

---

## TECHNICAL SPECIFICATIONS

---

# P3BD Series

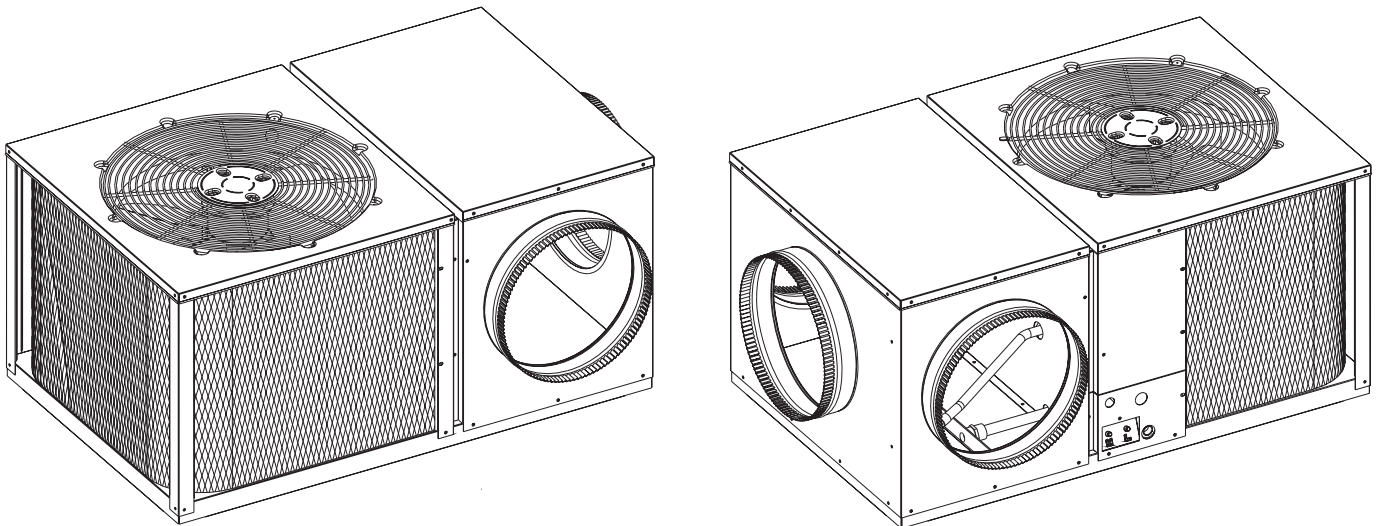
## Single Packaged Air Conditioner, Single Phase

**P3BD-13 SEER**

**2 thru 4 Ton Units**

**Cooling: 24,000 to 45,000 Btuh**

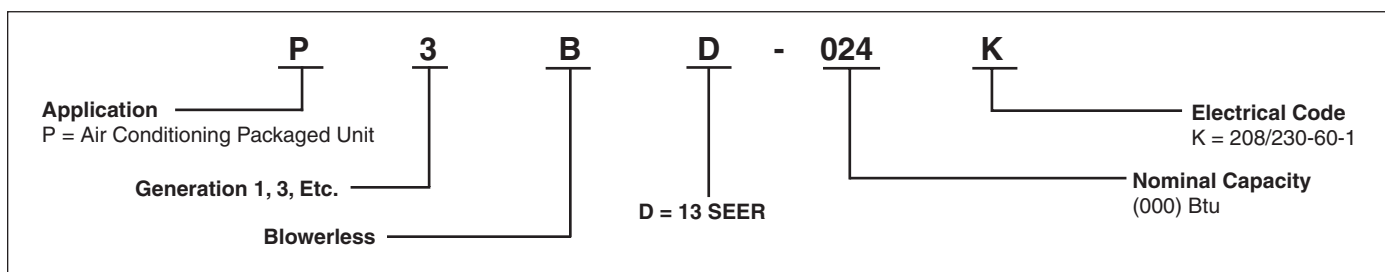
The P3BD Series single packaged air conditioners are high efficiency self contained cooling units that use the existing furnace to provide airflow and can be installed on a slab. P3BD series equipment can only be used with the following NORDYNE furnaces: E3EX\*, M3RX\*. Units are ETL and ETLc listed.



