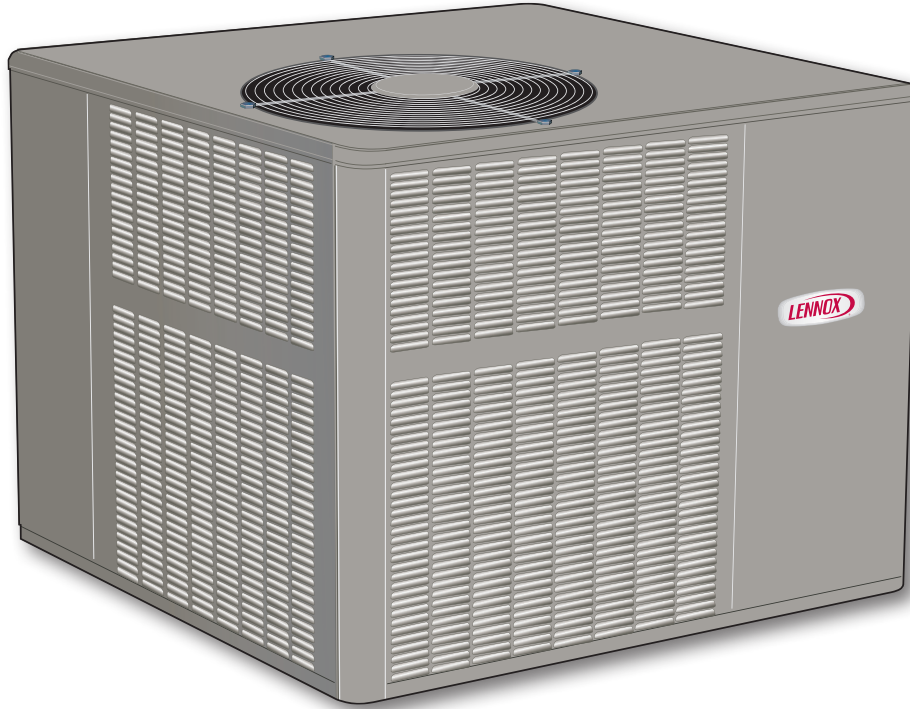




High Efficiency Blower Motor - R-410A - 60Hz

**RESIDENTIAL  
PRODUCT SPECIFICATIONS**

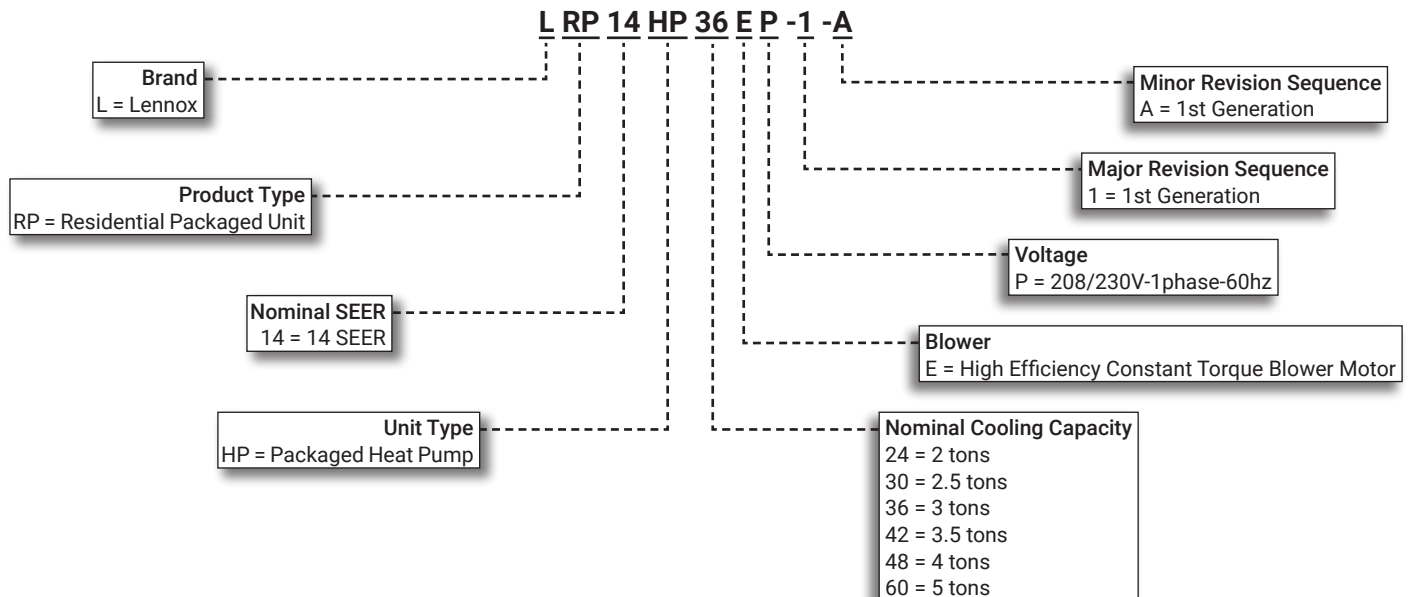
Bulletin No. 210908  
July 2019  
Supersedes Bulletin #210721



**SEER - 14.00  
HSPF - 8.00  
2 to 5 Tons**

**Cooling Capacity - 22,600 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
- 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

### REFRIGERATION SYSTEM

#### R-410A Refrigerant

- Non-chlorine, ozone friendly
- Unit is factory pre-charged

#### Indoor and Outdoor Coils

- Copper tube with aluminum fin coils

#### Anti-Microbial Evaporator 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

#### 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

### Optional Accessories

#### Drain Pan Overflow Switch

- Monitors condensate level in drain pan
- Shuts down unit if drain becomes clogged

