

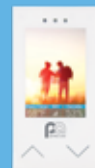


# PRE-CHARGED DFS

(DUCT FREE SYSTEM)

## WI-FI COMPATIBLE

16 – 17.5 SEER



**SECURE MECHANICAL CONNECTION  
AND EASY INSTALLATION  
FOR PEACE OF MIND**

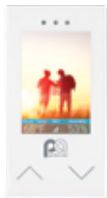


# PRE-CHARGED DFS (DUCT FREE SYSTEM)

## 16 – 17.5 SEER

Zoned heating and cooling is easier than you think with a Perfect Aire Quick Connect Single-Zone Mini-Split. Systems range from 12,000 BTU (1 ton) up to 36,000 BTU (3 ton) for use as a primary cooling source or as supplemental cooling and heating solution to more challenging applications. With no costly ducts to install, maintain or get in the way of your comfort, an energy efficient Quick Connect Mini-Split system gets up and running easily to deliver cooling or heating right where you need it.

MODEL	2PAMSHQC12	2PAMSHQC18	2PAMSHQC24	2PAMSHQC36
INDOOR	2PAMSHQCW12	2PAMSHQCW18	2PAMSHQCW24	2PAMSHQCW36
OUTDOOR	2PAMSHQC012	2PAMSHQC018	2PAMSHQC024	2PAMSHQC036
<b>POWER SUPPLY (Ph-V-Hz)</b>	115V~ 60Hz ,1Ph	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph	208-230V~60Hz ,1Ph
<b>COOLING CAPACITY (Btu/h)</b>	12,000	18,000	24,000	34,500
<b>HEATING CAPACITY (Btu/h)</b>	12,000	18,000	25,000	36,000
<b>HSPF4 (Btu/w)</b>	8.8	9.5	9	9
<b>HSPF5 (Btu/w)</b>	7.3	7.8	7.9	7.9
<b>SEER/EER (Btu/w)</b>	17.5 /10	16 /9	16 /9	16 /8.2
<b>RATED CURRENT (A)</b>	10.2	8.2	11.4	17.2
<b>MINIMUM CIRCUIT AMPACITY (A)</b>	15	15	15	25
<b>MAX. FUSE (A)</b>	20	20	25	35
<b>COMPRESSOR RATED CURRENT(RLA) (A)</b>	9	10.5	12	17
<b>INDOOR AIR FLOW (HI/MI/LO) CFM</b>	276/206/147	412/265/224	588/459/335	824/588/412
<b>INDOOR NOISE LEVEL (HI/MI/LO) dB(A)</b>	38/35/25	44/38/27	48/42/32	52/45/35
<b>INDOOR UNIT</b>				
<b>DIMENSION (WxDxH) (in.)</b>	31.57 x 7.44 x 11.69	37.99 x 8.46 x 12.56	42.52 x 8.90 x 13.19	49.57 x 11.10 x 14.25
<b>OUTDOOR UNIT</b>				
<b>DIMENSION (WxDxH) (in.)</b>	30.31 x 11.81 x 21.85	31.50 x 13.11 x 21.81	33.27 x 14.29 x 27.64	37.24 x 16.14 x 31.89
<b>NET/GROSS WEIGHT (kg)</b>	31.5/38.9	39.8/42.5	52.2/55.4	66/71.7
<b>NET/GROSS WEIGHT (lbs.)</b>	69.4/85.8	87.7/93.7	115.1/122.1	145.5/158.1
<b>REFRIGERANT</b>				
<b>REFRIGERANT TYPE (oz.)</b>	R410A/31.7	R410A/43.4	R410A/67.0	R410A/111.1
<b>REFRIGERANT PRECHARGE (ft.)</b>	25	25	25	25
<b>ADDITIONAL CHARGE FOR EACH ft (oz.)</b>	0.161	0.161	0.322	0.322
<b>DESIGN PRESSURE (PSIG)</b>	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG
<b>REFRIGERANT PIPING</b>				
<b>MAX. REFRIGERANT PIPE LENGTH (ft.)</b>	25	25	25	25
<b>MAX. DIFFERENCE IN LEVEL (ft.)</b>	25	25	25	25
<b>CONNECTION WIRING</b>	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded
<b>APPLICATION AREA (COOLING STANDARD) (sq. ft.)</b>	500	750	1000	1500



