

SUBMITTAL DATA SHEET

**SINGLE PACKAGE HEAT PUMP/ELECTRIC HEAT
16 SEER, 12 EER – R-410A – 2 TO 5 TONS
MODELS: PHE6*24 TO 60 – 1 PHASE**

JOB NAME:			LOCATION:		
PURCHASER:			ORDER NO.:		
ENGINEER:					
SUBMITTED TO:		FOR:	REF:	APPROVAL:	CONSTRUCTION:
SUBMITTED BY:			DATE:		
UNIT DESIGNATION:			SCHEDULE NO.:	MODEL NO.:	

PRODUCT DATA

Cooling Performance	
Total Capacity _____	MBH
Sensible Capacity _____	MBH
Outdoor Design Temp _____	°F DB/WB
Total Supply Air _____	CFM
Temp. of air Entering _____	
Indoor Coil _____	°F DB/WB
Power Input Req. (Less blower motor) _____	kW
Heating Performance	
Optional Electric Heat Input/Output Capacity _____	kW
Supply Air Blower Performance	
Total Supply Air _____	CFM
Total Resistance External to Unit _____	IWG
Blower Speed (Circle) _____	A B C D
Motor Rating _____	HP
Power Input Req. _____	Watts
Electrical Data	
Power Supply _____ / _____ / _____	
Total Unit Ampacity _____	Amps
Minimum Wire Size _____	AWG
Max. Overcurrent Device _____	
Fuse _____ Circuit Breaker _____	Amps
Overcurrent Device	
<input type="checkbox"/> Fuses <input type="checkbox"/> Circuit Breaker	
Unit Weight	
Total Unit Weight (Operational) _____	lb

FEATURES

- R-410A refrigerant.
- The 2 ton to 4 ton PHE6 heat pump models are rated at 16.0 SEER, 12.5 EER, and 8.0 HSPF per DOE procedures and are AHRI certified. The 5 ton PHE6 heat pump model is rated at 16.0 SEER, 12.0 EER, and 8 HSPF per DOE procedures and is AHRI certified.
- All models are two-stage cooling with optional electric heat backup.
- Two cabinet footprints for installation flexibility.
- Easily convertible from horizontal supply airflow to downflow supply airflow applications.
- Removable base rails with built-in rigging and shipping provisions.
- Outdoor coils are made with rifled copper tubing and enhanced aluminum fins for long-lasting durability and efficient performance.
- Indoor coils are made from tin-coated copper tubing and enhanced aluminum fins for performance and formicary corrosion protection.
- Indoor blowers are equipped with energy efficient enhanced ECM motors on all models.
- Field installed 6HK electric heat kits available from 2 kW to 25 kW in 208/230-1-60.
- Most electric heat kits are stageable above 10 kW. Single-phase single-point field wiring kits are available for all applications except 25 kW.
- The cabinet is made of G90 galvanized steel with a powder paint coating for appearance and protection with superior corrosion resistance (1,000 hour salt spray tested).
- Individual access panels covering all major components make servicing easy.
- The outdoor coil grille uses a stamped slotted design that provides superior impact protection against small objects during transit and after installation.
- Multiple options for demand defrost (four unique defrost curves provided) for optimized performance by capacity.
- Slide-out blower assembly and indoor coil for easy cleaning and service.
- Bottom or side electrical connections for easy installation.
- Complete line of field installed accessories includes roof curb and adapters, economizers, manual air dampers, duct transitions, and more.
- Long life, permanently lubricated outdoor and indoor fan motor bearings need no annual maintenance, adding greater reliability to the unit.

WARRANTY SUMMARY*

Extended 10-Years limited parts and compressor warranty

* Extended warranty requires online registration within 90 days of purchase for replacement or closing for new home purchase. See limited warranty certificate in User's Information Manual for details.

Unit Clearances

Direction	Distance (in.)	Direction	Distance (in.)
Top ¹	36	Right Side	36
Side Opposite Ducts	36	Left Side	24
Duct Panel	0	Bottom ^{2,3}	1

1. There must be a minimum clearance of 1 in. on all sides of the supply air duct for the first 3 ft of the duct for 20 kW and 25 kW heaters (0 in. thereafter). For all other heaters, there must be a 0 in. clearance on all sides for the entire length of the supply air duct.

2. Units must be installed outdoors. Overhanging structures or shrubs must not obstruct the outdoor air discharge outlet.

3. Units can be installed on combustible materials made from wood or class A, B, or C roof covering materials if factory base rails are left in place as shipped.

Note: For units with a roof curb, the minimum clearance between combustible roof curb material and the supply air duct can be reduced from 1 in. to 1/2 in.