### COMPRESSOR

#### Scroll Compressor

- High efficiency with uniform suction flow
- Constant discharge flow, high volumetric efficiency and quiet operation
- Low gas pulses during compression reduces operational sound levels
- Compressor motor is internally protected from excessive current and temperature
- Muffler in discharge line reduces operating sound levels
- Compressor is installed in the unit on resilient rubber mounts for vibration free operation

#### Scroll 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

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

## FEATURES

### **CABINET**

- 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

### **Gas Piping Inlets, Electrical Inlets and Service Valves**

- Gas piping and field wiring inlets are located in one central area of the cabinet
- See dimension drawing
- Gauge ports are located inside the cabinet

### **Optional Accessories**

#### **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 -  $S_s=3.73$   $I_p=1.5$ , wind rating - 155mph
- Maximum load rating – 800 lbs.

### **AIR FILTER (required)**

#### **Optional Accessories**

#### **Internal Filter Rack Kits**

- Available for 1 in. thick filters
- Filter rails mount internal to unit

**NOTE** - Filters must be field provided.

### **SUPPLY AIR BLOWER**

#### **Direct drive blower**

- Blower wheel is statically and dynamically balanced
- Resiliently mounted
- Blower assembly easily removed for servicing

#### **Constant Torque Blower Motor**

- DC Brushless Motor
- High Efficiency Constant Torque
- ECM (Electronically Commutated Motor)
- Motor is programmed to provide constant torque at each of the selectable speeds
- Fixed blower "On" delay prevents cold air from entering system during gas heating demand
- See Blower Performance tables

## FEATURES

### ELECTRIC HEAT (5-20 KW)

#### Optional Accessories

- Field installed internal to unit cabinet
- Available in several voltages and kW sizes
- Helix wound nichrome heating elements exposed directly in air stream
- 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
- For single power supply connected to multi-circuit electric heat

### CONTROLS

#### Defrost Control

- Furnished as standard equipment
- Enables 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
- 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

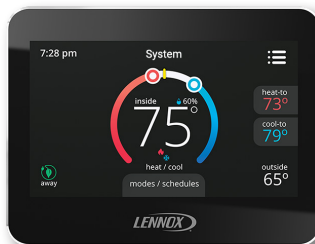
#### 24 Volt Transformer

- 40VA transformer furnished and factory installed in control area

#### Optional Accessories

#### iComfort® M30 Smart Wi-Fi Thermostat

- Wi-Fi-enabled, electronic 7-day, universal, multi-stage, programmable, touchscreen thermostat
- 4 Heat/2 Cool
- Auto-changeover
- Dual-fuel control with optional outdoor sensor
- Controls dehumidification during cooling mode and humidification during heating mode
- Offers enhanced capabilities including humidification / dehumidification / dewpoint measurement and control, Humiditrol® control, and equipment maintenance reminders
- Easy to read 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)
- Up to four separate schedules are available plus Schedule IQ™
- One-Touch Away Mode - A quick and easy way to set the cooling and heating setpoints while away
- Smart Away™ - Uses geo-fencing technology to determine when the homeowner is within a predetermined distance from the home to operate the system when leaving, away and arriving
- Wi-Fi remote monitoring and adjustment through a home wireless network for desktop PCs, laptops and apps for smartphones or tablets
- Smart home automation compatible with Amazon Alexa®, Google Assistant and IFTTT
- Service Dashboard features online real-time monitoring of installed iComfort® thermostats

**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
- Automatically detected when connected to thermostat



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

#### Thermostat

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

## SPECIFICATIONS

General Data			Model No.	LRP14HP24	LRP14HP30	LRP14HP36	LRP14HP42	LRP14HP48	LRP14HP60
Nominal Tonnage				2	2.5	3	3.5	4	5
<b>Cooling / Heating Performance</b>	Cooling	Total capacity - Btuh		22,600	28,600	34,000	40,000	46,000	57,000
		Total unit watts		2055	2600	3090	3635	4180	5180
		<sup>1</sup> SEER (Btuh/Watt)		14.00	14.00	14.00	14.00	14.00	14.00
		EER (Btuh/Watt)		11.00	11.00	11.00	11.00	11.00	11.00
	High Temp. Heat	Total capacity - Btuh		22,000	27,000	32,400	39,000	45,000	56,000
		Total unit watts		1700	2140	2645	3175	3565	4440
		COP		3.80	3.70	3.70	3.60	3.70	3.70
		HSPF Region IV / Region V		8.00 / 6.95	8.00 / 6.95	8.00 / 6.95	8.00 / 6.95	8.00 / 6.95	8.00 / 6.95
	Low Temp. Heat	Total capacity - Btuh		12,300	15,900	20,000	23,600	27,000	33,600
		Total unit watts		1570	2025	2550	3010	3445	4105
COP			2.30	2.30	2.30	2.30	2.30	2.40	
<sup>2</sup> Sound Rating Number (dBA)			78	78	76	78	79	78	
<b>Refrigerant</b>	Type		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	
	Charge		5 lbs. 11 oz.	6 lbs. 0 oz.	5 lbs. 12 oz.	10 lbs. 5 oz.	10 lbs. 3 oz.	10 lbs. 1 oz.	
<b>Condensate drain size (fpt) - in.</b>				3/4	3/4	3/4	3/4	3/4	3/4
<b>Outdoor Coil</b>	Net Face Area - sq. ft.			16.4	16.4	16.4	16.6	16.6	18.6
	Tube diameter - in.			5/16	5/16	5/16	5/16	5/16	5/16
	Number of Rows			1	1	1	2	2	2
	Fins per in.			22	22	22	22	22	22
<b>Outdoor Coil Fan</b>	Motor horsepower			1/6	1/6	1/6	1/4	1/4	1/4
	Diameter - in.			22	22	22	24	24	24
	Number of blades			4	4	4	3	3	3
<b>Indoor Coil</b>	Net Face Area - sq. ft.			4.4	4.4	4.4	6.8	6.8	6.8
	Tube Diameter - in.			5/16	3/8	3/8	3/8	3/8	3/8
	Number of Rows			3	3	3	3	3	3
	Fins per Inch			15	15	15	15	15	15
<b>Indoor Blower</b>	Blower wheel size dia. x width - in.			10 x 6	10 x 6	10 x 8	10 x 10	10 x 10	12 x 9
	Motor horsepower			1/3	1/2	1/2	3/4	3/4	1
<b>Net weight of basic unit - lbs.</b>				333	342	352	455	465	482
<b>Shipping weight of basic unit (1 Pkg.) - lbs.</b>				396	405	415	528	538	555
<b>Electrical characteristics (60 Hz)</b>				208/230V-1ph-60hz					

