

PRODUCT DATA SHEET

Model: **PZAPT11S**

*Packaged Air-Cooled
Portable 11 Ton Chiller*



Legacy Chillers, Inc.

851 Tech Drive
Telford, PA 18969

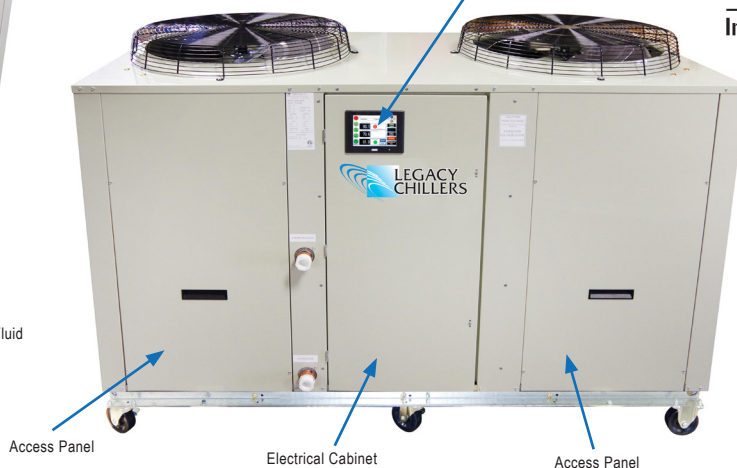
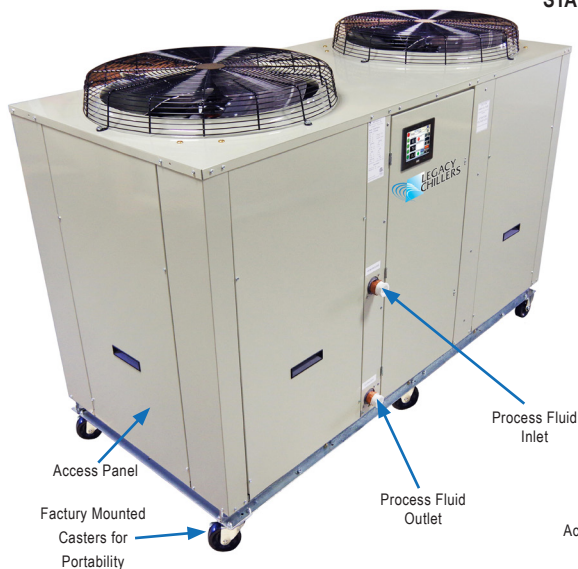
Toll-Free: (877) 988-5464



STANDARD ON ALL LEGACY CHILLER MODELS:

Idec Microprocessor Controller with
Touch Screen Display.

User-Friendly
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. | | | | | | | |
| PZAPT11SF5 | 75 | 34 | 55 | 208/230V | 3 | 60Hz | 1 | 13 | 49.4 | 300 | 2 | 3.8 | 10.8 | 80 | 125 | 2 | 31 | 1.25" FPT | 875 |
| PZAPT11SH5 | | | | 460V | 3 | 60Hz | | | 23.1 | 150 | | 1.5 | 2.8 | 35 | 50 | | | | |
| PZAPT11SI5 | | | | 575V | 3 | 60Hz | | | 19.2 | 109 | | 1.72 | 1.5 | 30 | 45 | | | | |

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 |
| 11S | ZB95KCE | 42.0 | 12.1 | 9.5 | 12.4 | 11.4 | 10.6 | 11.4 | 11.0 | 11.4 | 9.7 | 10.7 | 12.1 | 8.9 | 10.3 | 12.9 | 8.1 |
| | | 44.0 | 12.7 | 9.6 | 13.0 | 12.0 | 10.7 | 11.1 | 11.6 | 11.5 | 10.2 | 11.2 | 12.1 | 9.3 | 10.8 | 13.0 | 8.5 |
| | | 45.0 | 12.9 | 9.6 | 13.2 | 12.2 | 10.8 | 11.3 | 11.8 | 11.5 | 10.4 | 11.5 | 12.1 | 9.5 | 11.0 | 13.0 | 8.7 |
| | | 50.0 | 14.4 | 9.7 | 14.5 | 13.6 | 10.9 | 12.5 | 13.3 | 11.6 | 11.5 | 12.8 | 12.1 | 10.6 | 12.4 | 13.0 | 9.7 |

- 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.



Product Dimensional Drawing