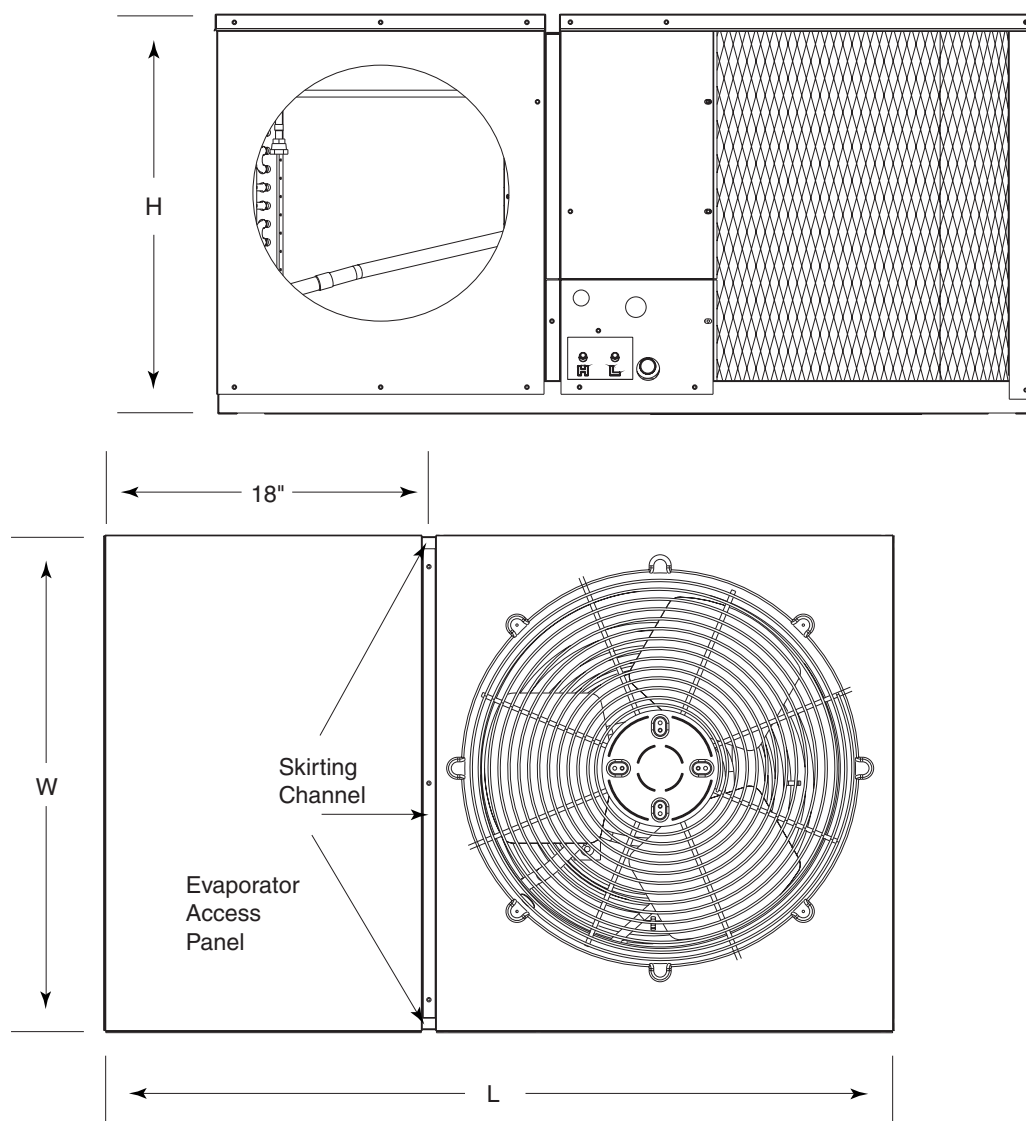
## FEATURES AND BENEFITS

- **State-of-the-art compressor** is standard equipment.
- **Designed using galvanized steel** with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Both indoor and outdoor coils** are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **A heavy duty PSC motor** for long lasting reliability and operation.
- Requires no maintenance and is completely protected from rain and snow.
- **The service valves are easily accessible** and simplify servicing of the refrigeration system.
- **A mesh hail guard that will never rust** protects the coil from being damaged by balls, lawnmowers, hail, etc.
- **Designed to make servicing easier** for the contractor, access panels are provided to all major components and the compressor.