<sup>1</sup> 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.

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

## OPTIONAL ACCESSORIES - ORDER SEPARATELY

		Model No.	LRP14HP24	LRP14HP30	LRP14HP36	LRP14HP42	LRP14HP48	LRP14HP60
<b>Compressor Crankcase Heater</b>		<b>11X27</b>	•	•	•	•	•	•
<b>Compressor Hard Start Kit</b>		<b>10J42</b>	•	•	•		•	•
		<b>88M91</b>				•		
<b>Downflow Conversion Kit (includes drain pan overflow switch)</b>		<b>11U80</b>	•	•	•			
		<b>11U81</b>				•	•	•
<b>Electric Heat Size - 208/240V-1ph</b>	5 kW - PHK05BP	<b>10W47</b>	•	•	•	•	•	•
	7.5 kW - PHK07BP	<b>10W48</b>	•	•	•	•	•	•
	10 kW - PHK10BP	<b>10W49</b>	•	•	•	•	•	•
	15 kW - PHK15BP	<b>10W50</b>			•	•	•	•
	20 kW - PHK20BP	<b>10W51</b>				•	•	•
<b><sup>1</sup> Internal Filter Rack Kit (filters not furnished)</b>	(1) 20 x 20 + (1) 14 X 20	<b>11U73</b>	•	•	•			
	(2) 20 x 20	<b>11U74</b>				•	•	•
<b>Lifting Brackets</b>		<b>11U76</b>	•	•	•	•	•	•
<b>Clip Curbs</b>	8 in. Height	<b>14W71</b>	•	•	•			
		<b>14W72</b>				•	•	•
	14 in. Height	<b>14V68</b>	•	•	•			
		<b>14V69</b>				•	•	•
<b>Adjustable Pitch Roof Curb</b>		<b>Y7975</b>	•	•	•			
		<b>Y7976</b>				•	•	•
<b>Single Point Power Kits</b>	For 5 kW Electric Heat ASPWR813-10	<b>13W88</b>	•	•	•	•	•	•
	For 7.5 kW Electric Heat ASPWR814-10	<b>13W89</b>	•	•	•	•	•	•
	For 10 kW Electric Heat ASPWR815-10	<b>13W90</b>	•	•	•	•	•	•
	For 15-20 kW Electric Heat ASPWR816-10	<b>13W91</b>			•	•	•	•
<b>CONTROLS - ORDER SEPARATELY</b>								
<b>iComfort® M30 Smart Wi-Fi Thermostat</b>		<b>15Z69</b>	•	•	•	•	•	•
<b><sup>2</sup> Outdoor Air Temperature Sensor</b>		<b>X2658</b>	•	•	•	•	•	•

<sup>1</sup> Filters are not furnished and must be field provided.

<sup>2</sup> Remote Outdoor Temperature Sensor is recommended for heat pump balance point control and to lock out some of the electric heating elements where two-stage control is applicable. Also allows the thermostat to display outdoor temperature.

