# PRODUCT DATA SHEET

Process Fluid Inlet (this side)

Model: PZWT11S Packaged Water-Cooled 11 Ton Chiller



Legacy Chillers, Inc. 851 Tech Drive Telford, PA 18969

Toll-Free: (877) 988-5464



# **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



# with Stainless Steel Tank Idec Microprocessor Controller LEGACY



Front View

- **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

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## **Dimensional & Electrical Table (Single Circuit)**

Chiller	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA	LRA	Recirculation			Reservoir	Chiller	Weight
Models				Voltage	Phase	Freq.	Qty.	HP	ea.	ea.	Pump FLA	MCA	M.O.P	Gal.	Fluid Conn.	Pounds
PZWT11SF5				208/230V	3	60Hz			49.4	300	7.9	70	110			
PZWT11SH5	75	34	70	460V	3	60Hz	1	13	23.1	150	2.5	35	50	80	1.25" FPT	1200
PZWT11SI5				575V	3	60Hz			19.2	109	1.8	30	45			

## Capacity Table (Refrigerant R407C)

Model	Compressor	LWT °F	105°F	nsing			
	Compressor		TONS	KW	EER		
11S		*42.0	9.79	9.82	13.9	*	- Demains the use of almost
	ZB95KCE	*44.0	10.25	9.85	14.5	^	= Requires the use of glyco
		45.0	10.50	9.87	14.8		
		50.0	11.75	9.98	16.3		

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.

KW input is for compressor(s) only.
EER = Energy Efficiency Ratio (BTU/watt-hour). Power inputs include compressor (s), condenser fan motor (s) and control power.

1.7 In -

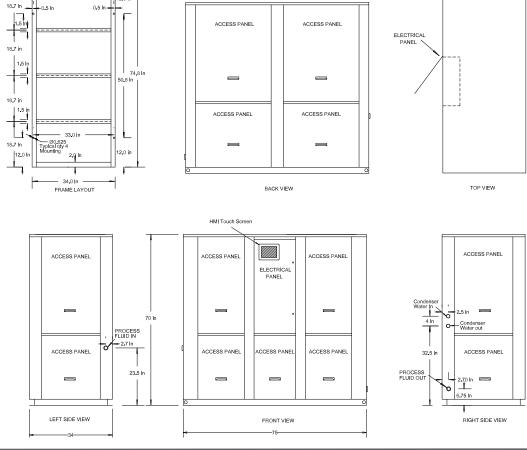
12.0 I

1.7 ln 2.0 in

12.0 lr



## **Product Dimensional Drawing**



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