- **Zero clearance** to combustibles on duct side of the unit allows for installations in tight areas.
- **Easy access** to evaporator for cleaning and general maintenance.
- **Plastic drain pan** will never rust and condensate is outside of home.
- **Compact footprint and profile** make the P3BD Series easy to install and transport.
- **Parts warranty** has proven to be a major benefit to the consumer.

## MODEL IDENTIFICATION CODE

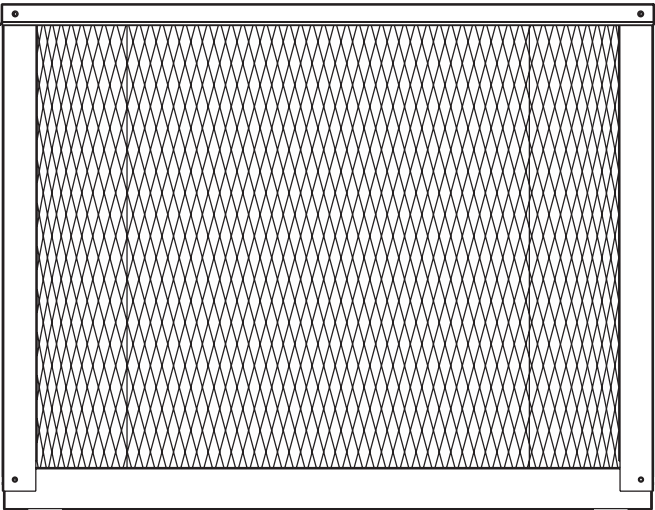


## DIMENSIONS

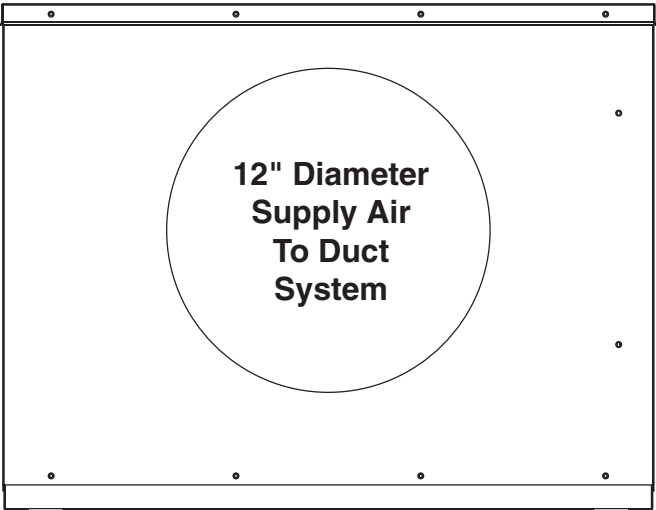


<b>Model No. P3BD- 13 Seer</b>	<b>(L) Length</b>	<b>(W) Width</b>	<b>(H) Height</b>
024K	45	34	26
030K	45	34	26
036K	45	34	26
042K	45	34	26
048K	45	34	26