## 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.			LRP14HP24		LRP14HP30		LRP14HP36	
Line voltage data - 60hz - 1 phase			208/230V		208/230V		208/230V	
<b>Compressor</b>	Rated Load Amps		12.1		15		16.7	
	Locked Rotor Amps		59.3		72.5		83.9	
<b>Outdoor Fan Motor</b>	Full Load Amps		1.0		1.0		1.0	
	Locked Rotor Amps		1.9		1.9		1.9	
<b>Indoor Blower Motor</b>	Full Load Amps		2.8		6.1		4.1	
	Locked Rotor Amps		3.9		6.6		4.4	
<b><sup>1</sup> Maximum Overcurrent Protection</b>	<b>Voltage</b>		<b>208V</b>	<b>240V</b>	<b>208V</b>	<b>240V</b>	<b>208V</b>	<b>240V</b>
	<b>Unit Only</b>	Circuit 1	25	25	35	35	35	35
	<b>5 kW</b>	Circuit 1	30	30	30	30	30	35
	<b>7.5 kW</b>	Circuit 1	40	45	40	45	40	45
	<b><sup>3</sup> 15 kW</b>	Circuit 1	---	---	50	60	50	60
		Circuit 2	---	---	25	30	25	30
<b><sup>1</sup> Maximum Overcurrent Protection with Optional Single Point Power Supply</b>	<b>5 kW</b>		45	45	45	50	50	50
	<b>7.5 kW</b>		60	60	60	60	60	70
	<b>10 kW</b>		70	70	70	80	70	80
	<b>15 kW</b>		---	---	90	100	100	110
<b><sup>2</sup> Minimum Circuit Ampacity</b>	<b>Unit Only</b>	Circuit 1	17.4	17.4	21.9	21.9	23.6	23.4
	<b>5 kW</b>	Circuit 1	25.4	28.8	25.4	28.8	27.7	31.2
	<b>7.5 kW</b>	Circuit 1	36.7	41.9	36.7	41.9	39	44.2
	<b>10 kW</b>	Circuit 1	47.9	54.9	47.9	54.9	50.3	57.2
		Circuit 2	---	---	22.6	26	22.6	26
	<b><sup>2</sup> Minimum Circuit Ampacity with Optional Single Point Power Supply</b>	<b>5 kW</b>		39.1	42.4	42.3	45.7	46
<b>7.5 kW</b>			50.3	55.6	53.6	58.8	57.3	62.5
<b>10 kW</b>			61.6	68.6	64.8	71.8	68.6	75.5
<b>15 kW</b>			---	---	87.4	97.8	91.1	101.5

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.

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.

<sup>3</sup> A separate compressor circuit is required.



## ELECTRICAL/ELECTRIC HEAT DATA

Model No.		LRP14HP42		LRP14HP48		LRP14HP60		
Line voltage data - 60hz - 1 phase		208/230V		208/230V		208/230V		
<b>Compressor</b>	Rated Load Amps	16		16.9		27.1		
	Locked Rotor Amps	85		96		144.2		
<b>Outdoor Fan Motor</b>	Full Load Amps	1.7		1.7		1.7		
	Locked Rotor Amps	3.2		3.2		3.2		
<b>Indoor Blower Motor</b>	Full Load Amps	6		6		7.6		
	Locked Rotor Amps	5.4		6.8		---		
<sup>1</sup> <b>Maximum Overcurrent Protection</b>	<b>Voltage</b>	<b>208V</b>	<b>240V</b>	<b>208V</b>	<b>240V</b>	<b>208V</b>	<b>240V</b>	
	<b>Unit Only</b>	Circuit 1	40	40	45	45	60	60
	<b>5 kW</b>	Circuit 1	35	35	35	35	35	35
	<b>7.5 kW</b>	Circuit 1	45	50	45	50	45	50
	<b>10 kW</b>	Circuit 1	55	60	55	60	60	60
		<sup>3</sup> <b>15 kW</b>	Circuit 1	55	60	55	60	60
		Circuit 2	25	30	25	30	25	30
	<sup>3</sup> <b>20 kW</b>	Circuit 1	60	60	60	60	60	60
		Circuit 2	50	60	50	60	50	60
	<sup>1</sup> <b>Maximum Overcurrent Protection with Optional Single Point Power Supply</b>	<b>5 kW</b>		60	60	60	60	80
<b>7.5 kW</b>			70	70	70	70	80	90
<b>10 kW</b>			80	80	80	90	90	100
<b>15 kW</b>			100	110	100	110	110	125
<b>20 kW</b>			125	150	125	150	150	150
<sup>2</sup> <b>Minimum Circuit Ampacity</b>	<b>Unit Only</b>	Circuit 1	27.8	27.8	28.7	28.7	39.7	39.7
	<b>5 kW</b>	Circuit 1	30.1	33.5	30.1	33.5	30.2	33.6
	<b>7.5 kW</b>	Circuit 1	61.6	66.6	61.6	66.6	41.5	46.7
	<b>10 kW</b>	Circuit 1	52.6	59.6	52.6	59.6	52.7	59.7
		<sup>3</sup> <b>15 kW</b>	Circuit 1	52.6	59.6	52.6	59.6	52.7
		Circuit 2	22.6	26	22.6	26	22.6	26
	<sup>3</sup> <b>20 kW</b>	Circuit 1	52.6	59.6	52.6	59.6	52.7	59.7
		Circuit 2	45.1	52.1	45.1	52.1	45.1	52.1
<sup>2</sup> <b>Minimum Circuit Ampacity with Optional Single Point Power Supply</b>	<b>5 kW</b>		50.3	53.8	51.3	54.8	60.6	64
	<b>7.5 kW</b>		61.6	66.8	62.6	67.8	71.9	77.1
	<b>10 kW</b>		72.9	79.2	73.9	80.8	83.1	90.1
	<b>15 kW</b>		95.5	105.9	96.6	106.9	105.7	116.1
	<b>20 kW</b>		118	131.9	119	132.9	128.2	142.1

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.

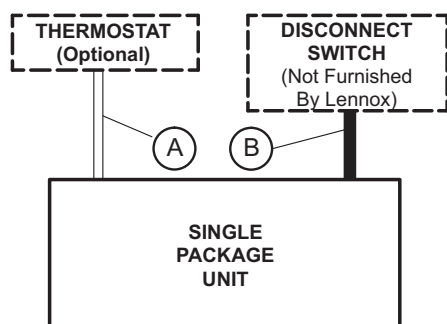
NOTE- Extremes of operating range are plus and minus 10% of line voltage.

<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.

<sup>3</sup> A separate compressor circuit is required.

