PRODUCT DATA SHEET

Model: **PZWT2S**

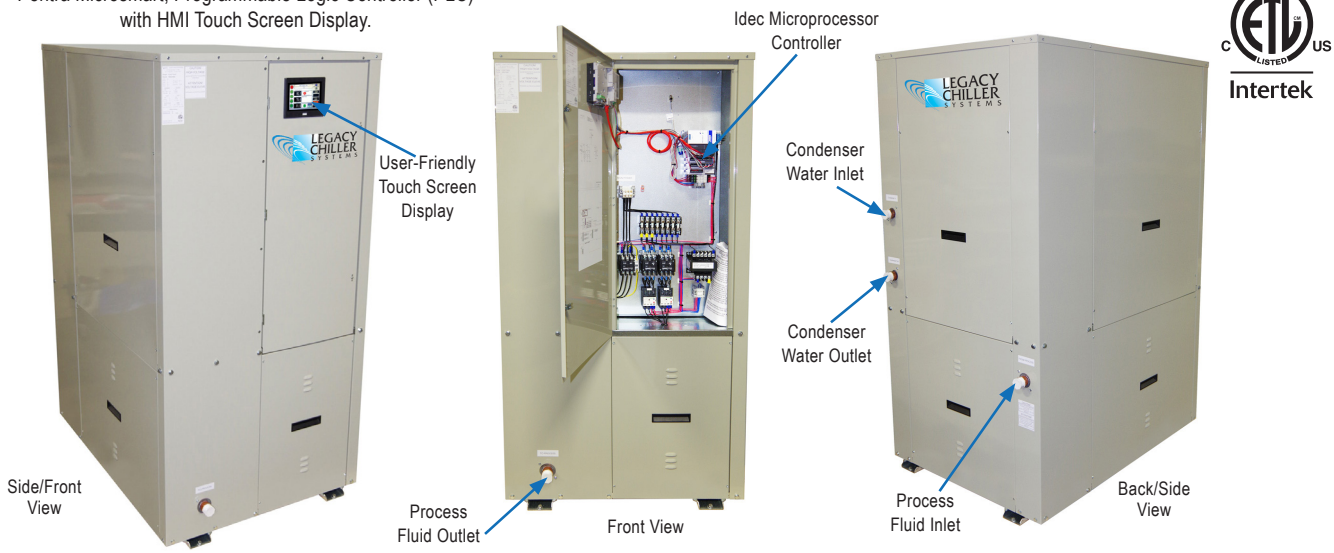
Packaged Water-Cooled 2 Ton Chiller

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.

with Stainless Steel Tank



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 (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:

- **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
- Tank City Water Makeup
- 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 (Single Circuit)

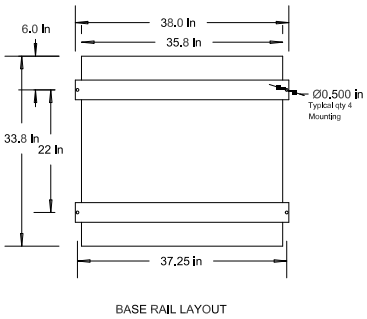
Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA ea.	LRA ea.	Recirculation Pump	MCA	M.O.P	Reservoir Gal.	Chiller Fluid Conn.	Weight Pounds
				Voltage	Phase	Freq.	Qty.	HP								
PZWT2SE5	36	34	65	208/230V	1	60Hz	1	2.5	14.1	75	4.2	25	35	20	1" FPT	550
PZWT2SF5				208/230V	3	60Hz			9.9	73	4.2	20	25			
PZWT2SH5				460V	3	60Hz			5.1	38	0.9	15	15			
PZWT2SI5				575V	3	60Hz			3.8	28	0.72	15	15			

Capacity Table (Refrigerant R407C)

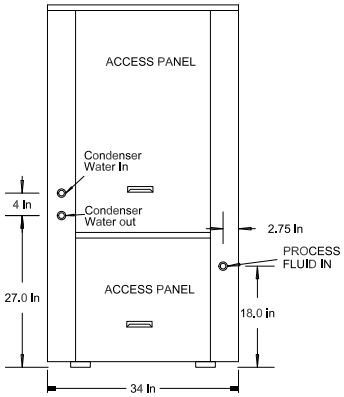
Model	Compressor	LWT °F	105°F Condensing		
			TONS	KW	EER
2S	ZS19KAE	**42.0**	1.83	1.94	12.7
		44.0	1.90	1.94	13.3
		45.0	1.94	1.93	13.6
		50.0	2.15	1.90	15.2

* = Requires the use of glycol.

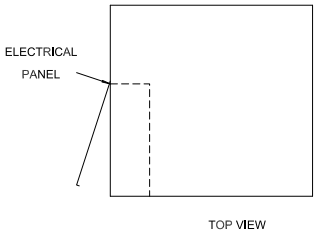
Product Dimensional Drawing



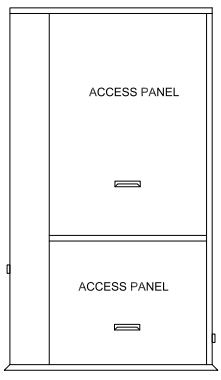
BASE RAIL LAYOUT



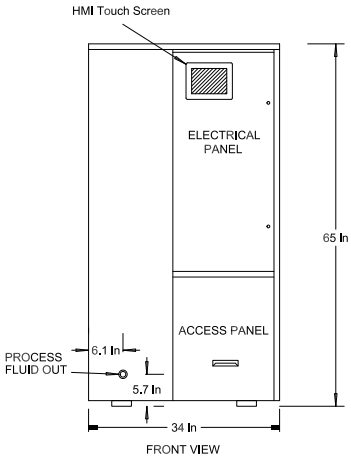
BACK VIEW



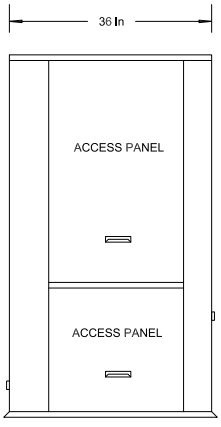
TOP VIEW



LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW

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