ENERGY STAR

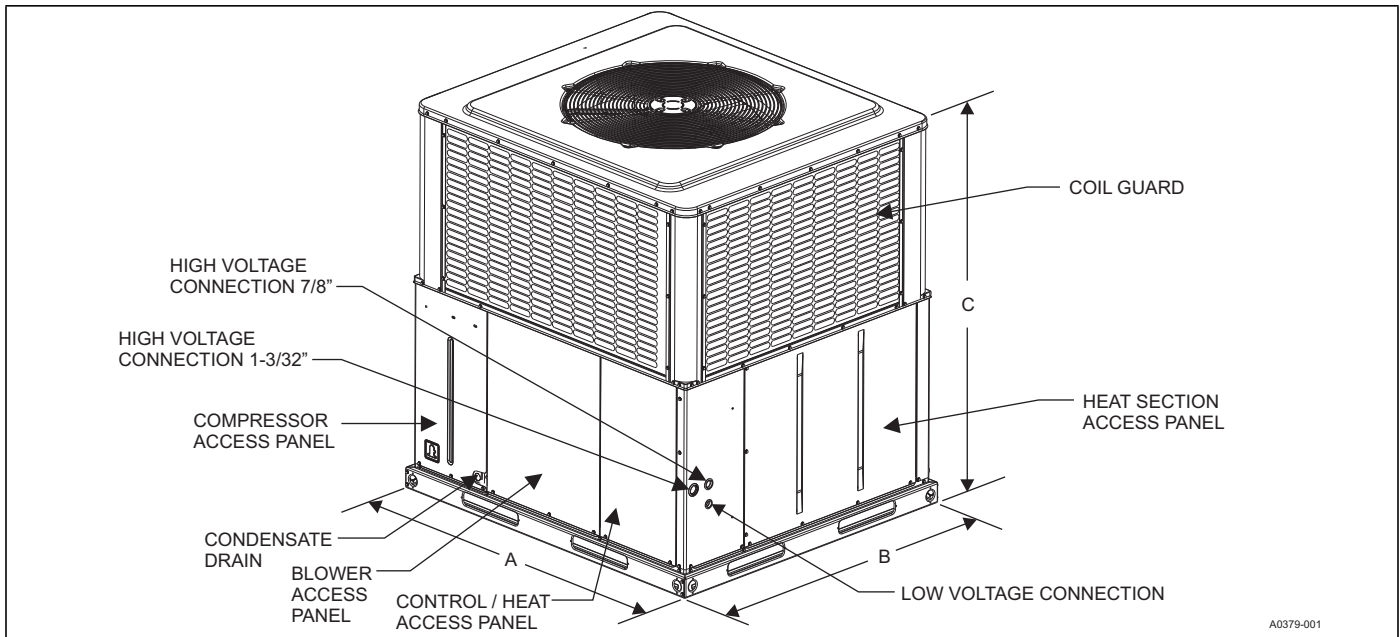


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ISO 9001
Certified Quality Management System

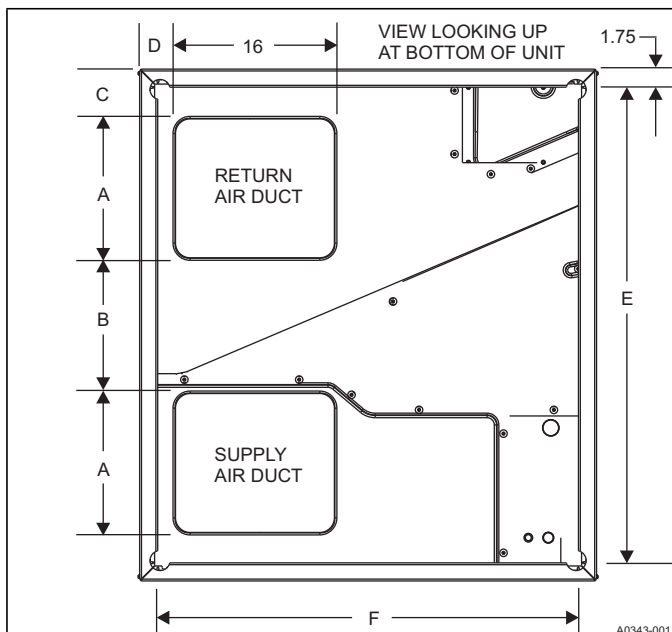


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UNIT DIMENSIONS AND ACCESS LOCATIONS

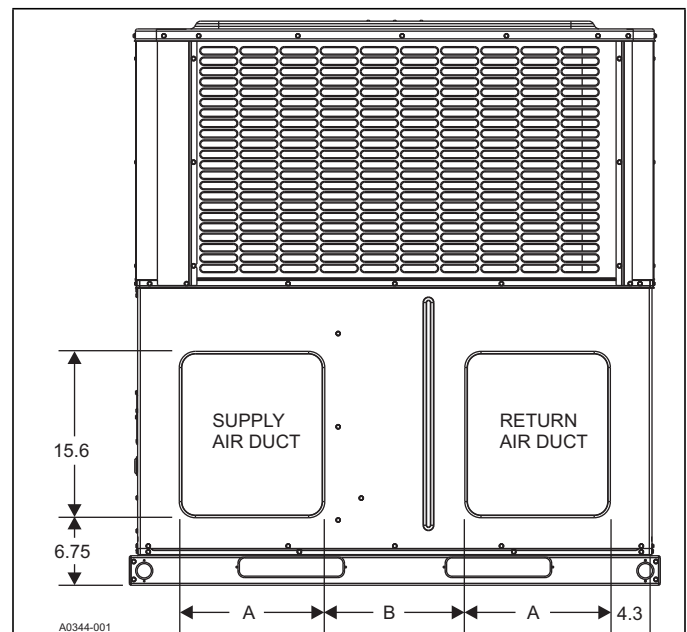
Model	Dimensions (in.)		
	A	B	C
PHE6A2421	51-1/4	35-3/4	47
PHE6A3021	51-1/4	35-3/4	47
PHE6B3621	51-1/4	45-3/4	49
PHE6B4221	51-1/4	45-3/4	49
PHE6B4821	51-1/4	45-3/4	53
PHE6B6021	51-1/4	45-3/4	55

BOTTOM DUCT DIMENSIONS (in.)



Model	A	B	C	D	E	F
24, 30	10	21.5	5	4.5	47.5	32
36, 42, 48, 60	14	13.5	5	3.5	47.5	42

REAR DUCT DIMENSIONS (in.)



Model	A	B
24, 30	9.6	22
36, 42, 48, 60	13.6	14

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