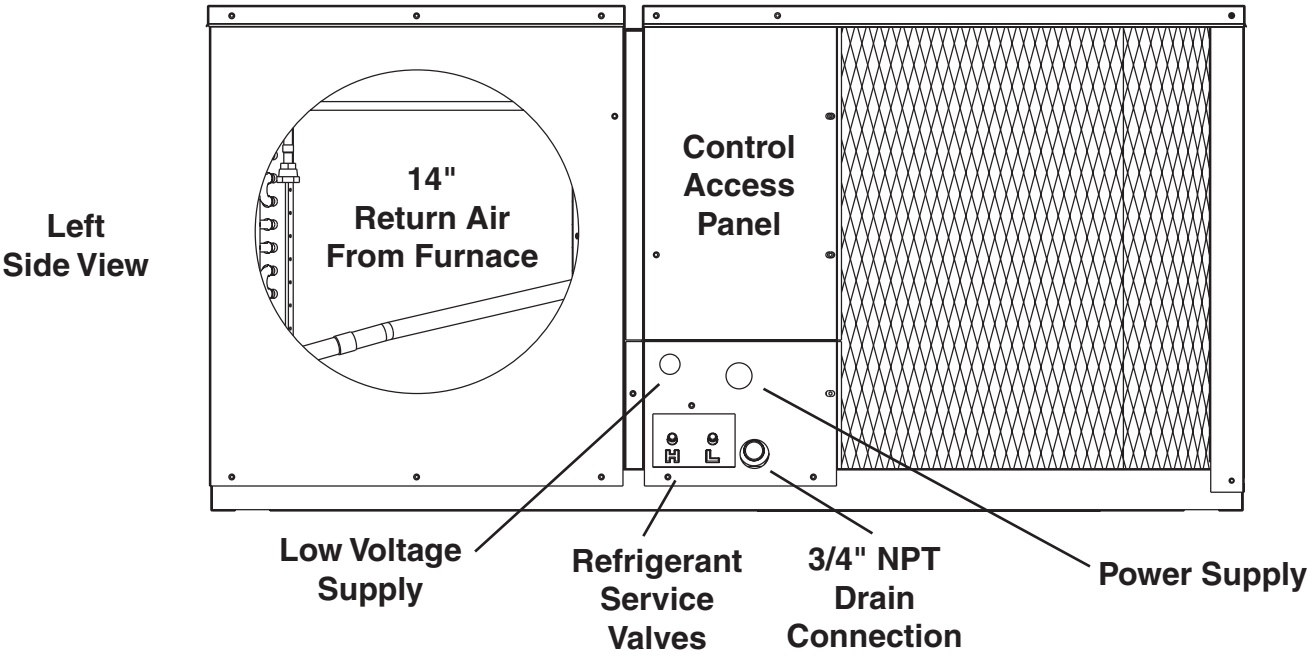
**DIMENSIONS Continued**



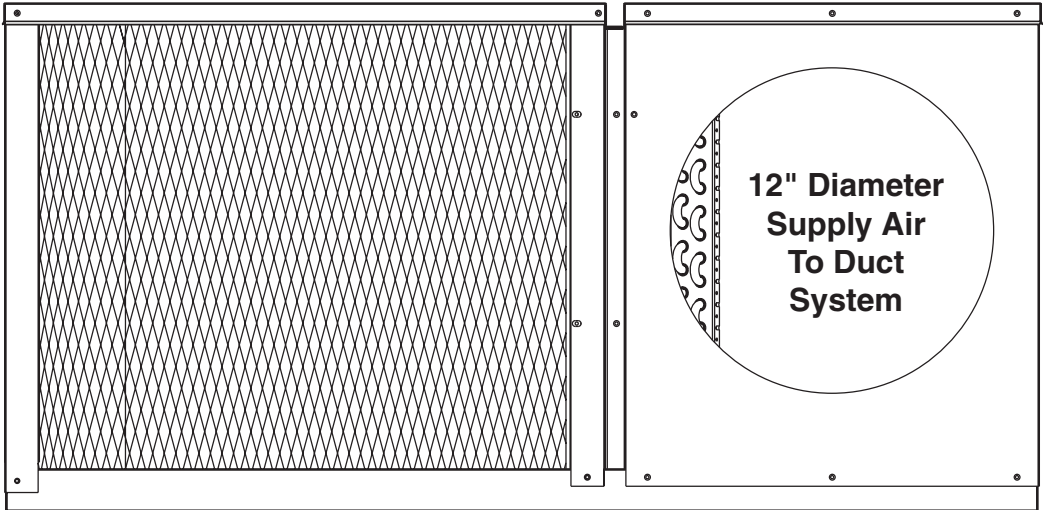
**Front View**



**Back View**



**Left  
Side View**



**Right Side View**

# PHYSICAL SPECIFICATIONS

## P3BD Models - 13 SEER Air Conditioners

Model No. P3BD-	024K	030K	036K	042K	048K
<b>Electric Rating — 60 Hz (a)</b>					
Operating Voltage Range	187 - 253	187 - 253	187 - 253	187 - 253	187 - 253
Min. Circuit Ampacity (a)	14.7	15.2	21.6	24.2	26.2
Field Wire Size — AWG (a,c)	12	12	10	10	10
Delay Fuse — Max. (b,c)	25	25	35	40	45
Total Unit — AMPS	12.0	12.4	17.6	19.6	21.2
<b>Compressor</b>	CR20K6-PFV-220	CR21K7-PFV-230	ZR32K3-PFV-230	ZR36K3-PFV-230	ZR40K3-PFV-230
Volts	208 - 230	208 - 230	208 - 230	208 - 230	208 - 230
Rated Load Amps	10.9	11.3	16.4	18.4	20.0
Lock Rotor Amps	56.0	51.0	83.0	95.0	104.0
<b>Fan Motor and Condenser</b>					
Fan Motor — HP - RPM	1/8 - 1075	1/8 - 1075	1/4 - 1100	1/4 - 1100	1/4 - 1100
Fan Motor — Amps	1.1	1.1	1.2	1.2	1.2
Fan Dia. — CFM	20" - 2800	20" - 2800	20" - 3000	20" - 3000	20" - 3000
<b>CFM @ E.S.P. — in. W.C.</b>	800 @ .12	1000 @ .17	1150 @ .25	1300 @ .30	1400 @ .30
<b>Refrigerant — Oz.</b>	70	76	76	116	132
<b>Shipping Weight -- Lbs.</b>	199	211	211	240	240

