

# PRODUCT DATA SHEET

Model: **PZW22D**

*Packaged Water-Cooled  
22 Ton Chiller*

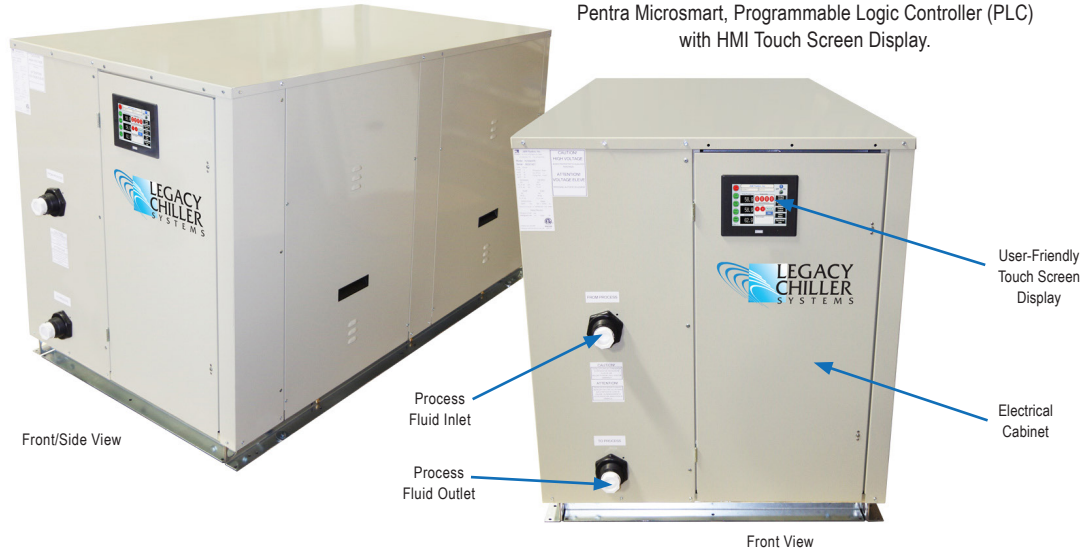


**Legacy Chiller Systems**

851 Tech Drive  
Telford, PA 18969

**Toll-Free: (877) 988-5464**

**STANDARD ON ALL LEGACY CHILLER MODELS:**  
Pentra Microsmart, Programmable Logic Controller (PLC)  
with HMI Touch Screen Display.



## 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**
- **Extended warranty:** See your quote or latest IOM booklet revision

*Easy to Use  
Touch Screen Display  
on all Legacy Chiller  
Models*



## 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
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- Auto city water changeover panel with filter
- Door Mounted HMI with weather proof cover

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## Dimensional & Electrical Table (Dual 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 |         |         |     |       |                     |               |
| PZW22DF5       | 75            | 34           | 37            | 208/230V | 3     | 60Hz  | 2          | 12 | 49.4    | 300     | 125 | 150   | 1.5" FPT            | 1000          |
| PZW22DH5       |               |              |               | 460V     | 3     | 60Hz  |            |    | 23.1    | 150     | 60  | 70    |                     |               |
| PZW22DI5       |               |              |               | 575V     | 3     | 60Hz  |            |    | 19.2    | 109     | 45  | 60    |                     |               |

## Capacity Table (Refrigerant R407C)

| Model | Compressor | LWT °F | 105°F Condensing |      |      |
|-------|------------|--------|------------------|------|------|
|       |            |        | TONS             | KW   | EER  |
| 22D   | ZB95KCE    | 42.0   | 21.8             | 20.2 | 13.3 |
|       |            | 44.0   | 22.8             | 20.3 | 13.8 |
|       |            | 45.0   | 23.3             | 20.3 | 14.1 |
|       |            | 50.0   | 25.9             | 20.6 | 15.5 |



## Product Dimensional Drawing

