PACKAGED HEAT PUMP

LRP16HP



Residential - Two-Stage Compressor - Variable Speed Blower - 60 Hz

RESIDENTIAL PRODUCT SPECIFICATIONS

Bulletin No. 210774 September 2019 Supersedes March 2017





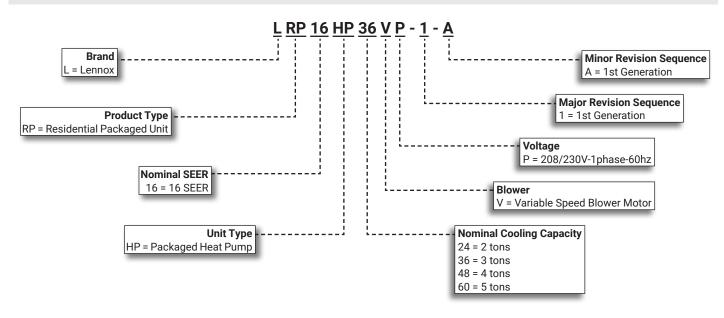
SEER - up to 16.00

HSPF - 8.20

2 to 5 Tons

Cooling Capacity - 23,000 to 57,000 Btuh Heating Capacity - 22,000 to 56,000 Btuh Optional Electric Heat - 5 to 20 kW

MODEL NUMBER IDENTIFICATION



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APPROVALS AND WARRANTY

APPROVALS

- · AHRI Standard 210/240 Certified
- Design Certified by ETL Intertek
- ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment
- Cooling system rated according to DOE test procedures
- Heating ratings are Certified by AHRI according to U.S. Department of Energy (DOE) test procedures and Federal Trade Commission (FTC) labeling regulations
- Units are ETL Certified for the U.S. and Canada
- Unit and components are UL bonded for grounding to meet safety standards for servicing
- Optional electric heaters are ETL listed for the US and Canada and are rated and tested according to DOE test procedures and FTC labeling regulations
- Test operated at the factory before shipment ensuring dependable operation at start-up

WARRANTY

- · Compressor:
 - · Limited ten years in residential installations
 - Limited five years in non-residential installations
- · All other covered components:
 - · Limited five years in residential installations
 - Limited one year in non-residential installations

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

FEATURES

APPLICATIONS

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

NOTE - Units are not approved for zoning applications.

REFRIGERATION SYSTEM

R-410A Refrigerant

- · Non-chlorine, ozone friendly
- · Unit pre-charged with refrigerant

Indoor and Outdoor Coils

· Copper tube with aluminum fin coils

Anti-Microbial Indoor Coil Drain Pan

- Anti-Microbial additive resists growth of mold and mildew on drain pan which improves indoor air quality and reduces drain line blockage
- · Includes drain pan overflow switch
- Monitors condensate level in drain pan, shuts down unit if drain becomes clogged

Outdoor Coil Fan

- Weather protected heavy duty condenser fan motor
- · Coated steel fan blades for long life
- · Corrosion-resistant coated steel fan guard
- · Internally mounted
- · Totally enclosed fan motor

Four-Way Reversing Valve

- Rapid changeover of refrigerant flow direction from cooling to heating and vice versa
- Operates on pressure differential between outdoor unit and indoor coil
- Factory installed

High Pressure Switch

- Protects the system from high pressure conditions
- Automatic reset

Loss of Charge Switch

- Shuts off unit if suction pressure falls below setting
- · Loss of charge and freeze-up protection

COMPRESSOR

Two-Stage Scroll Compressor

- High volumetric efficiency
- · Uniform suction flow
- · Constant discharge flow
- Quiet operation

Compressor Operation

- Two involute spiral scrolls matched together 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 the 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
- 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
- During the compression process, there are several pockets in the scroll that are compressing gas
- Modulation is achieved by venting a portion of the gas in the first suction pocket back to the low side of the compressor thereby reducing the effective displacement of the compressor
- A 24-volt DC solenoid valve inside the compressor controls staging
- When the 3-way solenoid is energized it moves the lift ring assembly to block the ports and the compressor operates at full-load or 100% capacity
- When the solenoid is de-energized the lift ring assembly moves to unblock the compressor ports and the compressor operates at part-load or approximately 67% of its full-load capacity
- The "loading" and "unloading" of the two stage scroll is done "on the fly" without shutting off the single-speed compressor motor between stages
- Low gas pulses during compression reduces operational sound levels
- Compressor motor is internally protected from excessive current and temperature
- Compressor is installed in the unit on specially formulated, resilient rubber mounts for better sound dampening and vibration free operation

FEATURES

COMPRESSOR (continued)

Optional Accessories

Compressor Crankcase Heater

 Protects against refrigerant migration that can occur during low ambient operation

Compressor Hard Start Kit

- A PSC compressor motor does not normally need a potential relay and start capacitor
- In cases of low voltage, kit may be required to increase the compressor starting torque

SUPPLY AIR BLOWER

Direct Drive Blower

- · Blower wheel statically and dynamically balanced
- Multi-speed operation is achieved by the use of an ECM (Electronically Commutated Motor) variable speed motor
- Blower assembly easily removed for servicing

ECM 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
- Change in blower speed is easily accomplished by simple jumper pin change on blower control
- · Motor is resiliently mounted

INDOOR AIR QUALITY (Option)

Healthy Climate® PCO Accessory

- The Healthy Climate® PCO Accessory uses photocatalytic oxidation (PCO) technology to significantly reduce levels of airborne volatile organic compounds, cooking odors and common household odors
- Lennox' Healthy Climate® PCO Accessory is mounted internally to the unit cabinet for superior indoor air quality
- Kit contains PCO cartridge, UVA lamp, UVA lampholder assembly, ballast box, wiring harness and all necessary hardware
- **NOTE** The Healthy Climate® PCO Accessory cannot be used with the Internal Filter Rack Kit. High efficiency filtration external to the return air inlet and the PCO accessory in the unit is required and must be field supplied.

Internal Filter Rack Kits

- Available for 1 in. thick filters. Kit contains filter rails for mounting filters internal to unit
- Filters are not furnished and must be field provided
- **NOTE** The Internal Filter Rack Kit cannot be used with the Healthy Climate® PCO Accessory.

NOTE - Maximum acceptable filter efficiency is MERV 11.

ELECTRIC HEAT (Option)

- · Field install internal to unit cabinet
- 5 20 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.

