89	46.0	13.5	3.14	0.61	0.76	0.90	43.8	12.8	3.57	0.62	0.78	0.93	41.3	12.1	4.05	0.64	0.80	0.95
	1800	850	48.8	14.3	2.76	0.62	0.78	0.94	46.5	13.6	3.14	0.63	0.79	0.95	44.2	13.0	3.57	0.64	0.81	0.98	41.7	12.2	4.05	0.66	0.83	1.00
71°F (22°C)	1400	660	50.7	14.9	2.79	0.44	0.57	0.69	48.3	14.2	3.17	0.45	0.58	0.70	46.0	13.5	3.60	0.46	0.59	0.72	43.4	12.7	4.10	0.47	0.61	0.74
	1600	755	51.2	15.0	2.79	0.45	0.58	0.72	48.8	14.3	3.17	0.46	0.59	0.73	46.4	13.6	3.60	0.47	0.61	0.75	43.8	12.8	4.10	0.48	0.62	0.77
	1800	850	51.7	15.1	2.79	0.46	0.60	0.75	49.2	14.4	3.17	0.47	0.61	0.76	46.9	13.7	3.60	0.48	0.63	0.78	44.2	13.0	4.10	0.49	0.64	0.80

### COOLING CAPACITY

13CHPA-60

Entering Wet Bulb Temperat ure	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil												105°F (41°C)			115°F (46°C)									
		85°F (29°C)						95°F (35°C)						105°F (41°C)			115°F (46°C)									
		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T) Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1600	755	54.2	15.9	3.35	0.72	0.86	0.99	51.6	15.1	3.80	0.73	0.87	1.00	49.2	14.4	4.32	0.75	0.89	1.00	46.4	13.6	4.91	0.77	0.92	1.00
	1800	850	55.4	16.2	3.35	0.74	0.89	1.00	52.7	15.5	3.80	0.75	0.90	1.00	50.2	14.7	4.32	0.77	0.92	1.00	47.4	13.9	4.91	0.79	0.95	1.00
	2000	945	55.9	16.4	3.35	0.77	0.91	1.00	53.3	15.6	3.80	0.78	0.92	1.00	50.7	14.9	4.32	0.80	0.95	1.00	47.9	14.0	4.91	0.83	0.97	1.00
67°F (19°C)	1600	755	57.7	16.9	3.38	0.56	0.69	0.83	54.9	16.1	3.84	0.57	0.70	0.84	52.3	15.3	4.36	0.59	0.72	0.87	49.4	14.5	4.96	0.60	0.74	0.89
	1800	850	58.3	17.1	3.38	0.58	0.72	0.86	55.5	16.3	3.84	0.58	0.73	0.87	52.9	15.5	4.36	0.60	0.75	0.89	49.9	14.6	4.96	0.62	0.77	0.92
	2000	945	58.9	17.2	3.38	0.59	0.75	0.90	56.1	16.4	3.84	0.60	0.76	0.91	53.4	15.6	4.36	0.62	0.78	0.94	50.4	14.8	4.96	0.63	0.80	0.96
71°F (22°C)	1600	755	61.2	17.9	3.41	0.42	0.54	0.67	58.3	17.1	3.88	0.43	0.55	0.68	55.5	16.3	4.41	0.44	0.57	0.69	52.4	15.3	5.01	0.45	0.58	0.71
	1800	850	61.8	18.1	3.41	0.43	0.56	0.69	58.8	17.2	3.88	0.44	0.57	0.70	56.0	16.4	4.41	0.45	0.58	0.72	52.9	15.5	5.01	0.46	0.60	0.74
	2000	945	62.4	18.3	3.41	0.44	0.58	0.72	59.4	17.4	3.88	0.45	0.59	0.73	56.6	16.6	4.41	0.46	0.60	0.75	53.4	15.6	5.01	0.47	0.62	0.77

### HEATING CAPACITY

13CHPA-48

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)						45°F (7°C)						25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)								
	Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input				
	cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1600	755	62.3	18.2	3.69	3.52	38.1	11.2	3.39	32.0	9.4	3.09	21.5	6.3	2.79	8.0	2.3	2.52	55.9	17.6	5.01	11.4	3.2	2.77	56.5	16.5	5.01	12.1
1800	850	63.3	18.6	3.57	3.44	38.9	11.4	3.27	32.9	9.6	2.97	22.3	6.5	2.67	8.6	2.5	2.37	56.5	16.5	5.01	11.4	3.3	2.77	57.1	16.9	5.01	12.1
2000	945	63.4	18.6	3.47	3.35	39.0	11.4	3.17	33.0	9.7	2.87	22.4	6.6	2.57	8.7	2.5	2.25	57.1	16.9	5.01	11.4	3.3	2.77	57.7	17.3	5.01	12.1

### HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil

Air Volume      13CHPA-48

*Outdoor Temperature	Comp. Motor kW Input	Total Output
65	18	3.52
60	16	





**REVISIONS**

<b>Sections</b>	<b>Description of Change</b>
Electrical/Electric Heat Data	Added 208V and Optional Single Point Power Supply information.
Optional Accessories	Added new Internal Filter Kits and MERV filters



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