

PRODUCT DATA SHEET

Model: PZAPT1S

Packaged Air-Cooled
Portable 1 Ton Chiller

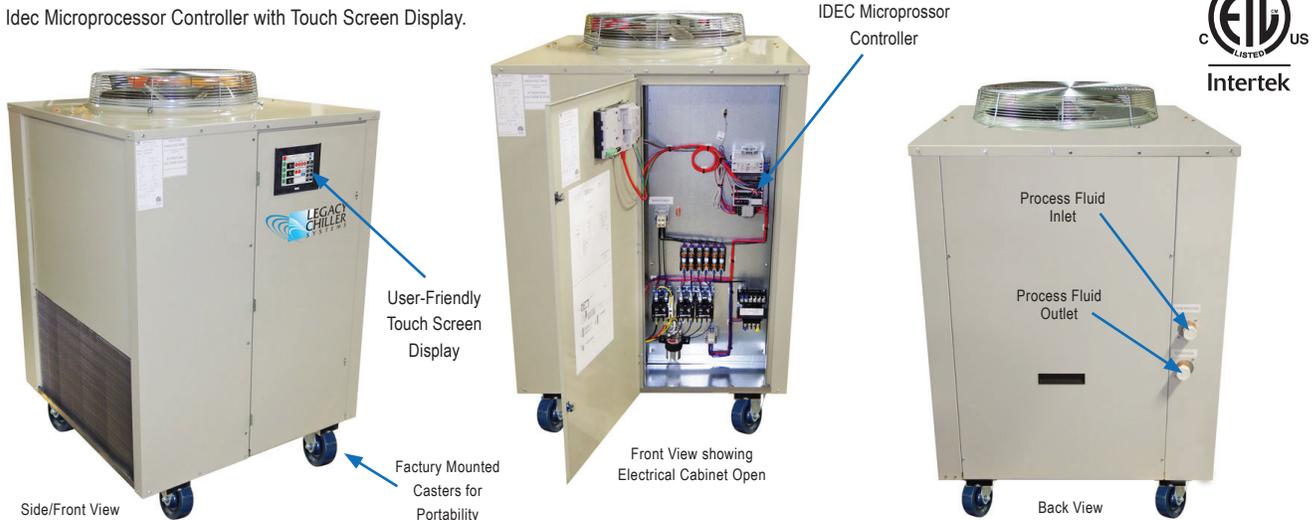


Legacy Chillers, Inc.

851 Tech Drive
Telford, PA 18969

Toll-Free: (877) 988-5464

STANDARD ON ALL LEGACY CHILLER MODELS:
Idec Microprocessor Controller with Touch Screen Display.



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 w/ discharge ball valve
- Low flow by-pass valve
- Water flow switch
- Hot Gas Bypass Capacity Control
- 24V control transformer
- Fan cycle control (+40°F)
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser (Air cooled): copper tube/aluminum fin
- Compressor motor, Condenser fan and process pump contactors
- Condenser motor, 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:

- 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
- E-Coat condenser coating (Air Cooled Models)
- 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
- Coastal powder coat paint protection
- Custom powder coat paint color scheme (Company Colors & more)
- Weather Proof HMI Cover

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Dimensional & Electrical Table (Single Circuit)

Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA ea.	LRA ea.	Fan Motor		Process-Pump	MCA	M.O.P	Process Pump HP	Reservoir Gal.	Chiller Fluid Conn.	Weight Pounds
				Voltage	Phase	Freq.	Qty.	HP			Qty.	FLA							
PZAPT1SE5	36	34	49	208/230V	1	60Hz	1	1.3	8.3	40.3	1	3.8	6.6	25	25	1	12	1" FPT	400

Capacity Table (Refrigerant R407C)

Model	Compressor	LWT °F	80°F			90°F			95°F			100°F			105°F		
			TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER
1S	ZR16K5E	42.0	1.18	1.0	7.5	1.10	1.2	6.8	1.06	1.2	6.3	1.02	1.3	6.0	0.98	1.4	5.6
		44.0	1.23	1.0	7.7	1.15	1.2	6.9	1.11	1.2	6.5	1.07	1.3	6.2	1.03	1.4	5.8
		45.0	1.26	1.0	7.8	1.18	1.2	7.0	1.13	1.2	6.6	1.09	1.3	6.3	1.05	1.4	5.9
		50.0	1.41	1.0	8.4	1.32	1.2	7.5	1.27	1.2	7.1	1.23	1.3	6.7	1.18	1.4	6.3

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.
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