Optional Accessories

Single Point Power Kits

- Control Box used with optional electric heat
- For single power supply connected to multi-circuit electric heat

CONTROLS

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 10% higher, normal or 10% lower motor speed selection within (COOL) speeds selected for for fine tuning air volume
- See Blower Data tables

NOTE - HEAT speeds are not affected by jumper change.

- Cooling Airflow Ramp Up At the beginning of a call for cooling, the blower will run at 82% of full airflow for 7.5 minutes
- 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 of the normal airflow rate
- Variable speed motor interface provides for connection of a thermostat with humidity control or a humidistat on the HUM terminal

NOTE - 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

Defrost Control

- · Defrost control furnished as standard equipment
- Gives a defrost cycle for every 30, 60 or 90 minutes (adjustable) of compressor "on" time at outdoor coil temperatures below freezing
- Units are quiet-shift enabled. The compressor is de-energized entering and exiting the defrost cycle, reducing system sounds
- 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

24 Volt Transformer

 40VA transformer furnished and factory installed in control area

FEATURES

Optional Accessories

iComfort® M30 Smart Wi-Fi Progammable Thermostat

7:28 pm

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- Wi-Fi-enabled, electronic 7-day
- Universal, multi-stage
- · 4 Heat/2 Cool
- · Auto-changeover
- Dual-fuel control (optional outdoor sensor required)
- Dehumidification control during cooling mode
- Humidification control during heating mode
- · Enhanced capabilities:
 - · Humidification / Dehumidification
 - · Dewpoint measurement and control
 - · Humiditrol® control
 - Equipment maintenance reminders
- 4.3 in. color touchscreen (measured diagonally)
- LCD display with backlight shows the current and set temperature, time, inside relative humidity, system status (operating mode and schedules) and outside temperature (optional outdoor sensor required)
- Smooth Setback Recovery starts system early to achieve setpoint at start of program period
- Compressor short-cycle protection (5 minutes)
- Four separate schedules available plus Schedule IQ™
- One-Touch Away Mode Set the cooling and heating setpoints while away
- Smart Away™ Geo-fencing technology determines when the homeowner is within a predetermined distance from the home to operate the system
- · Amazon® Alexa-enabled, smart-home-compatible
- · Works with Amazon Echo, Echo Dot and Tap devices
- WI-FI remote monitoring and adjustment

NOTE - See the iComfort® M30 Smart Wi-Fi Thermostat Product Specifications bulletin in the Controls section for more information.

Remote Outdoor Temperature Sensor

- Used with the iComfort® M30 Smart Wi-Fi Thermostat
- Outdoor sensor allows thermostat to display outdoor temperature

NOTE - Remote Outdoor Temperature
Sensor is recommended for heat pump balance
point control to lock out some of the the electric
heating elements where two-stage control is
applicable.

Thermostat

- · Thermostat is not furnished with unit
- · Lennox Price Book for selection

CABINET

≔

outside 65°

I FNNOX

- · Conditioned areas insulated with foil faced insulation
- Minimizes heat loss and reduce operating sound levels
- · Powder paint for maximum durability
- · Easy service access
- Steel louvered panels provides complete coil protection

Airflow Choice

- Units are shipped in horizontal configuration
- Can be field converted to downflow (vertical) airflow with optional Downflow Conversion Kit

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

Downflow Conversion Kit

- · Required for field conversion to downflow (vertical) air.
- Consists of 2 duct covers to block off horizontal air openings on side of unit
- Drain pan overflow switch monitors condensate level in drain pan
- · Shuts down unit if drain becomes clogged

Lifting Brackets

· Available to facilitate rigging of the unit

Clip Curb (Full Perimeter)

- · Interlocking tabs fasten corners together
- · No tools required
- · Available in 8 and 14 inch heights
- Shipped knocked down

Adjustable Pitch Roof Curb (Full Perimeter)

- Fully adjustable pitch curb provides a level platform for packaged units
- Allows flexible installations on roofs with sloped or uneven angles
- Adjustable from 2/12 to 6/12 pitch
- Unit hold-down brackets secure packaged unit to curb
- Constructed of heavy-gauge galvanized steel with fully welded seams and corners
- Rounded corners on flange prevent damage to roof shingles
- · Built-in drip edge
- IAPMO/UMC listed
- CBC 2013 compliant (California)
- Seismic rating Ss=3.73 lp=1.5, wind rating 155mph
- Maximum load rating 800 lbs.

SPECIFICA	TIONS					
General Data		Model No.	LRP16HP24	LRP16HP36	LRP16HP48	LRP16HP60
		Nominal Tonnage	2	3	4	5
Cooling /	Cooling	Total capacity - Btuh	23,000	35,000	47,000	57,000
Heating Performance		Total unit watts	1910	2910	3910	4950
		¹ SEER (Btuh/Watt)	16.0	16.0	16.0	15.5
		EER (Btuh/Watt)	12.0	12.0	12.0	11.5
	High Temp.	Total capacity - Btuh	22,000	34,000	46,000	56,000
	Heat	Total unit watts	1791	2770	3740	4440
		COP	3.60	3.60	3.60	3.70
		HSPF (Region IV)	8.20	8.20	8.20	8.20
	Low Temp.	Total capacity - Btuh	11,900	19,700	26,600	37,200
	Heat	Total unit watts	1480	2530	3500	4250
		COP	2.36	2.28	2.23	2.57
	² Sou	nd Rating Number (dB)	71	71	74	74
Refrigerant		Туре	R-410A	R-410A	R-410A	R-410A
		Charge	5 lbs. 5 oz.	8 lbs. 0 oz.	10 lbs. 8 oz.	10 lbs. 8 oz.
Condensate dr	ain size (fpt)	- in.	3/4	3/4	3/4	3/4
Outdoor Coil		Net Face Area - sq. ft.	16.3	15.5	18.6	18.6
		Tube diameter - in.	5/16	5/16	5/16	5/16
		Number of Rows	1	2	2	2
		Fins per in.	22	22	22	22
Outdoor Coil		Motor horsepower	1/2	1/2	1/2	1/2
an		Diameter - in.	22	22	24	24
		Number of blades	3	3	3	3
ndoor Coil		Net Face Area - sq. ft.	4.4	4.4	6.8	6.8
		Tube Diameter - in.	5/16	3/8	3/8	3/8
		Number of Rows	3	3	3	3
		Fins per Inch	15	15	15	15
ndoor Blower	Blower whe	eel size dia. x width - in.	10 x 6	10 x 8	10 x 10	12 x 9
		Motor horsepower	1/2	1/2	3/4	1
Net weight of b	asic unit - Ib	s.	375	410	490	505
Shipping weig	ht of basic u	nit (1 Pkg.) - Ibs.	438	473	563	578
Electrical char	acteristics (6	0 hz)		208/230V	-1ph-60hz	•

¹ AHRI Certified to AHRI Standard 210/240:

Cooling Ratings - 95°F outdoor air temperature and 80°F db/67°F wb entering indoor coil air.

