



*It's All about Building a
Better Product for Our Clients!*

J&M Fluidics, Inc.
851 Tech Drive
Telford, PA 18969
Toll-Free: (888) 539-1731
Fax: 267-203-8786

Model: PZW43D

Packaged Water-Cooled 43 Ton Chiller

Shown with
Custom Chiller Barrel



STANDARD ON ALL J&M MODELS:
Pentra Microsmart, Programmable Logic Controller (PLC)
with HMI Touch Screen Display.

Electrical
Cabinet

Standard Features:

- **ETL listed** to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011
- **Single Point Power Connection**
- **Idec microprocessor controller with easy to use 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
- **Galvanized steel metal frame**
- 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:

- **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



*Easy to Use
Touch Screen Display
on ALL J&M Chiller
Models*

J&M FLUIDICS, INC. – PRODUCT DATA SHEET



It's All about Building a Better Product for Our Clients!

J&M Fluidics, Inc.

851 Tech Drive
Telford, PA 18969

Toll-Free: (888) 539-1731

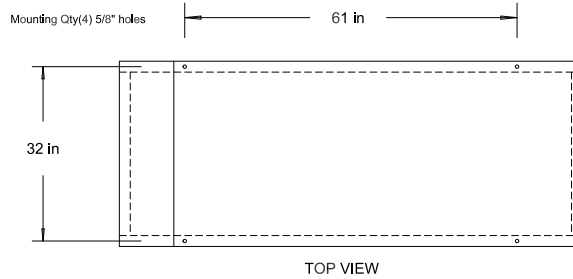
Fax: 267-203-8786

Model: PZW43D

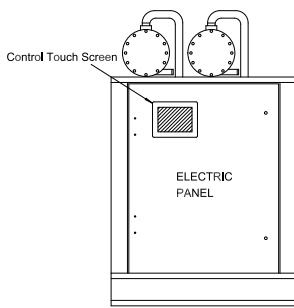
Packaged Water-Cooled 43 Ton Chiller

Product Dimensional Drawing

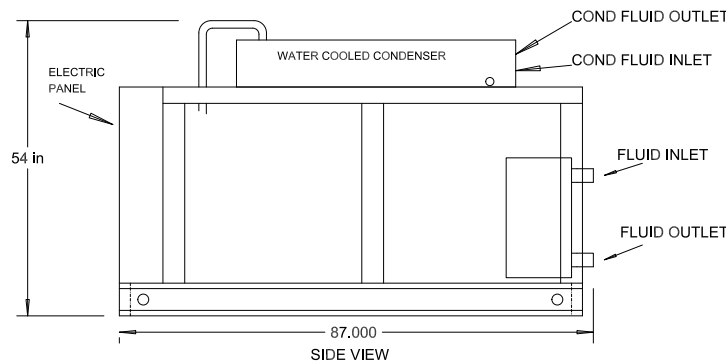
© Property of J&M Fluidics, Inc.



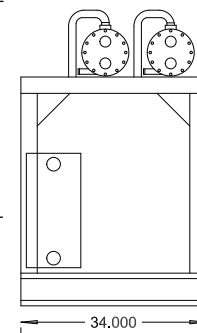
TOP VIEW



FRONT VIEW



SIDE VIEW



BACK VIEW

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 | | | | | | |
| PZW43DF5 | 87 | 34 | 54 | 208/230V | 3 | 60Hz | 2 | 25 | 89.7 | 500 | 225 | 250 | 2" MPT | 2350 |
| PZW43DH5 | | | | 460V | 3 | 60Hz | | | 43.6 | 250 | 100 | 125 | | |
| PZW43DI5 | | | | 575V | 3 | 60Hz | | | 32.7 | 198 | 75 | 100 | | |

Capacity Table (Refrigerant R407C)

| Model | Compressor | LWT °F | 105°F Condensing | | |
|-------|------------|--------|------------------|------|------|
| | | | TONS | KW | EER |
| 43D | ZR300KCE | 42.0 | 41.7 | 38.4 | 13.4 |
| | | 44.0 | 43.5 | 38.6 | 13.9 |
| | | 45.0 | 44.5 | 38.6 | 14.3 |
| | | 50.0 | 49.5 | 39.0 | 15.7 |

J&M FLUIDICS, INC. – PRODUCT DATA SHEET