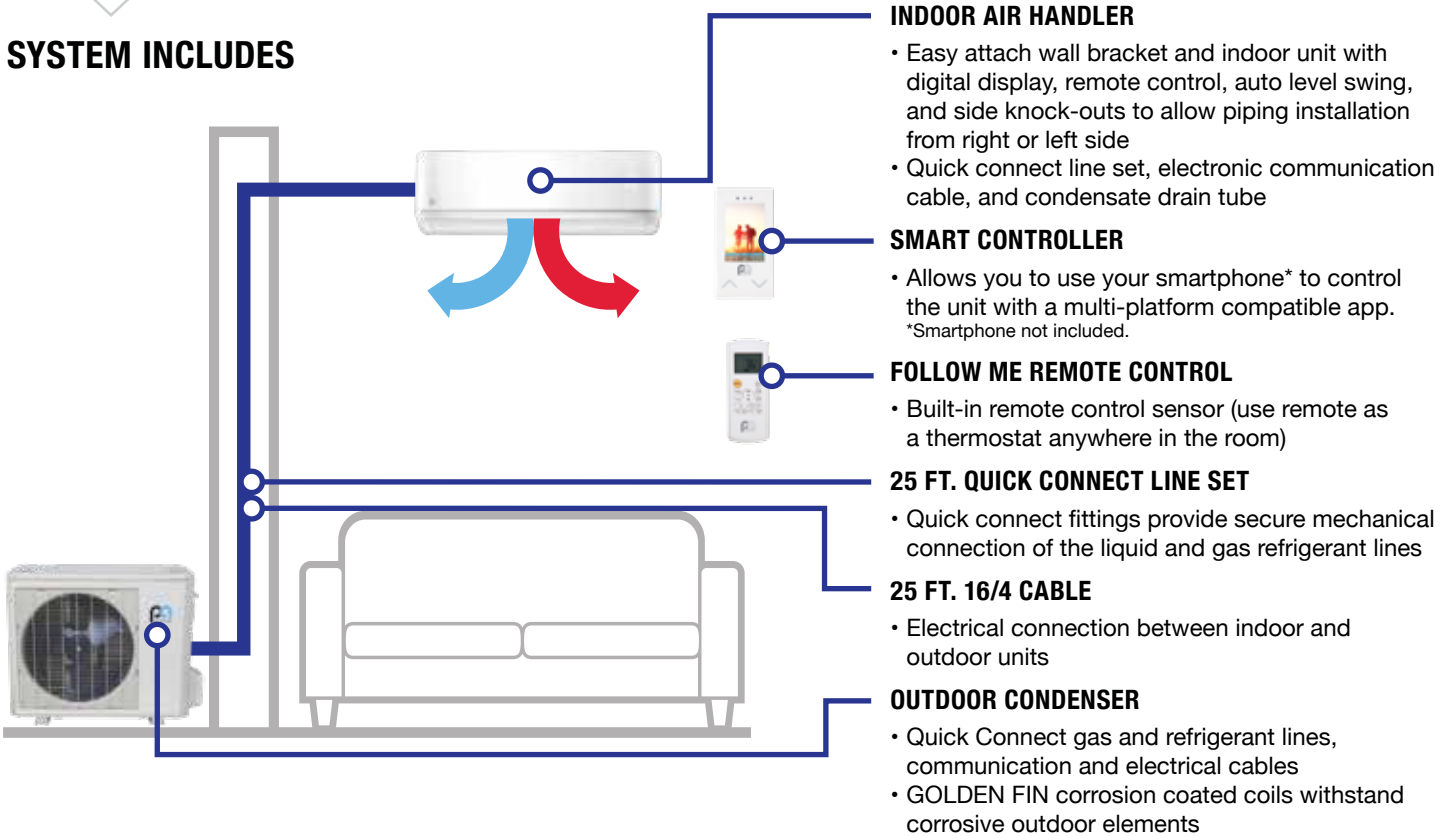
### SMART CONTROLLER

Multi-platform App makes your smartphone\* your controller.