## FIELD WIRING



A - 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 -

## BLOWER DATA

Model No.	Blower Tap	Air Volume (cfm) at Various External Static Pressures - in. w.g.							
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
LRP14HP24	Tap 1 (Fan Only)	680	590	550	500	450	380	---	---
	Tap 2 (Low Cooling)	890	830	800	760	710	680	640	600
	Tap 3 (High Cooling)	1000	960	930	880	840	810	770	730
	<sup>1</sup> Tap 4 (Low Electric Heat)	890	830	800	760	---	---	---	---
	<sup>1</sup> Tap 5 (High Electric Heat)	---	---	---	---	840	810	770	730
LRP14HP30	Tap 1 (Fan Only)	680	640	600	570	530	490	---	---
	Tap 2 (Low Cooling)	1100	1070	1050	1020	990	960	930	900
	Tap 3 (High Cooling)	1180	1160	1130	1090	1070	1040	1010	960
	<sup>1</sup> Tap 4 (Low Electric Heat)	1100	1070	1050	1020	---	---	---	---
	<sup>1</sup> Tap 5 (High Electric Heat)	---	---	---	---	1070	1040	1010	960
LRP14HP36	Tap 1 (Fan Only)	860	810	760	710	660	590	550	490
	Tap 2 (Low Cooling)	1300	1265	1235	1200	1165	1125	10185	1040
	Tap 3 (High Cooling)	1475	1450	1420	1375	1345	1310	1275	1190
	<sup>1</sup> Tap 4 (Low Electric Heat)	1300	1265	1235	1200	---	---	---	---
	<sup>1</sup> Tap 5 (High Electric Heat)	---	---	---	---	1345	1310	1275	1190
LRP14HP42	Tap 1 (Fan Only)	800	720	640	550	475	390	310	---
	Tap 2 (Low Cooling)	1470	1410	1360	1300	1260	1210	1155	1095
	Tap 3 (High Cooling)	1700	1650	1610	1575	1560	1480	1480	1390
	<sup>1</sup> Tap 4 (Low Electric Heat)	1470	1410	1360	1300	---	---	---	---
	<sup>1</sup> Tap 5 (High Electric Heat)	---	---	---	---	1560	1480	1480	1390
LRP14HP48	Tap 1 (Fan Only)	1165	1075	1000	930	850	790	760	670
	Tap 2 (Low Cooling)	1675	1630	1600	1540	1490	1440	1390	1300
	Tap 3 (High Cooling)	1800	1770	1715	1690	1660	1610	1565	1500
	<sup>1</sup> Tap 4 (Low Electric Heat)	1675	1630	1600	1540	---	---	---	---
	<sup>1</sup> Tap 5 (High Electric Heat)	---	---	---	---	1660	1610	1565	1500
LRP14HP60	Tap 1 (Fan Only)	1400	1320	1260	1200	1120	1060	980	900
	Tap 2 (Low Cooling)	1920	1870	1820	1770	1720	1670	1450	1360
	Tap 3 (High Cooling)	2240	2200	2140	2100	2060	2020	1980	1950
	<sup>1</sup> Tap 4 (Low Electric Heat)	1920	1870	1820	1770	---	---	---	---
	<sup>1</sup> Tap 5 (High Electric Heat)	---	---	---	---	2060	2020	1980	1950

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

<sup>1</sup> Taps 4 and 5 are used with Optional Electric Heat. Refer to Electric Heat nameplate for proper heat tap selection.

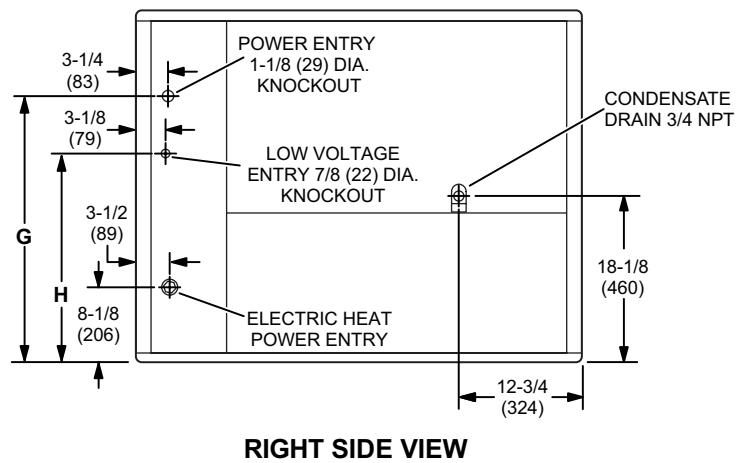
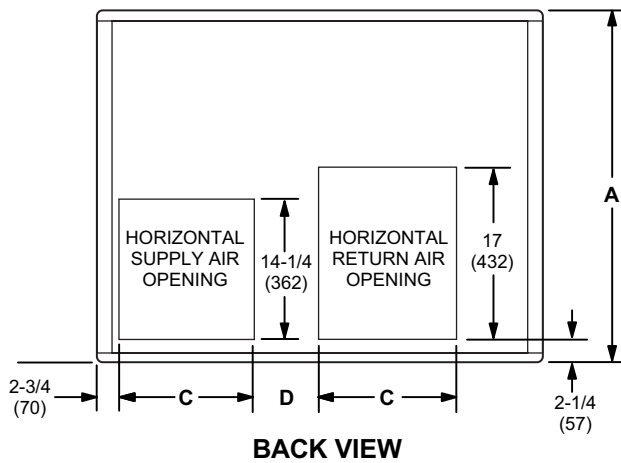
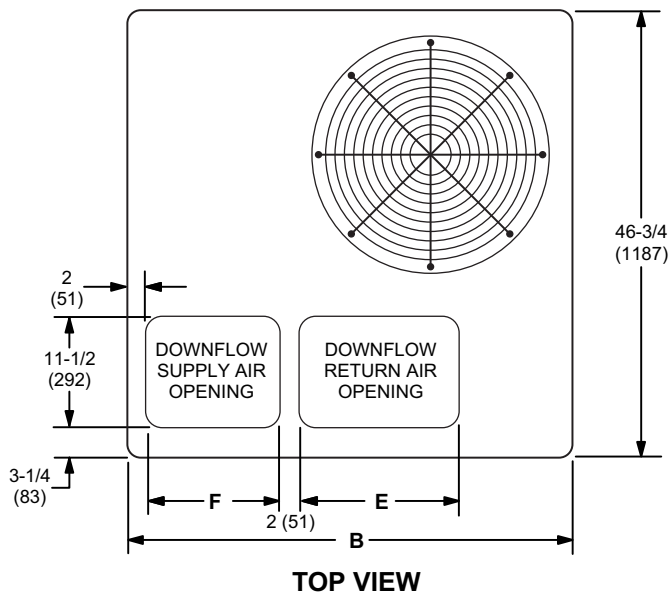
## COOLING RATINGS

