

# PRODUCT DATA SHEET

Model: **PZW43D**

*Packaged Water-Cooled  
43 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.



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

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



## 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

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## Dimensional & Electrical Table (Dual Circuit)

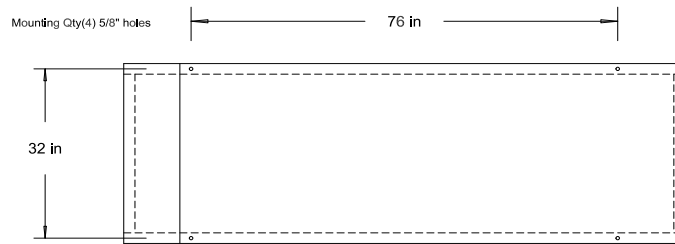
Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA ea.	LRA ea.	MCA	M.O.P	Chiller Fluid Conn.	Weight Pounds
				Voltage	Phase	Freq.	Qty.	HP						
PZW43DF5	102	34	54	208/230V	3	60Hz	2	25	89.7	500	225	250	2" MPT	2350
PZW43DH5				460V	3	60Hz			43.6	250	100	125		
PZW43DI5				575V	3	60Hz			32.7	198	75	100		

## Capacity Table (Refrigerant R407C)

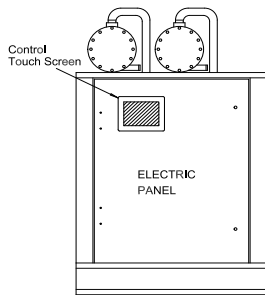
Model	Compressor	LWT °F	105°F Condensing		
			TONS	KW	EER
43D	ZR300KCE	42.0	41.7	38.4	13.4
		44.0	43.5	38.6	13.9
		45.0	44.5	38.6	14.3
		50.0	49.5	39.0	15.7



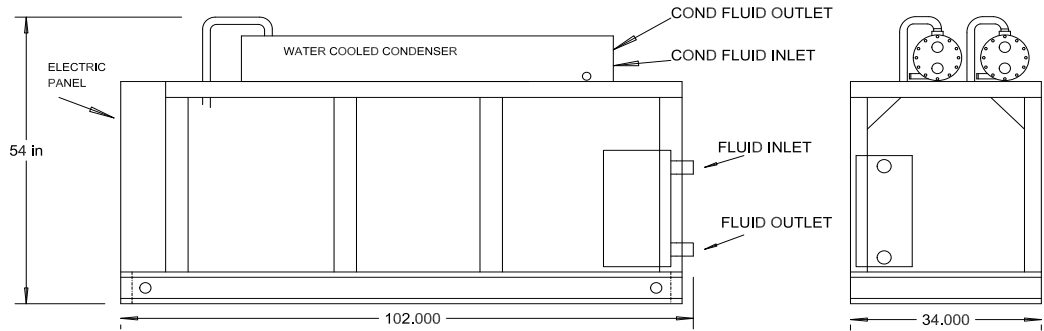
## Product Dimensional Drawing



TOP VIEW



FRONT VIEW



SIDE VIEW

BACK VIEW