#### FEATURES

- Wi-Fi Connectivity • Luminosity Sensor • Personalized Display
- Temperature humidity Sensor • Scheduling • Energy Saving • Usage Statistics

## SYSTEM INCLUDES



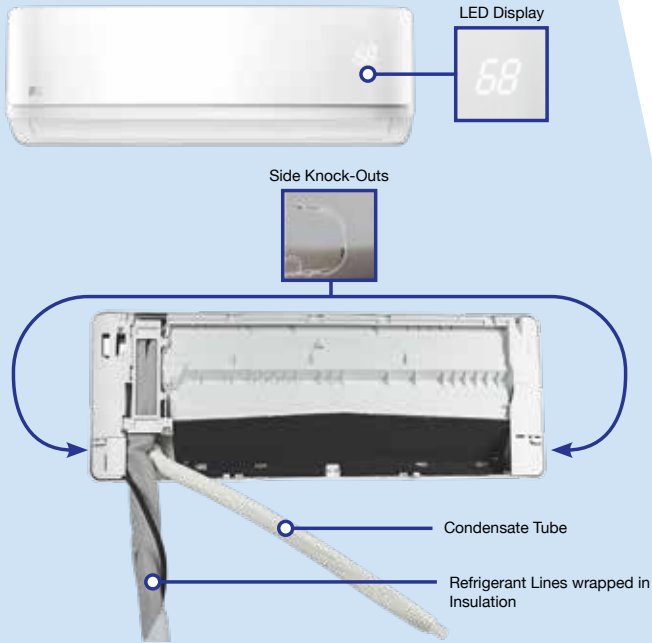
## CLOSE PROXIMITY SYSTEM

DESIGNED FOR APPLICATIONS WHERE INDOOR AND OUTDOOR UNITS ARE WITHIN 25 FEET OF EACH OTHER

- Sun rooms
- Home additions
- 4 season rooms
- Bedrooms
- Garages
- Computer server rooms
- Greenhouses



## INDOOR AIR HANDLER



## OUTDOOR CONDENSER



### RELIABILITY



#### REFRIGERANT LEAK DETECTION

Displays EC error code on indoor unit if outdoor unit detects a refrigerant leak condition



#### COMPRESSOR HEATING BELT

Built-in PTC device provides more powerful heating operation even in extreme cold



#### SELF-DIAGNOSTIC FUNCTION

System switches off automatically if abnormal operations or part failures are detected and indoor unit displays error / protection code



#### EVAPORATOR AUTO DEFROSTING

Prolongs product life & improves energy savings



#### GOLDEN FIN

Anticorrosive coating on indoor and outdoor units withstands salty air, rain and other corrosive elements while improving heating efficiency by accelerating defrosting process

### ENERGY SAVING



#### TIMER & SLEEP MODE

Provides energy savings & comfort



### COMFORT



#### LOW NOISE AIRFLOW SYSTEM

Reduces indoor unit noise by lowering fan speed without decreasing airflow volume and large diameter cross-flow



#### HORIZONTAL AUTO SWING

Wide swing-angle louver guides cool or warm air to every corner of the room



#### HEAT PUMP

- Provides year round comfort allowing unit to reverse refrigerant process in cold weather, by extracting outside heat and transferring inside
- Excellent for house additions without forced air heating systems or where ductwork is not possible

### CONVENIENCE



#### AUTO RESTART

Allows system to return to most recently used setting once power returns if power has been interrupted



#### FOLLOW ME OPTION

Remote control with built-in room temperature sensor regulates room temperature around remote—allowing remote to become the thermostat



#### WI-FI COMPATIBLE

Download the app, connect the Smart Controller, and turn your Smartphone into a control that you can customize to your personal preferences

PA/QCBrochure/02262018

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