PRODUCT DATA SHEET

Model: PZWT22D

Packaged Water-Cooled 22 Ton Chiller



Legacy Chiller Systems

851 Tech Drive Telford, PA 18969

Toll-Free: (877) 988-5464



Pentra Microsmart, Programmable Logic Controller (PLC) with HMI Touch Screen Display.

with Stainless Steel Tank



Idec Microprocessor
Controller



Connections on Back:

- (2) Condenser Water Inlets
- (2) Condenser Water Outlets
- (1) Process Fluid Inlet
- (1) Process Fluid Outlet

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
- · Compressor motor contactor
- Painted Powder Coated (Most Models), 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

Tank

- STAINLESS STEEL storage tank with 1/2 inch insulation
- Fused, STAINLESS STEEL re-circulation pump for tank operation with ball valve and cleanable strainer
- Tank pressure relief valve, vent and drain hose bibs

Easy to Use Touch Screen Display on all Legacy Chiller Models



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
- Dual system pump with manual changeover (some models)
- Dual system pump with auto changeover (some models)
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- . Auto city water changeover panel with filter
- Stainless steel, SCH80 PVC or Polypropylene piping for deionized and reverse osmosis water systems
- · Door Mounted HMI with weather proof cover

Tank Options

- Storage tank sight glass
- . Tank low liquid level indicator with dry contacts

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Dimensional & Electrical Table (Dual Circuit)

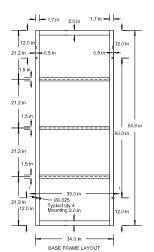
Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA	LRA	Recirculation			Reservoir	Chiller	Weight
				Voltage	Phase	Freq.	Qty.	НР	ea.	ea.	Pump FLA	MCA	M.O.P	Gal.	Fluid Conn.	Pounds
PZWT22DF5		34	70	208/230V	3	60Hz	2	12	49.4	300	5.6	150	175	120	2" FPT 160	
PZWT22DH5	85			460V	3	60Hz			23.1	150	2.8	60	80			1600
PZWT22DI5				575V	3	60Hz			19.2	109	1.8	50	60			

Capacity Table (Refrigerant R407C)

Madel	C	LWT	105°F Condensing				
Model	Compressor	°F	TONS	KW	EER		
		*42.0	19.6	16.0	13.9		
22D	70051/05	*44.0	20.5	16.1	14.5		
220	ZB95KCE	45.0	21.0	16.1	14.8		
		50.0	23.5	16.2	16.3		

* = Requires the use of glycol.

c LISTED US



Product Dimensional Drawing