Model	Indoor Temp DB/WB °F	Outdoor Temperature - DB														
		65°F			82°F			95°F			105°F			115°F		
		Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
LRP14HP24	85/72	29,500	0.63	1.40	28,100	0.65	1.67	27,000	0.67	1.89	25,400	0.72	2.06	23,800	0.78	2.23
	80/67	27,800	0.70	1.39	26,300	0.72	1.65	24,800	0.74	1.89	23,300	0.80	2.07	21,800	0.86	2.24
	75/63	26,400	0.73	1.38	24,400	0.76	1.66	22,800	0.79	1.87	21,500	0.84	2.06	20,300	0.88	2.25
	75/57	23,300	1.00	1.38	21,800	1.00	1.65	20,600	1.00	1.86	20,100	1.00	2.05	19,500	1.00	2.25
LRP14HP30	85/72	29,700	0.66	1.92	31,300	0.69	2.27	32,600	0.71	2.53	29,600	0.74	2.71	26,600	0.76	2.89
	80/67	33,500	0.71	1.89	32,700	0.74	2.18	30,100	0.76	2.48	27,900	0.80	2.69	25,600	0.84	2.90
	75/63	31,700	0.75	1.85	29,200	0.79	2.21	27,400	0.82	2.49	25,600	0.84	2.69	23,800	0.86	2.89
	75/57	29,900	1.00	1.87	27,500	1.00	2.24	25,800	1.00	2.52	24,500	1.00	2.71	23,300	1.00	2.89
LRP14HP36	85/72	44,500	0.70	2.25	40,600	0.74	2.60	37,400	0.78	2.91	35,000	0.80	3.19	32,600	0.84	3.49
	80/67	41,100	0.77	2.24	37,600	0.81	2.58	34,400	0.79	2.90	32,300	0.87	3.17	30,100	0.92	3.48
	75/63	38,500	0.79	2.22	35,100	0.83	2.57	32,200	0.87	2.87	30,200	0.90	3.15	28,100	0.93	3.46
	75/57	36,000	1.00	2.21	33,300	1.00	2.56	31,000	1.00	2.90	29,300	1.00	3.15	27,500	1.00	3.46
LRP14HP42	85/72	52,600	0.69	2.50	48,100	0.72	2.91	44,100	0.75	3.30	41,400	0.77	3.66	36,900	0.76	4.03
	80/67	48,200	0.75	2.51	44,200	0.79	2.91	40,500	0.78	3.27	37,800	0.84	3.67	35,000	0.90	4.04
	75/63	45,100	0.78	2.51	41,200	0.81	2.92	38,100	0.85	3.31	35,500	0.87	3.68	32,600	0.92	4.04
	75/57	42,000	1.00	2.52	38,800	1.00	2.92	36,100	1.00	3.32	34,200	1.00	3.68	31,700	1.00	4.05
LRP14HP48	85/72	59,300	0.69	2.76	54,400	0.72	3.29	50,200	0.75	3.72	46,800	0.78	4.05	43,300	0.82	4.42
	80/67	54,800	0.76	2.78	50,100	0.79	3.28	46,500	0.79	3.68	43,300	0.85	4.04	40,100	0.89	4.40
	75/63	51,200	0.78	2.78	46,800	0.81	3.27	43,400	0.84	3.69	40,400	0.87	4.02	37,600	0.91	4.38
	75/57	47,700	1.00	2.79	44,200	1.00	3.26	41,400	1.00	3.68	39,000	1.00	4.01	36,500	1.00	4.37
LRP14HP60	85/72	74,100	0.62	3.54	68,100	0.65	4.32	63,500	0.67	4.91	60,100	0.71	5.53	56,600	0.75	6.14
	80/67	69,200	0.69	3.51	63,000	0.71	4.24	57,400	0.73	4.85	55,000	0.78	5.48	52,400	0.82	6.10
	75/63	64,200	0.72	3.49	57,100	0.74	4.19	51,700	0.76	4.72	50,400	0.80	5.39	49,000	0.84	6.07
	75/57	57,500	1.00	3.44	51,700	1.00	4.21	47,300	1.00	4.80	46,900	1.00	5.42	46,500	1.00	6.04