High Temperature Heating Ratings - 47°F db/43°F wb outdoor air temperature and 70°F entering indoor coil air.

Low Temperature Heating Ratings - 17°F db/15°F wb outdoor air temperature and 70°F entering indoor coil air.

² Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

			Model No.	LRP16HP24	LRP16HP36	LRP16HP48	LRP16HP60
Compressor C	rankcase Heate	r	11X27	•	•	•	•
Compressor H	ard Start Kit		10J42	•	•		
			12J90			•	•
Downflow Con	version Kit		11U80	•	•		
			11U81			•	•
Electric		5 kW - PHK05BP	10W47	•	•	•	•
Heat Size - 208/240V-1ph		7.5 kW - PHK07BP	10W48	•	•	•	•
		10 kW - PHK10BP	10W49	•	•	•	•
		15 kW - PHK15BP	10W50		•	•	•
		20 kW - PHK20BP	10W51			•	•
Internal Filter		(1) 20 x 20 + (1) 14 X 20	11U73	•	•		
(filters not fu	rnished)	(2) 20 x 20	11U74			•	•
Lifting Bracket	is		11U76	•	•	•	•
Clip Curbs		8 in. Height	14W71	•	•		
			14W72			•	•
		14 in. Height	14V68	•	•		
			14V69			•	•
Adjustable Pito	ch Roof Curb		Y7975	•	•		
			Y7976			•	•
Single	For 5 kV	V Electric Heat ASPWR813-10	13W88	•	•	•	•
Point Power	For 7.5 kV	V Electric Heat ASPWR814-10	13W89	•	•	•	•
Kits	For 10 kV	V Electric Heat ASPWR815-10	13W90	•	•	•	•
	For 15-20 kV	V Electric Heat ASPWR816-10	13W91		•	•	•
Healthy Clima	ate® PCO Acces	sory	Y7960	•	•	•	•
MAINTENA	ANCE SUPP	LIES - ORDER SEPARA	TELY				
	e® PCO Accesso Air® Cartridge a	ory Maintenance Kit nd UVA lamp)	Y7972	•	•	•	•
CONTROLS	S - ORDER S	SEPARATELY					
Comfort® M30	Smart Wi-Fi The	ermostat	15 Z 69	•	•	•	•
Outdoor Air T	emperature Ser	isor	X2658	•	•	•	•

¹ Filters are not furnished and must be field provided. Maximum acceptable filter efficiency is MERV 11.

² Filter Rack Kit cannot be used with the Healthy Climate® PCO Accessory. High efficiency filtration between the return air inlet and the PCO accessory is required and must be field supplied.

³ Remote Outdoor Temperature Sensor is recommended for heat pump balance point control and to lock out some of the the electric heating elements where two-stage control is applicable. Also allows the thermostat to display outdoor temperature.

ELECTRICAL/ELECT	RIC HEAT	DATA								
Model No.			LRP1	6HP24	LRP1	6HP36	LRP10	6HP48	LRP	HP60
Line voltage data - 60hz - 1	phase		208/	230V	208/	230V	208/	230V	208/	230V
Compressor	Rated	Load Amps	11	.7	16	3.1	21	.2	27	7.1
	Locked F	Rotor Amps	58	3.3	83	3.0	10-	4.0	15	2.9
Outdoor Fan Motor	Full	Load Amps	1	.2	1	.4	2	.3	2	.4
Indoor Blower Motor	Full	Load Amps	1	.7	3	.6	4	.5	5	.5
¹ Maximum		Voltage	208V	240V	208V	240V	208V	240V	208V	240V
Overcurrent Protection	Unit Only	Circuit 1	25	25	40	40	50	50	60	60
Totodion	5 kW	Circuit 1	25	30	30	35	30	35	35	35
	7.5 kW	Circuit 1	40	45	40	45	40	45	45	50
	10 kW	Circuit 1	50	60	50	60	60	60	60	60
	³ 15 kW	Circuit 1			50	60	60	60	60	60
		Circuit 2			25	30	25	30	25	30
	³ 20 kW	Circuit 1					60	60	60	60
		Circuit 2					50	60	50	60
¹ Maximum Overcurrent	5 kW		45	50	50	60	70	70	80	90
Protection with Optional Single Point Power	7.5 kW		60	60	60	70	80	80	90	100
Supply	10 kW		70	80	80	80	90	90	100	110
	15 kW				100	110	110	125	110	125
	20 kW						125	150	150	150
² Minimum	Unit Only	Circuit 1	18.0	18.0	25.6	25.6	33.8	33.8	42.3	42.3
Circuit Ampacity	5 kW	Circuit 1	24.7	28.2	27.1	30.5	28.2	31.7	29.5	32.9
Ampacity	7.5 kW	Circuit 1	36.0	41.2	38.3	43.6	39.5	44.7	40.7	45.9
	10 kW	Circuit 1	47.3	54.2	49.6	56.6	50.8	57.7	52.0	59.0
	³ 15 kW	Circuit 1			49.6	56.6	50.8	57.7	52.0	59.0
		Circuit 2			22.6	26.0	22.6	26	22.6	26.0
	³ 20 kW	Circuit 1					50.8	57.7	52.0	59.0
		Circuit 2					45.1	52.1	45.1	52.1
² Minimum Circuit	5 kW		40.6	44.0	48.2	51.6	56.4	59.8	64.9	68.3
Ampacity with Optional Single Point Power	7.5 kW		51.8	57.1	59.4	64.7	67.6	72.8	76.1	81.3
Supply	10 kW		63.1	70.1	70.7	77.7	78.9	85.9	87.4	94.3
• • •	15 kW				93.3	103.7	101.5	111.9	110.0	120.4
	20 kW						124.1	137.9	132.5	146.4

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

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

 $^{^{\}rm 3}\,\text{A}$ separate compressor circuit is required.

