Model: **PZWT8S**

*Packaged Water-Cooled
8 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.

with **Stainless Steel Tank**

Idec Microprocessor
Controller

ETL LISTED
Intertek

Condenser
Water Inlet

Condenser
Water Outlet

Process
Fluid Outlet

Side/Back
View

Process
Fluid Inlet
(this side)

Front View

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**

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
- 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

PRODUCT DATA SHEET

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Dimensional & Electrical Table (Single Circuit)

Chiller Models	Length Inches	Width Inches	Height Inches	Power Voltage	Power Phase	Power Freq.	Compressor Qty.	Compressor HP	RLA ea.	LRA ea.	Recirculation Pump FLA	MCA	M.O.P	Reservoir Gal.	Chiller Fluid Conn.	Weight Pounds
PZWT8SF5				208/230V	3	60Hz			30.1	225	6.6	45	70			
PZWT8SH5	75	34	70	460V	3	60Hz	1	9	15.5	114	1.7	25	35	80	1.25" FPT	1000
PZWT8SI5				575V	3	60Hz			12.1	80	1.5	20	25			

Capacity Table (Refrigerant R407C)

| Model	Compressor	LWT °F	105°F Condensing TONS	105°F Condensing KW	105°F Condensing EER
8S	ZB66KCE	*42.0	6.71	6.70	14.2
		*44.0	7.02	6.72	14.7
		45.0	7.18	6.73	15.0
		50.0	8.00	6.78	16.6

* = Requires the use of glycol.

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.
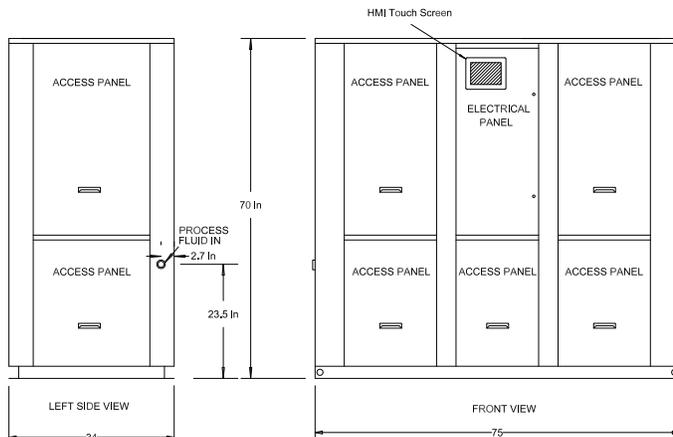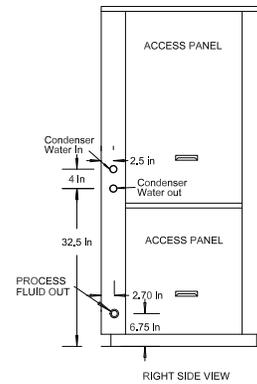
Product Dimensional Drawing

FRAME LAYOUT
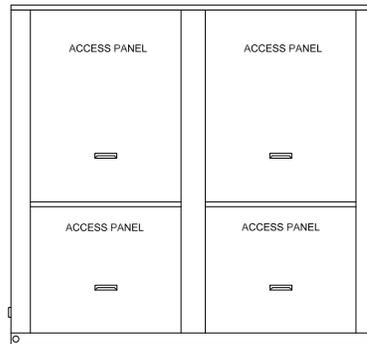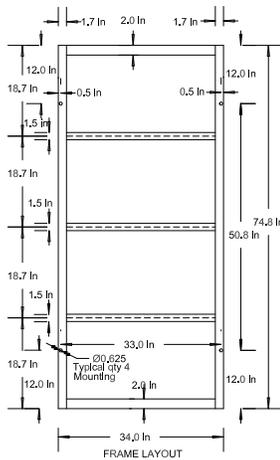
BACK VIEW
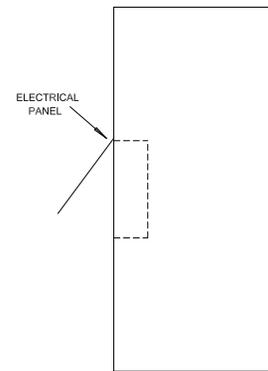
TOP VIEW

LEFT SIDE VIEW

FRONT VIEW

RIGHT SIDE VIEW

ETL Listed - Intertek