



Turn to the experts

COMMERCIAL WATER SOURCE & GEOTHERMAL HEAT PUMP PRODUCT LINE CARD

1/2 TO 6 TONS PACKAGED VERTICAL AND HORIZONTAL UNITS

- Efficiencies up to 37 EER and 6.5 COP
- Ultra quiet operation

- Extensive list of factory installed options
- ECM blower motors available in all models

PACKAGED UNITS



50PC
High Efficiency WSHP



50PS
Premium Efficiency WSHP



50PT
Premium Efficiency, Two-Stage WSHP

3/4 TO 1 1/2 TONS CONSOLE UNITS

- Efficiencies up to 22.3 EER and 4.6 COP
- Requires minimal use of conditioned floor space

CONSOLE UNITS



50PEC
High Efficiency, Console WSHP

2 TO 35 TONS WATER- TO- WATER UNITS

- Efficiencies up to 25.7 EER and 4.7 COP
- Wide array of capacities for hydronic applications

WATER- TO- WATER UNITS



50PSW
High Efficiency, Water-to-Water Unit

6 TO 30 TONS PACKAGED HORIZONTAL AND VERTICAL UNITS

- Efficiencies up to 24 EER and 5.6 COP
- Extensive list of factory installed options

LARGE TONNAGE UNITS



50HQP/VQP
High Efficiency, Large Tonnage WSHP

Horizontal: 6, 8, 10, 12.5, 15, 20
Vertical: 6, 8, 10, 12.5, 15, 17.5, 20, 25, 30

Applications

50PC
High Efficiency WSHP

50PS
Premium Efficiency WSHP

50PT
Premium Efficiency, Two-Stage WSHP

50PEC
High Efficiency, Console WSHP

50PSW
High Efficiency, Water-to-Water Unit

50HQP/VQP
High Efficiency, Large Tonnage WSHP

Sizes (tons)

.5, .75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6

.5, .75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6

2, 3, 4, 5, 6

.75, 1, 1.25, 1.5

2, 3, 4, 5, 6, 10, 15, 17.5, 20, 30, 35

Horizontal: 6, 8, 10, 12.5, 15, 20
Vertical: 6, 8, 10, 12.5, 15, 17.5, 20, 25, 30

AHRI Ratings (13256-1) Ground Loop (GLHP)

3.2 – 3.75 COP
14.1 – 17.65 EER

3.6 – 4.3 COP
17.5 – 21.1 EER

3.8 – 4.4 COP
16.9 – 29.2 EER

3.2 – 3.2 COP
14.2 – 15.5 EER

2.8 – 3.2 COP
14.5 – 22.1 EER

3.2 – 4.2 COP
14.0 – 17.9 EER

Water Loop (WLHP)

4.3 – 5.1 COP
12.2 – 14.9 EER

5.1 – 6.0 COP
14.9 – 18.2 EER

5.1 – 6.5 COP
14.8 – 20.8 EER

4.3 – 4.5 COP
12.2 – 13.4 EER

4.1 – 4.7 COP
12.3 – 14.7 EER

4.2 – 5.6 COP
13.0 – 16.0 EER

Refrigerant

Puron® Refrigerant (R-410A)

Compressor

Rotary (.5 to 1.25 tons)
Reciprocating (1.5 to 3.5 tons)
Scroll (4 to 6 tons)

Rotary (.5 to 1.5 tons)
Scroll (2 to 6 tons)

Scroll

Rotary

Scroll

Reciprocating (6 to 8 tons)
Scroll (10 to 30 tons)

Blower Motor

Permanent Split Capacitor (PSC)
Constant Torque ECM

Permanent Split Capacitor (PSC)
Constant Torque ECM
Constant Airflow ECM

Constant Torque ECM
Constant Airflow ECM

Permanent Split Capacitor (PSC)

Not Applicable

Belt Drive

Cabinet Configurations

Horizontal
Vertical

Horizontal
Vertical

Horizontal
Vertical
Downflow

Console

Water-to-Water

Horizontal
Vertical

Stages

Single-Stage Compression

Single-Stage Compression

Two-Stage Compression

Single-Stage Compression

Single- & Two-Stage Compression

Two-Stage Compression

Controls

Microprocessor for Thermostat Input
WSHP OPEN Direct Digital Controls

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Coil and Reheat Options

Al Fin/Copper Tube Air Coil
Coated Air Coil
Hot Gas Reheat
Waterside Economizer
CuNi Water Coil

Al Fin/Copper Tube Air Coil
Coated Air Coil
Hot Gas Reheat
Waterside Economizer
CuNi Water Coil

Al Fin/Copper Tube Air Coil
Coated Air Coil
Hot Gas Reheat
CuNi Water Coil

Al Fin/Copper Tube Air Coil
Coated Air Coil
CuNi Water Coil

CuNi Water Coil

Al Fin/Copper Tube Air Coil
Coated Air Coil
Hot Gas Reheat
CuNi Water Coil

Air Filter

Optional 2" MERV 8 or MERV 13

Optional 2" MERV 8 or MERV 13

Optional 2" MERV 8 or MERV 13

1/2" Filter

Not Applicable

Not Applicable

Cabinet Insulation

Matted Fiberglass Insulation
Closed Cell Foam optional

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Closed Cell Foam optional

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Closed Cell Foam optional

Matted Fiberglass Insulation

Matted Fiberglass Insulation

Matted Fiberglass Insulation
Closed Cell Foam optional

Other Options

Hot Gas Bypass
Mute Package
Factory Mounted Isolation Valve
Factory Mounted Disconnect

Hot Gas Bypass
Mute Package
Electric Heater Factory Installed
Factory Mounted Isolation Valve
Hot Water Generator
Factory Mounted Disconnect

Mute Package
Electric Heater Factory Installed
Factory Mounted Isolation Valve
Internal Water Pump
Factory Mounted Disconnect

Extended Cabinet
Unit Mounted Controller
Outdoor Air Damper
Factory Mounted Disconnect

Heat Recovery Package
Mute Package

Waterside Economizer
Hot Gas Bypass
Mute Package