ELECT	RIC F	IEAT	CAPA	CITIE	S										
Input		5 kW			7.5 kW			10 kW	I		15 kW	1		20 kW	1
Voltage	No of	kW	KBtuh	No of	kW	KBtuh	No of	kW	KBtuh	No of	kW	KBtuh	No of	kW	KBtuh
	Steps	Input	Output	Steps	Input	Output	Steps	Input	Output	Steps	Input	Output	Steps	Input	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

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

LRP16HP24 Blower Performance

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

"ADJUST"				В	lower Co	ntrol Jum	per Spee	d Position	าร			
Jumper	66	COOL" S	peed - cfr	n	61	HEAT" S	peed - cfn	n	"CONT	NUOUS F	AN" Spe	ed - cfm
Setting	Α	¹ B	С	D	Α	1 B	С	D	Α	В	С	D
+	1100	880	660	440	1150	1035	690	690	550	440	330	220
NORM	1000	800	600	400	1000	900	600	600	500	400	300	200
_	900	720	540	360	1000	900	600	600	450	360	270	180

¹ Factory Settings.

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

NOTE - 1st Stage airflow is 70% of 2nd Stage airflow (full capacity) in cooling mode.

LRP16HP36 Blower Performance

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

"ADJUST"				В	lower Co	ntrol Jum	per Speed	d Position	າຣ			
Jumper	66	COOL" S	peed - cfr	n		HEAT" S	peed - cfn	n	"CONT	NUOUS F	AN" Spec	ed - cfm
Setting	Α	¹ B	С	D	Α	¹ B	С	D	Α	В	С	D
+	1430	1320	1100	880	1495	1380	1150	1150	715	660	550	440
NORM	1300	1200	1000	800	1300	1250	1000	1000	650	600	500	400
_	1170	1080	900	720	1300	1200	1000	1000	585	540	450	360

¹ Factory Settings.

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

NOTE - 1st Stage airflow is 70% of 2nd Stage airflow (full capacity) in cooling mode.

LRP16HP48 Blower Performance

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

"ADJUST"				В	lower Co	ntrol Jum	per Spee	d Positior	าร			
Jumper	66	COOL" S	peed - cfr	n	6	HEAT" S	peed - cfn	n	"CONT	NUOUS F	AN" Spe	ed - cfm
Setting	Α	1 B	С	D	Α	¹ B	С	D	Α	В	С	D
+	1980	1760	1540	1320	2070	1840	1610	1610	990	880	770	660
NORM	1800	1600	1400	1200	1800	1600	1400	1400	900	800	700	600
_	1620	1440	1260	1080	1800	1600	1400	1400	810	720	630	540

¹ Factory Settings.

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

NOTE - 1st Stage airflow is 70% of 2nd Stage airflow (full capacity) in cooling mode.

LRP16HP60 Blower Performance

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

"ADJUST"	g .					ntrol Jum	per Spee	d Position	าร			
Jumper	66	COOL" S	peed - cfr	n	6	HEAT" S	peed - cfn	n	"CONT	NUOUS F	AN" Spe	ed - cfm
Setting	Α				Α	1 B	С	D	Α	В	С	D
+	2200	1980	1760	1540	2300	2070	1840	1840	1100	990	880	770
NORM	2000	1800	1600	1400	2000	1800	1600	1600	1000	900	800	700
_	1800	1620	1440	1260	2000	1800	1600	1600	900	810	720	630

¹ Factory Settings.

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

NOTE - 1st Stage airflow is 70% of 2nd Stage airflow (full capacity) in cooling mode.

COOLING RATINGS

2 TON - LRP16HP24 (1ST STAGE)

								Out	tdoor A	ir Tem	peratu	re Enter	ing Outo	door C	oil						
Entering	Total			65°F					75°F					85°F					95°F		
Wet Bulb	Air	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sens	ble To	Total	Total	Comp.	Sens	ible To	Total
Temper-	Volume	Cool	Motor	Ra	atio (S/	T)	Cool	Motor	R	atio (S/	T)	Cool	Motor	Ra	atio (S	T)	Cool	Motor	R	atio (S/	T)
ature		Cap.	Input		ry Bul	b	Cap.	Input		ry Bul	b	Cap.	Input		ry Bul	b	Сар.	Input		ry Bull	b
	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
	500	20.1	.81	0.72	0.86	1.00	19.0	.93	0.74	0.88	1.00	17.9	1.08	0.75	0.91	1.00	16.7	1.23	0.78	0.94	1.00
63°F	560	20.5	.81	0.74	0.89	1.00	19.4	.93	0.76	0.92	1.00	18.2	1.07	0.78	0.95	1.00	17.1	1.23	0.80	0.98	1.00
	610	20.9	.80	0.76	0.93	1.00	19.7	.93	0.79	0.96	1.00	18.6	1.07	0.81	0.99	1.00	17.5	1.23	0.83	1.00	1.00
	500	21.5	.80	0.57	0.69	0.82	20.3	.92	0.58	0.71	0.85	19.1	1.06	0.59	0.73	0.88	17.9	1.22	0.60	0.75	0.91
67°F	560	21.9	.79	0.58	0.72	0.86	20.7	.92	0.59	0.74	0.88	19.4	1.06	0.60	0.76	0.91	18.2	1.22	0.62	0.78	0.95
	610	22.3	.79	0.59	0.75	0.90	21.1	.91	0.61	0.77	0.93	19.7	1.06	0.62	0.79	0.97	18.5	1.22	0.64	0.82	1.00
	500	23.0	.78	0.43	0.55	0.67	21.8	.90	0.43	0.56	0.68	20.5	1.05	0.43	0.57	0.70	19.2	1.21	0.44	0.58	0.73
71°F	560	23.4	.78	0.43	0.56	0.69	22.2	.90	0.43	0.57	0.71	20.8	1.04	0.44	0.59	0.73	19.5	1.21	0.44	0.60	0.76
	610	23.9	.78	0.43	0.58	0.72	22.5	.90	0.44	0.59	0.74	21.1	1.04	0.45	0.61	0.77	19.8	1.20	0.45	0.62	0.80