## HEATING RATINGS

Model	Outdoor Temp - DB/WB °F									
	0/0		17/15		35/33		47/43		62/56	
	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW
LRP14HP24	7,000	1.55	12,300	1.60	17,900	1.68	22,000	1.71	27,800	1.75
LRP14HP30	9,900	1.92	15,900	2.00	22,200	2.10	27,300	2.16	33,000	2.23
LRP14HP36	19,000	2.10	23,800	2.40	28,900	2.72	32,300	2.93	36,600	3.20
LRP14HP42	13,600	2.88	23,500	3.03	33,900	3.19	40,900	3.29	49,600	3.42
LRP14HP48	15,300	3.18	26,300	3.35	37,900	3.56	45,700	3.66	55,400	3.82
LRP14HP60	20,100	3.89	33,700	4.10	48,100	4.51	57,000	4.78	67,400	4.88

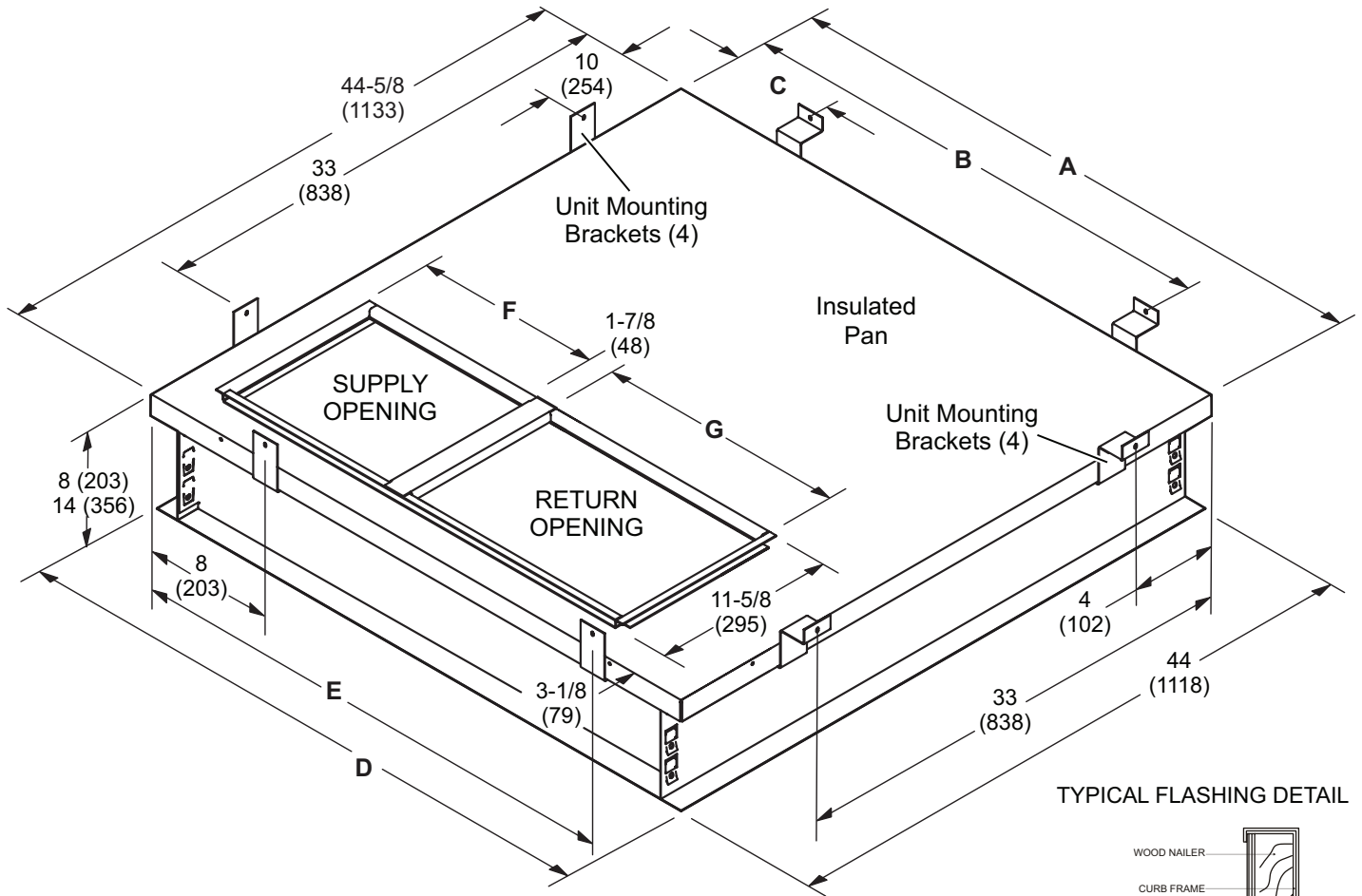
## DIMENSIONS - UNIT



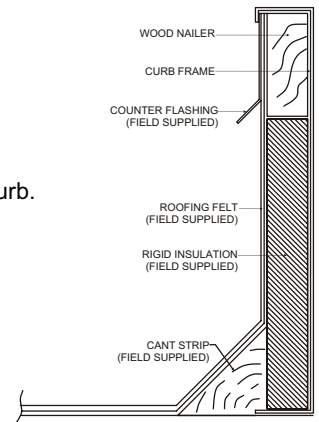
Model No.	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
LRP14HP24, 30, 36	36-7/8	937	46-3/4	1187	13-3/8	340	5-7/8	149	16-3/4	425
LRP14HP42, 48, 60	40-7/8	1038	55-1/4	1403	18-1/8	467	4-5/8	117	19-3/4	502
Model No.	F		G		H					
	in.	mm	in.	mm	in.	mm				
LRP14HP24, 30, 36	14	356	28-1/8	714	22-1/8	562				
LRP14HP42, 48, 60	19-1/2	495	32-1/8	816	26-1/8	664				

