PRODUCT DATA SHEET

Model: **PZW10D**Packaged Water-Cooled

10 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.



Cabinet

Front View

Standard Features:

 ETL listed to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011

Front/Side View

- 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 booket revision

Easy to Use Touch Screen Display on all Legacy Chiller Models

Options:

Fluid Inlet

Process _ Fluid Outlet

- 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	LRA			Chiller	Weight
				Voltage	Phase	Freq.	Qty.	НР	ea.	ea.	MCA	M.O.P	Fluid Conn.	Pounds
PZW10DF5	65	34	37	208/230V	3	60Hz	2	6	18.6	156	50	60	1.25" FPT	800
PZW10DH5				460V	3	60Hz			10.3	75	30	35		
PZW10DI5				575V	3	60Hz			7.1	54	20	25		

Capacity Table (Refrigerant R407C)

Model	Communace	LWT	105°F Condensing					
Model	Compressor	°F	TONS	KW	EER			
10D		42.0	10.4	9.1	14.2			
	ZB45KCE	44.0	10.8	9.1	14.8			
	ZB43NGE	45.0	11.1	9.1	15.0			
		50.0	12.2	9.2	16.5			



Product Dimensional Drawing