2 TON - LRP16HP24 (2ND STAGE)

F								Out	tdoor A	ir Tem	peratu	re Enter	ing Outo	loor C	oil						
Entering	Total		8	85°F					95°F				1	05°F					115°F		
Wet Bulb	Air	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sensi	ble To	Total	Total	Comp.	Sens	ible To	Total
Temper-	Volume	Cool	Motor	Ra	atio (S/	T)	Cool	Motor		atio (S/		Cool	Motor		atio (S/		Cool	Motor	R	atio (S/	Γ)
ature		Cap.	Input	D	ry Bul	b	Cap.	Input		ry Bul	b	Cap.	Input	D	ry Bul	b	Cap.	Input		Dry Bull	<u> </u>
	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
	600	23.8	1.45	0.72	0.86	1.00	22.6	1.61	0.74	0.89	1.00	21.3	1.80	0.75	0.92	1.00	19.9	2.02	0.78	0.95	1.00
63°F	800	25.2	1.46	0.79	0.97	1.00	23.9	1.62	0.82	1.00	1.00	22.6	1.81	0.84	1.00	1.00	21.4	2.03	0.86	1.00	1.00
	1000	26.6	1.47	0.86	1.00	1.00	25.3	1.63	0.88	1.00	1.00	24.0	1.82	0.90	1.00	1.00	22.6	2.03	0.93	1.00	1.00
	600	25.5	1.46	0.56	0.70	0.83	24.1	1.62	0.58	0.72	0.85	22.7	1.81	0.59	0.73	0.88	21.3	2.03	0.60	0.76	0.91
67°F	800	26.8	1.47	0.61	0.78	0.94	25.3	1.63	0.63	0.80	0.97	23.8	1.81	0.64	0.83	1.00	22.3	2.03	0.66	0.86	1.00
	1000	27.6	1.47	0.66	1.00	1.00	26.1	1.63	0.68	0.89	1.00	24.5	1.82	0.70	0.93	1.00	22.9	2.04	0.72	0.97	1.00
	600	27.3	1.47	0.43	0.55	0.67	25.8	1.63	0.43	0.56	0.69	24.4	1.82	0.43	0.57	0.71	22.8	2.04	0.43	0.59	0.73
71°F	800	28.6	1.48	0.44	0.60	0.76	27.0	1.64	0.44	0.61	0.78	25.4	1.83	0.45	0.63	0.81	23.7	2.04	0.46	0.65	0.84
	1000	29.3	1.49	0.46	0.65	0.85	27.7	1.64	0.47	0.67	0.88	26.0	1.83	0.48	0.70	0.91	24.2	2.04	0.49	0.71	0.93

3 TON - LRP16HP36 (1ST STAGE)

								Ou	tdoor A	ir Tem	peratu	re Enter	ing Outo	loor C	oil						
Entering	Total			65°F					75°F					35°F					95°F		
Wet Bulb	Air	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sens	ible To	Total
Temper-	Volume	Cool	Motor	Ra	atio (S	(T)	Cool	Motor	R	atio (S/	T)	Cool	Motor	Ra	atio (S/	T)	Cool	Motor	R	atio (S/	Τ)
ature		Cap.	Input		ry Bul	b	Cap.	Input		ry Bul	b	Cap.	Input		ry Bul	b	Cap.	Input		ry Bull	5
	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
	760	28.4	1.16	0.74	0.89	1.00	26.9	1.32	0.76	0.92	1.00	25.3	1.52	0.78	0.95	1.00	23.8	1.75	0.80	0.98	1.00
63°F	840	29.0	1.16	0.76	0.93	1.00	27.4	1.32	0.79	0.95	1.00	25.9	1.52	0.81	0.99	1.00	24.4	1.74	0.83	1.00	1.00
	920	29.4	1.16	0.79	0.97	1.00	27.9	1.32	0.81	1.00	1.00	26.4	1.52	0.83	1.00	1.00	25.1	1.74	0.85	1.00	1.00
	760	30.4	1.15	0.58	0.72	0.85	28.8	1.31	0.59	0.73	0.88	27.1	1.52	0.60	0.75	0.91	25.5	1.74	0.61	0.78	0.95
67°F	840	31.0	1.15	0.59	0.74	0.89	29.2	1.31	0.60	0.76	0.92	27.5	1.51	0.62	0.79	0.96	25.9	1.74	0.63	0.81	1.00
	920	31.4	1.15	0.61	0.77	0.93	29.7	1.31	0.62	0.79	0.97	28.0	1.51	0.64	0.82	1.00	26.3	1.74	0.65	0.85	1.00
	760	32.6	1.14	0.43	0.56	0.69	30.9	1.30	0.43	0.57	0.71	29.1	1.51	0.44	0.58	0.73	27.4	1.73	0.44	0.60	0.75
71°F	840	33.2	1.13	0.44	0.58	0.72	31.4	1.30	0.44	0.59	0.74	29.5	1.50	0.45	0.60	0.76	27.8	1.73	0.45	0.62	0.79
	920	33.6	1.13	0.44	0.59	0.75	31.8	1.30	0.45	0.61	0.77	29.9	1.50	0.45	0.62	0.80	28.1	1.73	0.46	0.64	0.83

3 TON - LRP16HP36 (2ND STAGE)

F								Out	tdoor A	ir Tem	peratu	re Enter	ing Outo	loor C	oil						
Entering Wet	Total			85°F					95°F				1	05°F					115°F		
Bulb	Air	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sensi	ble To	Total	Total	Comp.	Sens	ible To	Total
Temper-	Volume	Cool	Motor	Ra	atio (S/	(T)	Cool	Motor	R	atio (S/	T)	Cool	Motor	Ra	tio (S/	T)	Cool	Motor	R	atio (S/	T)
ature		Cap.	Input		ry Bul	b	Cap.	Input		ry Bul	b	Сар.	Input	D	ry Bul	b	Cap.	Input		Dry Bull	b
	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
	1000	35.6	2.18	0.75	0.91	1.00	33.7	2.43	0.77	0.94	1.00	31.7	2.72	0.80	0.97	1.00	29.9	3.05	0.82	1.00	1.00
63°F	1200	36.7	2.19	0.81	0.97	1.00	34.8	2.44	0.83	1.00	1.00	32.9	2.73	0.85	0.73	1.00	31.3	3.07	0.87	1.00	1.00
	1400	37.9	2.21	0.85	1.00	1.00	36.2	2.46	0.87	1.00	1.00	34.4	2.75	0.89	1.00	1.00	32.5	3.08	0.92	1.00	1.00
	1000	37.9	2.21	0.59	0.73	0.88	35.9	2.46	0.60	0.75	0.91	33.8	2.75	0.61	0.77	0.94	31.6	3.07	0.63	0.80	0.98
67°F	1200	39.0	2.22	0.62	0.79	0.96	36.9	2.47	0.63	0.81	0.98	34.6	2.76	0.65	0.84	1.00	32.4	3.08	0.67	0.87	1.00
	1400	39.8	2.23	0.65	0.85	1.00	37.6	2.48	0.67	0.88	1.00	35.3	2.76	0.69	0.91	1.00	33.0	3.09	0.71	0.95	1.00
	1000	40.5	2.24	0.43	0.57	0.71	38.3	2.49	0.44	0.58	0.73	36.1	2.77	0.44	0.60	0.75	33.9	3.10	0.45	0.61	0.78
71°F	1200	41.5	2.25	0.45	0.61	0.77	39.3	2.50	0.45	0.62	0.79	36.9	2.78	0.46	0.64	0.82	34.6	3.11	0.47	0.66	0.85
	1400	42.3	2.26	0.46	0.65	0.83	39.9	2.51	0.47	0.66	0.86	37.5	2.79	0.48	0.69	0.89	35.1	3.11	0.49	0.71	0.90