# DIMENSIONS - ACCESSORIES

## CLIP CURB



TYPICAL FLASHING DETAIL

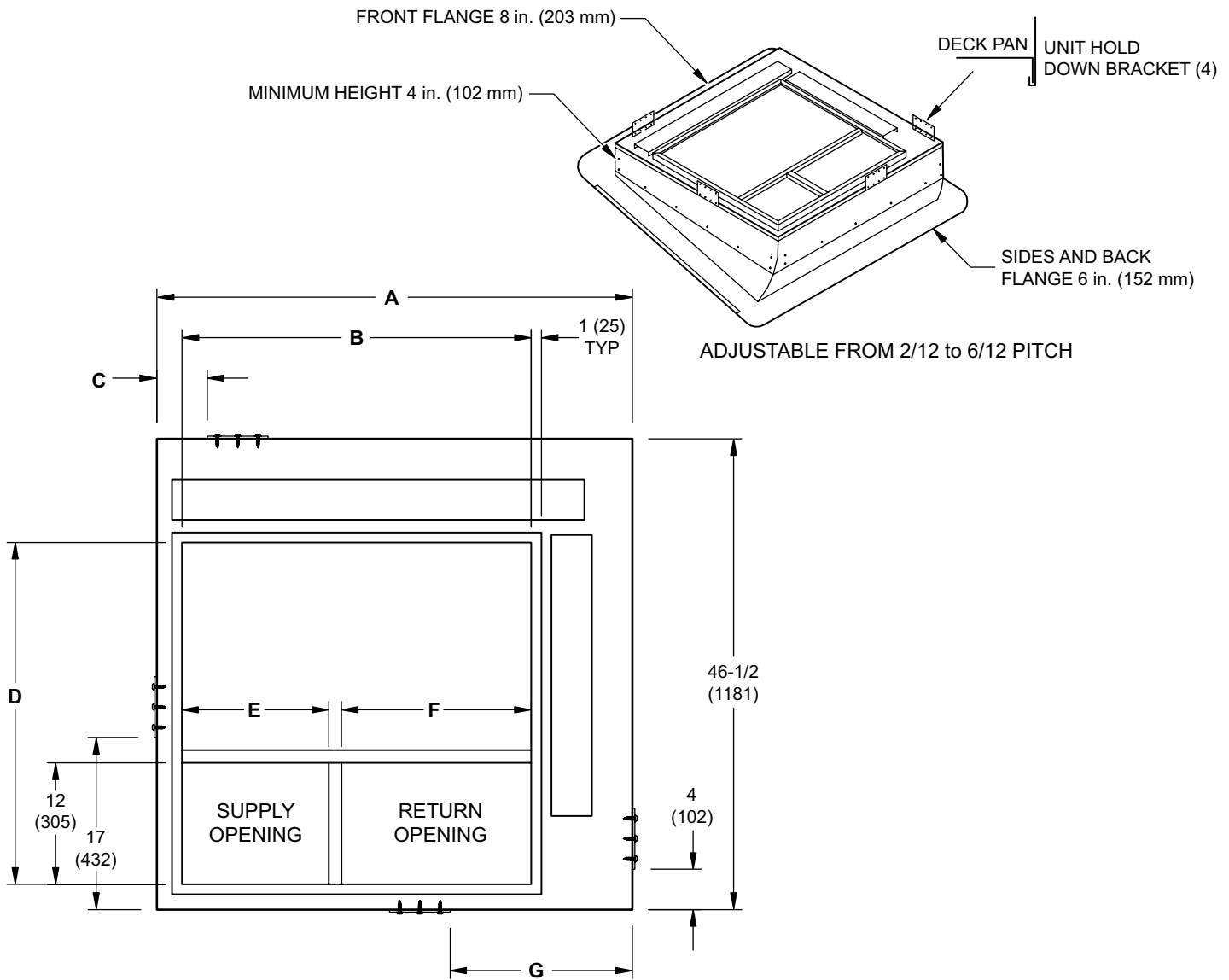


NOTE - Roof deck may be omitted within confines of curb.

Usage	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
24, 30, 36	44-5/8	1133	43	1092	18	457	44	1118	37	940
42, 48, 60	53-1/8	1349	51	1295	24	610	52-1/2	1334	41	1041
Usage	F		G							
	in.	mm	in.	mm						
24, 30, 36	14	356	16-3/4	425						
42, 48, 60	19-1/2	495	19-3/4	502						

## DIMENSIONS - ACCESSORIES

### ADJUSTABLE PITCH ROOF CURB



Usage	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
24, 30, 36	47	1194	34-1/2	876	5	127	33-3/4	857
42, 48, 60	55-1/4	1403	42-3/8	1076	10	254	33	838
Model No.	E		F		G			
	in.	mm	in.	mm	in.	mm		
24, 30, 36	14-1/2	368	18-3/4	476	18	457		
42, 48, 60	20	508	21-1/8	537	18-1/4	464		

### INSTALLATION CLEARANCES

	in.	mm
Front (heat exchanger access)	24	610
Right Side (blower access)	24	610
Left Side (evaporator coil access)	24	610
Back	0	0
Top	48	1219



## REVISIONS

Sections	Description of Change
Blower Data	Updated.
Document	All models changed to ECM blower motors.
Electrical Data	Updated.
Ratings	Updated.
Specifications	Updated.



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