Model: **PZWPT5S**
Packaged Water-Cooled Portable 5 Ton Chiller

LEGACY CHILLERS

Legacy Chillers, Inc.
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.

IDEC Microprossor Controller

Back View

ETL LISTED — Intertek

User-Friendly Touch Screen Display

Front View

Factury Mounted Casters for Portability

Front View showing Electrical Cabinet Open

Process Fluid Inlet

Process Fluid Outlet

Condenser Water Out

Condenser Water In

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
- Noncorrosive polyethylene storage tank with 1/2" insulation
- Fused, STAINLESS STEEL Process pump with discharge ball valve
- Low flow by-pass valve
- **Water flow switch**
- **Hot Gas Bypass Capacity Control**
- **24V control transformer**
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser (Water cooled): Coaxial Steel tube / Copper tube
- Compressor motor and process pump contactors
- Process pump and control circuit fusing
- Casters (factory mounted)
- **Painted (Powder Coated), galvanized sheet metal cabinet**
- 1/2" insulation on all water and Low pressure refrigerant lines
- Liquid line drier, sight glass, solenoid, TXV
- Complete refrigerant charge from factory
- **Factory Performance Test prior to shipment**

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 Controller**
- 4 year extended compressor warranty
- 115 volt (rain tight) service outlet
- Fused Disconnect
- 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
- Process pump suction isolation valve
- Water pressure gauge set
- Stainless steel, SCH80 PVC or Polypropylene piping for de-ionized and reverse osmosis water systems
- Storage Tank Sight Glass
- Tank low fluid level indicator
- Tank auto city water make up solenoid & auto level switch
- Condenser water regulating valve (Water Cooled Models)
- Coastal powder coat paint protection
- **Custom powder coat paint color scheme** (Company Colors & more)
- Weather Proof HMI Cover

PRODUCT DATA SHEET

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Dimensional & Electrical Table (Single Circuit)

Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA ea.	LRA ea.	Process Pump FLA	MCA	M.O.P	Process Pump HP	Reservoir Gal.	Chiller Fluid Conn.	Condenser Water Conn.	Weight Pounds
				Voltage	Phase	Freq.	Qty.	HP										
PZWPT5SF5				208/230V	3	60Hz			18.6	156	7.9	35	45			1" FPT	1" FPT	
PZWPT5SH5	46	34	41	460V	3	60Hz	1	6	10.3	75	2.5	20	25	1.5	21	1" FPT	1" FPT	450
PZWPT5SI5				575V	3	60Hz			7.1	54	1.5	15	15					

Capacity Table (Refrigerant R407C)

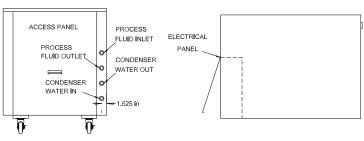| Model	Compressor	LWT °F	105°F Condensing		
			TONS	KW	EER
5S	ZB45KCE	**42.0**	5.63	4.5	14.1
		44.0	5.87	4.6	14.7
		45.0	6.00	4.6	15.0
		50.0	6.63	4.6	16.5

1. Capacities on this chart are based on refrigerant R407C. Lower leaving water or low ambient can require the use of a glycol solution or other fluid blends. These solutions affect unit capacities. Please consult the factory on these or other special fluids.
2. KW input is for compressor(s) only.
3. EER = Energy Efficiency Ratio (BTU/watt-hour). Power inputs include compressor (s), condenser fan motor (s) and control power.
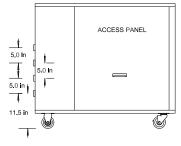
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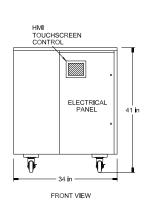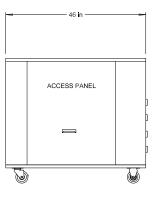
Product Dimensional Drawing

BACK VIEW

TOP VIEW

LEFT SIDE VIEW

FRONT VIEW

RIGHT SIDE VIEW