COOLING RATINGS

4 TON - LRP16HP48 (1ST STAGE)

								Ou	tdoor A	ir Tem	peratu	re Enter	ing Outo	loor C	lic						
Entering	Total		(65°F					75°F				3	35°F					95°F		
Wet Bulb	Air	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sensi	ble To	Total	Total	Comp.	Sens	ible To	Total
Temper-	Volume	Cool	Motor	Ra	atio (S	/T)	Cool	Motor	R	atio (S/	T)	Cool	Motor	Ra	atio (S/	(T)	Cool	Motor	R	atio (S/	T)
ature		Cap.	Input		ry Bul	b	Сар.	Input		ry Bul	b	Cap.	Input	D	ry Bul	b	Cap.	Input		ry Bull	b
	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
	1010	38.3	1.45	0.74	0.88	1.00	36.1	1.70	0.75	0.91	1.00	33.8	1.98	0.78	0.94	1.00	31.5	2.27	0.80	0.98	1.00
63°F	1120	39.1	1.45	0.76	0.92	1.00	36.8	1.69	0.78	0.95	1.00	34.4	1.97	0.81	0.99	1.00	32.3	2.27	0.83	1.00	1.00
	1230	39.8	1.44	0.79	0.96	1.00	37.4	1.69	0.81	0.99	1.00	35.2	1.97	0.83	1.00	1.00	33.2	2.26	0.85	1.00	1.00
	1010	41.0	1.43	0.58	0.71	0.85	38.6	1.68	0.58	0.73	0.88	36.2	1.96	0.60	0.75	0.91	33.8	2.26	0.61	0.78	0.94
67°F	1120	41.8	1.42	0.59	0.74	0.89	39.3	1.67	0.60	0.76	0.92	36.7	1.95	0.62	0.79	0.96	34.3	2.25	0.63	0.82	1.00
	1230	42.4	1.42	0.61	0.77	0.93	39.8	1.67	0.62	0.79	0.96	37.3	1.95	0.64	0.82	1.00	34.8	2.25	0.66	0.85	1.00
	1010	43.7	1.41	0.43	0.56	0.69	41.2	1.66	0.43	0.57	0.71	38.7	1.94	0.44	0.58	0.73	36.2	2.24	0.44	0.60	0.75
71°F	1120	44.5	1.40	0.43	0.58	0.72	41.9	1.65	0.44	0.59	0.74	39.3	1.93	0.44	0.60	0.76	36.8	2.23	0.45	0.62	0.79
	1230	45.2	1.40	0.44	0.59	0.75	42.5	1.65	0.45	0.61	0.77	39.9	1.93	0.45	0.63	0.80	37.3	2.23	0.46	0.64	0.83

4 TON - LRP16HP48 (2ND STAGE)

	Ì							Out	tdoor A	ir Tem	peratu	re Enter	ing Outo	loor C	oil						
Entering	Total		8	35°F					95°F				1	05°F					115°F		
Wet Bulb	Air	Total	Comp.	Sens	ble To	Total	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sensi	ble To	Total	Total	Comp.	Sens	ible To	Total
Temper-	Volume	Cool	Motor	Ra	atio (S/	T)	Cool	Motor	R	atio (S/	T)	Cool	Motor	Ra	tio (S/	T)	Cool	Motor	R	atio (S/	T)
ature		Cap.	Input		ry Bul	b	Cap.	Input		ry Bul	b	Cap.	Input	D	ry Bul	b	Cap.	Input		ry Bull	b
	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
	1400	47.8	2.80	0.77	0.93	1.00	45.2	3.13	0.79	0.96	1.00	42.5	3.52	0.81	0.97	1.00	39.9	3.96	0.84	1.00	1.00
63°F	1600	48.9	2.81	0.81	0.97	1.00	46.3	3.14	0.83	0.99	1.00	44.0	3.53	0.85	1.00	1.00	41.6	3.98	0.87	1.00	1.00
	1800	50.0	2.82	0.84	1.00	1.00	47.8	3.16	0.86	1.00	1.00	45.3	3.55	0.88	1.00	1.00	42.8	4.00	0.88	1.00	1.00
	1400	50.9	2.83	0.59	0.74	0.90	48.2	3.16	0.61	0.77	0.93	45.5	3.55	0.62	0.79	0.94	42.5	4.00	0.63	0.82	0.98
67°F	1600	52.2	2.84	0.62	0.79	0.94	49.2	3.17	0.63	0.81	0.97	46.0	3.56	0.65	0.84	1.00	43.3	4.01	0.67	0.87	1.00
	1800	53.3	2.85	0.64	0.83	0.98	49.9	3.18	0.66	0.86	1.00	46.9	3.57	0.67	0.89	1.00	43.9	4.01	0.70	0.90	1.00
	1400	54.2	2.85	0.44	0.58	0.73	51.3	3.19	0.44	0.59	0.75	48.2	3.58	0.45	0.61	0.77	45.3	4.03	0.45	0.63	0.80
71°F	1600	55.4	2.86	0.99	0.61	0.77	52.2	3.20	0.45	0.62	0.80	49.2	3.59	0.46	0.64	0.83	46.2	4.05	0.46	0.66	0.86
	1800	56.1	2.87	0.46	0.64	0.82	53.0	3.21	0.46	0.65	0.83	49.9	3.60	0.47	0.67	0.84	46.7	4.05	0.47	0.70	0.88

