



*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: PZW22D

Packaged Water-Cooled 22 Ton Chiller

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



View Showing
Electrical Panel Open



Process
Fluid Inlet

Process
Fluid Outlet

User-Friendly
HMI Touch Screen
Display



Condenser
Outlet #1

Condenser
Inlet #1

Back View

Condenser
Outlet #2

Condenser
Inlet #2

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:

- **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



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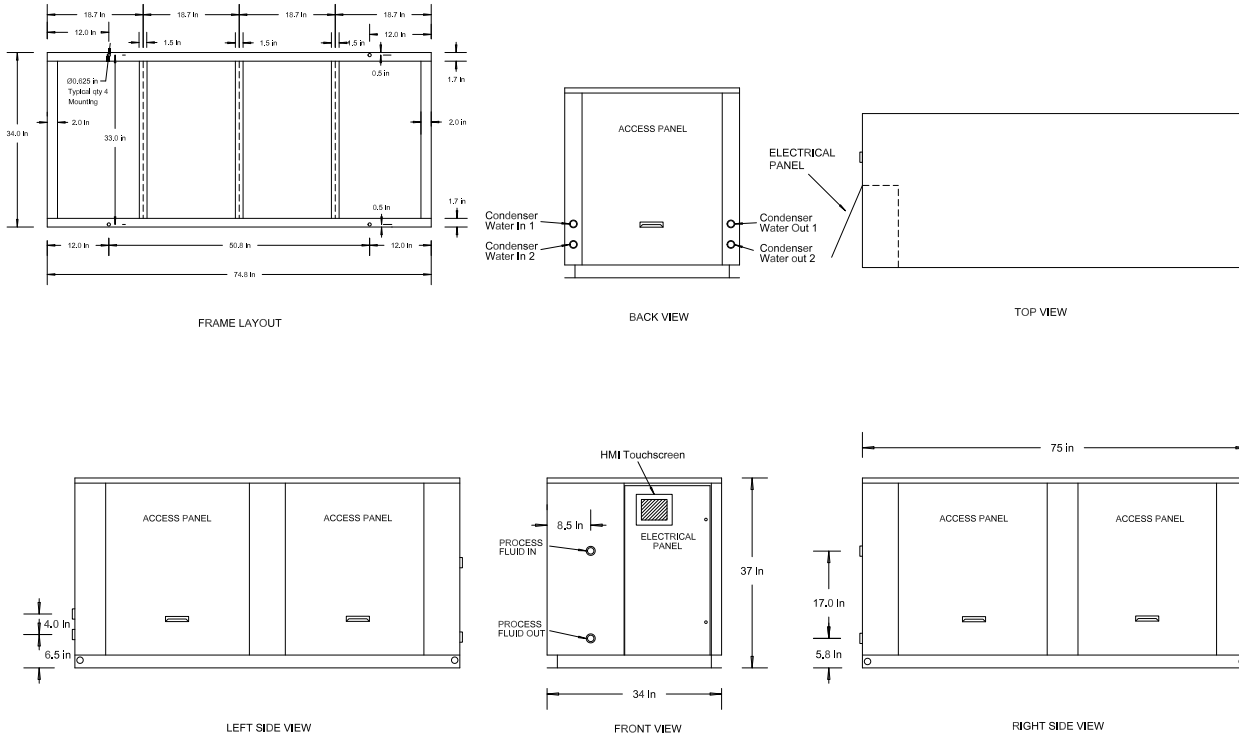
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Product Dimensional Drawing

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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	13	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

- 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.