

# PRODUCT DATA SHEET

Model: PZW8S

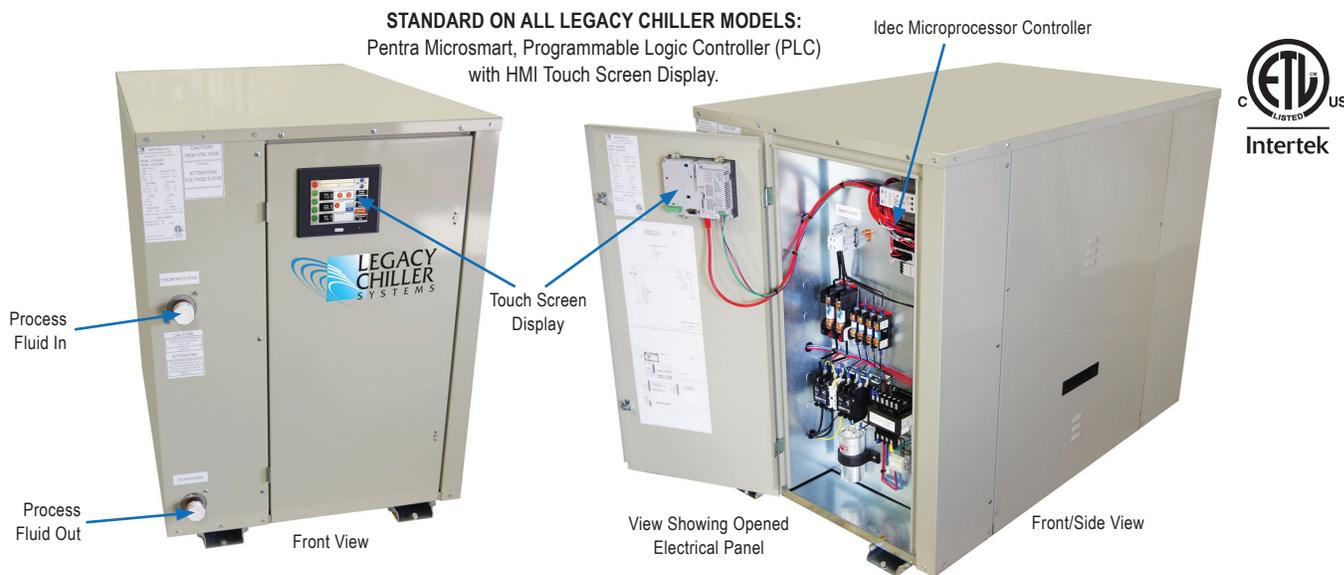
Packaged Water-Cooled  
8 Ton Chiller



Legacy Chillers, Inc.

851 Tech Drive  
Telford, PA 18969

Toll-Free: (877) 988-5464



## Standard Features:

- ETL listed to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011
- Single Point Power Connection
- Pentra Microsmart, Programmable Logic Controller (PLC) with easy to use HMI touch screen display
- STAINLESS STEEL, brazed plate evaporator
- Scroll compressor with crankcase heater
- Suction Accumulator
- Water flow switch
- Hot Gas Bypass Capacity Control
- 24V control transformer
- Control circuit fusing
- Condenser(s): Coaxial up to PZW22D
- Condenser(s): Shell and Tube PZW26D through PZW52D
- Compressor motor contactor
- Painted - Powder Coated (up to PZW22D), galvanized sheet metal cabinet
- 1/2" insulation on all water and refrigerant lines
- Liquid line drier, sight glass, solenoid, TXV
- Complete refrigerant charge from factory
- Factory Performance Test prior to shipment

## Options:

- Copeland Digital Scroll Compressor
- Remote Idec touchscreen control panel
- Industrial VPN Router
- 5 Port Ethernet Switch
- BacNet Gateway
- Process Pump VFD Controller
- VFD Compressor Control
- 4 year extended compressor warranty
- Casters (factory mounted)
- Condenser water regulating valve
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase Monitor, line voltage monitor offering protection against phase loss/reversal, unbalance and hi/lo voltage
- Compressor fusing
- Compressor Sound Cover
- Factory installed evaporator heat tape freeze protection
- Low flow by-pass valve
- Fused, STAINLESS STEEL process pump
- Dual system pump with manual changeover (some models)
- Dual system pump with auto changeover (some models)
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- Auto city water changeover panel with filter
- Stainless steel, SCH80 PVC or Polypropylene piping for deionized and reverse osmosis water systems
- Door Mounted HMI with weather proof cover

Easy to Use  
Touch Screen Display  
on all Legacy Chiller  
Models



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## Dimensional & Electrical Table (Single Circuit)

| Chiller Models | Length Inches | Width Inches | Height Inches | Power    |       |       | Compressor |    | RLA ea. | LRA ea. | MCA | M.O.P | Chiller Fluid Conn. | Weight Pounds |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|-----|-------|---------------------|---------------|
|                |               |              |               | Voltage  | Phase | Freq. | Qty.       | HP |         |         |     |       |                     |               |
| PZW8SF5        | 46            | 34           | 36            | 208/230V | 3     | 60Hz  | 1          | 9  | 30.1    | 225     | 40  | 60    | 1.25" FPT           | 585           |
| PZW8SH5        |               |              |               | 460V     | 3     | 60Hz  |            |    | 15.5    | 114     | 20  | 30    |                     |               |
| PZW8SI5        |               |              |               | 575V     | 3     | 60Hz  |            |    | 12.1    | 80      | 20  | 25    |                     |               |

## Capacity Table (Refrigerant R407C)

| Model | Compressor | LWT °F | 105°F Condensing |      |      |
|-------|------------|--------|------------------|------|------|
|       |            |        | TONS             | KW   | EER  |
| 8S    | ZB66KCE    | 42.0   | 7.66             | 6.70 | 14.2 |
|       |            | 44.0   | 7.99             | 6.72 | 14.7 |
|       |            | 45.0   | 8.17             | 6.73 | 15.0 |
|       |            | 50.0   | 9.08             | 6.78 | 16.6 |

- Capacities on this chart are based on refrigerant R407C. Lower leaving water or low ambient can require the use of a glycol solution or other fluid blends. These solutions affect unit capacities. Please consult the factory on these or other special fluids.
- KW input is for compressor(s) only.
- EER = Energy Efficiency Ratio (BTU/watt-hour). Power inputs include compressor (s), condenser fan motor (s) and control power.



## Product Dimensional Drawing