5 TON - LRP16HP60 (1ST STAGE)

								Out	tdoor A	ir Tem	peratu	re Enter	ing Outo	loor C	oil						
Entering	Total		(55°F					75°F					35°F					95°F		
Wet Bulb Temper-	Air Volume	Total Cool	Comp. Motor		ble To tio (S/		Total Cool	Comp. Motor		ible To atio (S/		Total Cool	Comp. Motor		ible To atio (S/		Total Cool	Comp. Motor		ible To atio (S/	
ature		Cap.	Input	D	ry Bul	b	Cap.	Input		ry Bul	b	Сар.	Input	D	ry Bul	b	Cap.	Input		ry Bull	b
uturc	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
	1130	46.9	1.92	0.71	0.85	0.98	38.3	2.20	0.84	1.00	1.00	41.3	2.53	0.75	0.90	1.00	38.6	2.88	0.77	0.93	1.00
63°F	1260	48.0	1.91	0.73	0.88	1.00	45.1	2.20	0.75	0.91	1.00	42.2	2.53	0.78	0.94	1.00	39.3	2.88	0.80	0.98	1.00
	1390	48.9	1.90	0.76	0.92	1.00	46.0	2.19	0.78	0.93	1.00	43.0	2.52	0.80	0.97	1.00	40.2	2.88	0.83	1.00	1.00
	1130	50.1	1.89	0.56	0.69	0.81	47.3	2.18	0.57	0.70	0.84	44.3	2.51	0.58	0.72	0.86	41.4	2.87	0.59	0.75	0.90
67°F	1260	51.2	1.89	0.57	0.71	0.85	48.2	2.18	0.58	0.73	0.88	45.2	2.51	0.60	0.75	0.91	42.1	2.87	0.61	0.78	0.94
	1390	52.1	1.88	0.59	0.74	0.88	49.0	2.17	0.60	0.76	0.92	45.9	2.51	0.62	0.78	0.94	42.8	2.86	0.63	0.81	0.97
	1130	53.4	1.87	0.42	0.54	0.66	50.4	2.16	0.43	0.55	0.68	47.2	2.50	0.43	0.57	0.70	44.3	2.85	0.43	0.58	0.72
71°F	1260	54.5	1.86	0.43	0.56	0.69	51.4	2.16	0.43	0.57	0.71	48.2	2.49	0.44	0.58	0.73	45.1	2.85	0.44	0.60	0.76
	1390	55.4	1.86	0.43	0.58	0.72	52.2	2.15	0.44	0.59	0.74	48.9	2.49	0.44	0.60	0.76	45.7	2.84	0.45	0.62	0.79

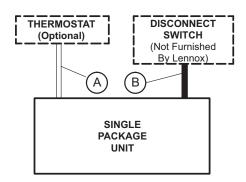
5 TON - LRP16HP60 (2ND STAGE)

								Ou	tdoor A	ir Tem	peratu	re Enter	ing Outo	loor C	oil						
Entering	Total			85°F					95°F				1	05°F					115°F		
Wet Bulb	Air	Total	Comp.	Sensi	ible To	Total	Total	Comp.	Sens	ible To	Total	Total	Comp.	Sensi	ible To	Total	Total	Comp.	Sens	ible To	Total
Temper-	Volume	Cool	Motor	Ra	atio (S/	/T)	Cool	Motor	R	atio (S/	T)	Cool	Motor	Ra	atio (S/	T)	Cool	Motor	R	atio (S/	T)
ature		Cap.	Input	D	ry Bul	b	Сар.	Input		ry Bul	b	Cap.	Input	D	ry Bul	b	Cap.	Input		ry Bull	b
ature	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
	1600	57.3	3.63	0.75	0.89	1.00	54.2	4.03	0.77	0.91	1.00	51.1	4.49	0.79	0.94	1.00	48.0	5.00	0.82	0.97	1.00
63°F	1800	58.4	3.64	0.78	0.93	1.00	55.3	4.04	0.80	0.96	1.00	52.3	4.49	0.83	0.99	1.00	49.0	5.02	0.82	1.00	1.00
	2000	59.5	3.66	0.80	0.97	1.00	56.4	4.06	0.82	0.99	1.00	53.3	4.52	0.84	1.00	1.00	50.6	5.04	0.85	1.00	1.00
	1600	60.8	3.68	0.59	0.73	0.86	57.6	4.08	0.60	0.75	0.89	54.3	4.53	0.61	0.77	0.91	51.1	5.05	0.62	0.80	0.94
67°F	1800	62.2	3.70	0.60	0.77	0.90	58.9	4.10	0.62	0.79	0.93	55.6	4.54	0.63	0.81	0.95	51.3	5.06	0.66	0.81	1.00
	2000	63.1	3.71	0.62	0.80	0.94	59.7	4.11	0.64	0.81	0.97	56.0	4.56	0.65	0.83	1.00	52.4	5.07	0.68	0.86	1.00
	1600	64.7	3.73	0.43	0.57	0.71	61.3	4.13	0.44	0.58	0.73	57.7	4.59	0.44	0.60	0.76	54.3	5.10	0.44	0.61	0.78
71°F	1800	65.9	3.75	0.44	0.59	0.75	62.3	4.15	0.44	0.61	0.77	58.5	4.60	0.45	0.62	0.80	55.0	5.12	0.46	0.64	0.78
	2000	66.7	3.76	0.45	0.62	0.79	63.0	4.16	0.45	0.63	0.79	59.4	4.62	0.46	0.65	0.79	55.6	5.13	0.47	0.67	0.84

HEATING RATINGS

				0	utdoor Tem	p - DB/WB	°F			
Model	0/	/0	17/	/15	35	/33	47	/43	62	/56
	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW
LRP16HP24	6100	1.30	11,900	1.48	18,100	1.67	22,100	1.80	27,200	1.95
LRP16HP36	11,100	2.36	19,700	2.53	28,700	2.71	34,700	2.83	42,200	2.98
LRP16HP48	14,900	3.33	26,600	3.50	39,100	3.68	47,400	3.81	57,800	3.96
LRP16HP60	24,800	4.06	37,200	4.25	50,300	4.45	59,000	4.59	69,900	4.75

