PRODUCT DATA SHEET

Model: **PZWPT3S** *Packaged Water-Cooled Portable 3 Ton Chiller*



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

Toll-Free: (877) 988-5464

IDEC STANDARD ON ALL LEGACY CHILLER MODELS: Microprossor Pentra Microsmart, Programmable Logic Controller (PLC) Controller with HMI Touch Screen Display. Back View User-Friendly Intertek **Touch Screen** Display Process Fluid Inlet EGACY Process Fluid Outlet Front View showing Factury Mounted Electrical Cabinet Oper Casters for Condenser Front View Condense Water Out Portability Water In **Standard Features: Options:** • ETL listed to UL1995 & CAN/CSA C22.2 Copeland Digital Scroll Compressor No. 236-11. 4th edition. 10/14/2011 Remote Idec touchscreen control panel Single Point Power Connection Industrial VPN Router Pentra Microsmart, Programmable Logic Controller 5 Port Ethernet Switch (PLC) with easy to use HMI touch screen display • **BacNet Gateway** Process Pump VFD Controller · STAINLESS STEEL, brazed plate evaporator VFD Compressor Controller Scroll compressor with crankcase heater 4 year extended compressor warranty Suction accumulator 115 volt (rain tight) service outlet Noncorrosive polyethylene storage tank with 1/2" insulation Fused Disconnect · Fused, STAINLESS STEEL Process pump with Non Fused Disconnect discharge ball valve · Phase monitor, line voltage monitor offering protection · Low flow by-pass valve against phase loss/reversal, unbalance and hi/lo voltage Water flow switch • Compressor fusing · Hot Gas Bypass Capacity Control · Compressor sound cover 24V control transformer Factory installed evaporator heat tape freeze protection Rust resistant, high CFM, aluminum condenser fan blade Process pump suction isolation valve Condenser (Water cooled): Coaxial Steel tube / Copper tube Water pressure gauge set Compressor motor and process pump contactors Stainless steel, SCH80 PVC or Polypropylene piping for · Process pump and control circuit fusing de-ionized and reverse osmosis water systems · Casters (factory mounted) Storage Tank Sight Glass · Painted (Powder Coated), galvanized sheet metal cabinet Tank low fluid level indicator 1/2" insulation on all water and Low pressure refrigerant lines Tank auto city water make up solenoid & auto level switch Liquid line drier, sight glass, solenoid, TXV · Condenser water regulating valve (Water Cooled Models) Complete refrigerant charge from factory Coastal powder coat paint protection Factory Performance Test Custom powder coat paint color scheme prior to shipment (Company Colors & more) Easy to Use Weather Proof HMI Cover Touch Screen Display on all Legacy Chiller Models

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Dimensional & Electrical Table (Single Circuit)

Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor				Process			Process		Chiller	Condenser	
				Voltage	Phase	Freq.	Qty.	HP	RLA ea.	LRA ea.	Pump FLA	MCA	M.O.P	Pump HP	Reservoir Gal.	Fluid Conn.	Water Conn.	Weight Pounds
PZWPT3SE5	36	34	41	208/230V	1	60Hz	i0Hz i0Hz	4	21.8	137	6.6	35	50	1	12	1" FPT	1" FPT	375
PZWPT3SF5				208/230V	3	60Hz			15.4	114	6.6	25	35					
PZWPT3SH5				460V	3	60Hz			7.1	58	1.7	15	15					
PZWPT3SI5				575V	3	60Hz			5.2	43	0.72	15	15					

Capacity Table (Refrigerant R407C)

Model	Compressor	LWT	105°F Condensing				
woder	Compressor	°F	TONS	KW	EER		
		42.0	3.61	2.8	14.2		
3S	ZS29KAE	44.0	3.76	2.8	14.9		
33	2529KAE	45.0	3.83	2.8	15.2		
		50.0	4.23	2.8	17.0		

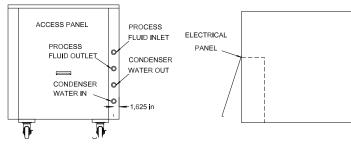
1. Capacities on this chart are based on refrigerant R407C. Lower leaving water or low ambient can require the use of a glycol solution or other fluid blends. These solutions affect unit capacities. Please consult the factory on these or other special fluids.

2. KW input is for compressor(s) only.

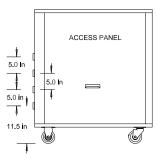
3. EER = Energy Efficiency Ratio (BTU/watt-hour). Power inputs include compressor (s), condenser fan motor (s) and control power.



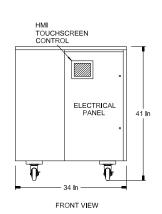
Product Dimensional Drawing



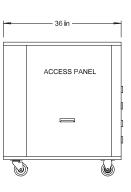
TOP VIEW



LEFT SIDE VIEW



BACK VIEW



RIGHT SIDE VIEW