(a) Refer to National Electric Code for additional derating factors for field installed conductors.

(b) Use time delay fuse or "HACR" type circuit breaker.

(c) Approved for use with 40 Amp overcurrent protection when supply wiring is #8 copper, 60°C min.

## ACCESSORIES

Description	Part Number
Plenum Connector, 14" Round (3)	903896
Base Pad, (25" X 25") (13)	903897
Receptacle/Cover Kit, 40A/250V, P/Q3B (12)	903898
Power Cord, P/Q3B (10)	903899
Power Cord, P/Q3B (1)	903973
Single Outlet Kit (6)	903966
Foundation Kit, 90° Duct Connectors	903967
Condensate Drain Kit (12)	903970
Fresh Air Wall Vent	903971
Fresh Air Wall Vent (Ducted)	903974
12"x12"x12"	911470
"Y" Connector with 2 clamps	
14"x12"x12"	917963
"Y" Connector with 2 clamps	
Flex Duct, 12" Round x 25 Ft.	520064
Flex Duct, 12" Round x 18 Ft.	520065
Flex Duct, 14" Round x 25 Ft.	520066
Flex Duct, 14" Round x 18 Ft.	520067
Clamps, 10" - 14" diameter	668659

## SYSTEM HEATING AND COOLING CAPACITIES

P3BD Series Air Conditioners		
Model Number	Cooling Nom. btuh	SEER
P3BD-024K	24000	13
P3BD-030K	28400	13
P3BD-036K	36000	13
P3BD-042K	42000	13
P3BD-048K	46000	13



CERTIFICATION APPLIES  
ONLY WHEN THE COMPLETE  
SYSTEM IS LISTED  
WITH ARI