FIELD WIRING

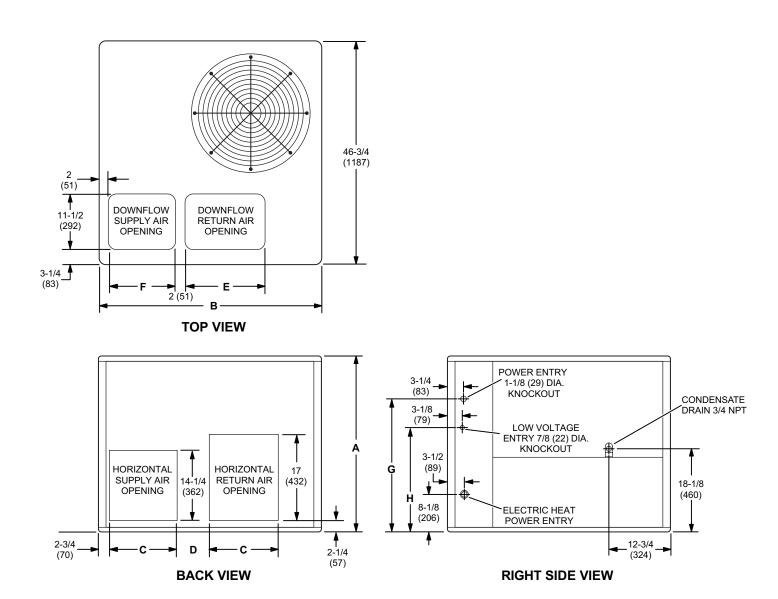


- A Seven Wire Low Voltage (Electronic)
- B Two Wire Power (See Electrical Data Table)

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

- Field Wiring Not Furnished -

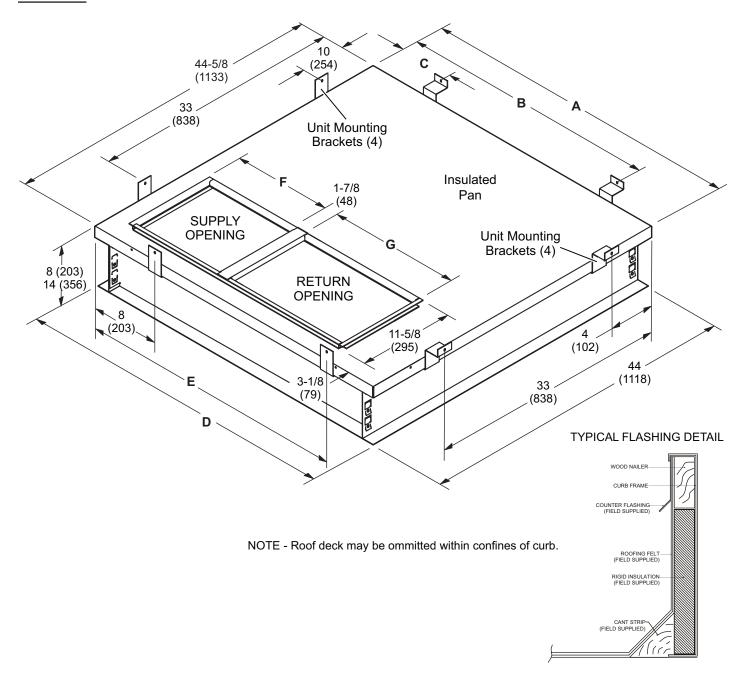
INSTALLATION CLEARANG	CES	
	in.	mm
Front	24	610
Right Side (blower access)	24	610
Left Side (evaporator coil access)	24	610
Back	0	0
Тор	48	1219



		4	E	3	()	Е	
Model No.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
LRP16HP24, 36	36-7/8	937	46-3/4	1187	13-3/8	340	5-7/8	149	16-3/4	425
LRP16HP48, 60	40-7/8	1038	55-1/4	1403	18-1/8	467	4-5/8	117	19-3/4	502
Madal Na	F	=	(3	ŀ	1				
Model No.	in.	mm	in.	mm	in.	mm	-			
LRP16HP24, 36	14	356	28-1/8	714	22-1/8	562	-			
LRP16HP48, 60	19-1/2	495	32-1/8	816	26-1/8	664	-			

DIMENSIONS - ACCESSORIES

CLIP CURB



Hoose	A	Α	E	3	([)		E
Usage	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
24, 36	44-5/8	1133	43	1092	18	457	44	1118	37	940
48, 60	53-1/8	1349	51	1295	24	610	52-1/2	1334	41	1041
Heere	F	=	(3						
Usage	in.	mm	in.	mm	•					
24, 36	14	356	16-3/4	425	•					

502

19-1/2

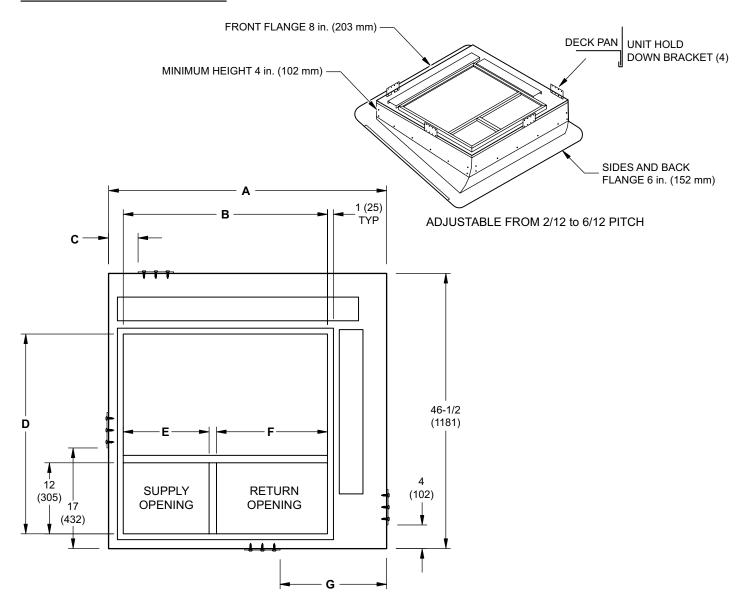
495

19-3/4

48, 60

DIMENSIONS - ACCESSORIES

ADJUSTABLE PITCH ROOF CURB



Lloone	Į.	4	E	3	([)
Usage	in.	mm	in.	mm	in.	mm	in.	mm
24, 36	47	1194	34-1/2	876	5	127	33-3/4	857
48, 60	55-1/4	1403	42-3/8	1076	10	254	33	838
Model No	Е		F	•	(3		
Model No.	in.	mm	in.	mm	in.	mm		
24, 36	14-1/2	368	18-3/4	476	18	457		
48, 60	20	508	21-1/8	537	18-1/4	464	•	

REVISIONS	
Sections	Description of Change
Specification	Model number changed to incorporate "V" blower motors.







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