



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

**J&M Fluidics, Inc.**  
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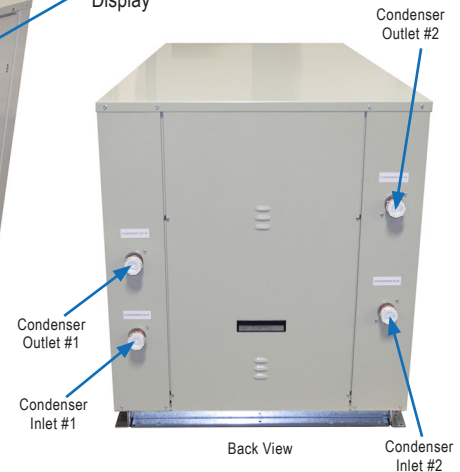
**Model: PZW18D**

**Packaged Water-Cooled 18 Ton Chiller**

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



User-Friendly  
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



### 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



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



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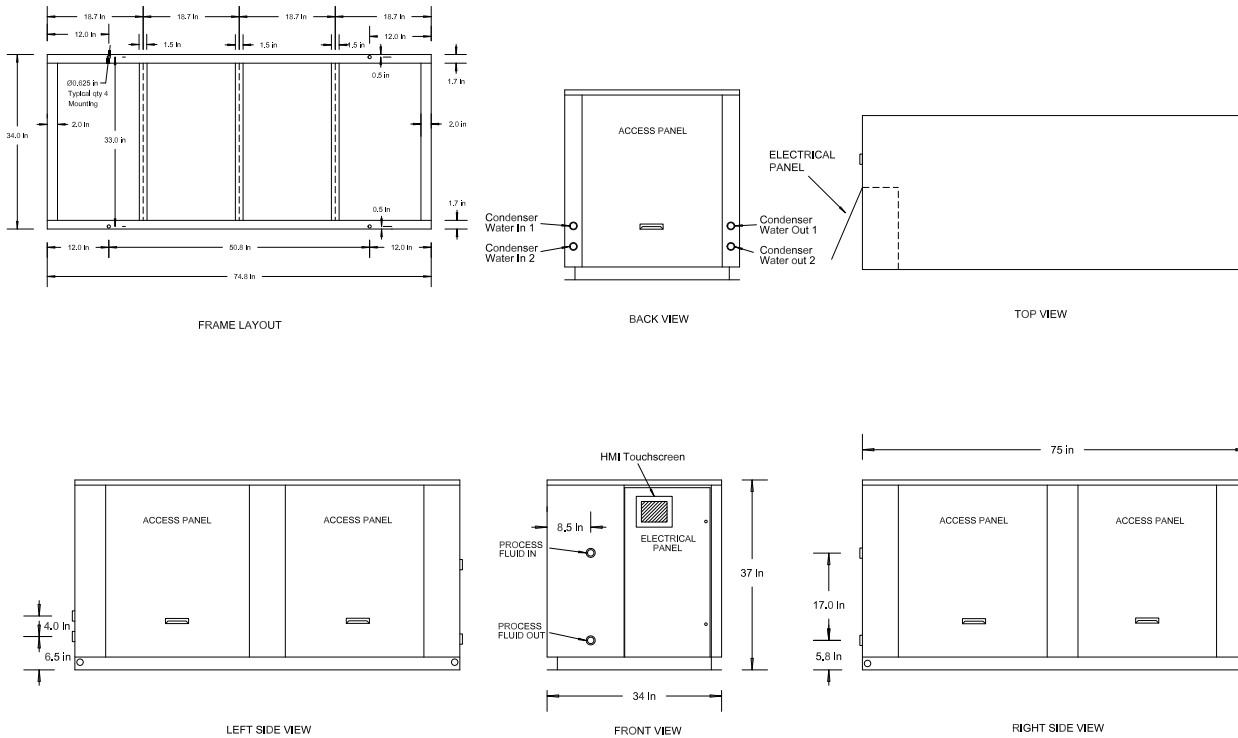
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# Model: PZW18D

# Packaged Water-Cooled 18 Ton Chiller

## 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						
PZW18DF5	75	34	37	208/230V	3	60Hz	2	10	37.2	239	90	110	1.5" FPT	975
PZW18DH5				460V	3	60Hz			17.2	125	40	50		
PZW18DI5				575V	3	60Hz			12.4	80	30	40		

## Capacity Table (Refrigerant R407C)

Model	Compressor	LWT °F	105°F Condensing		
			TONS	KW	EER
18D	ZB76KCE	42.0	18.0	16.0	13.9
		44.0	18.8	16.1	14.5
		45.0	19.2	16.1	14.8
		50.0	21.3	16.2	16.3

J&M FLUIDICS, INC. - PRODUCT DATA SHEET