

PRODUCT DATA SHEET

Model: PZAPT2S

Packaged Air-Cooled
Portable 2 Ton Chiller

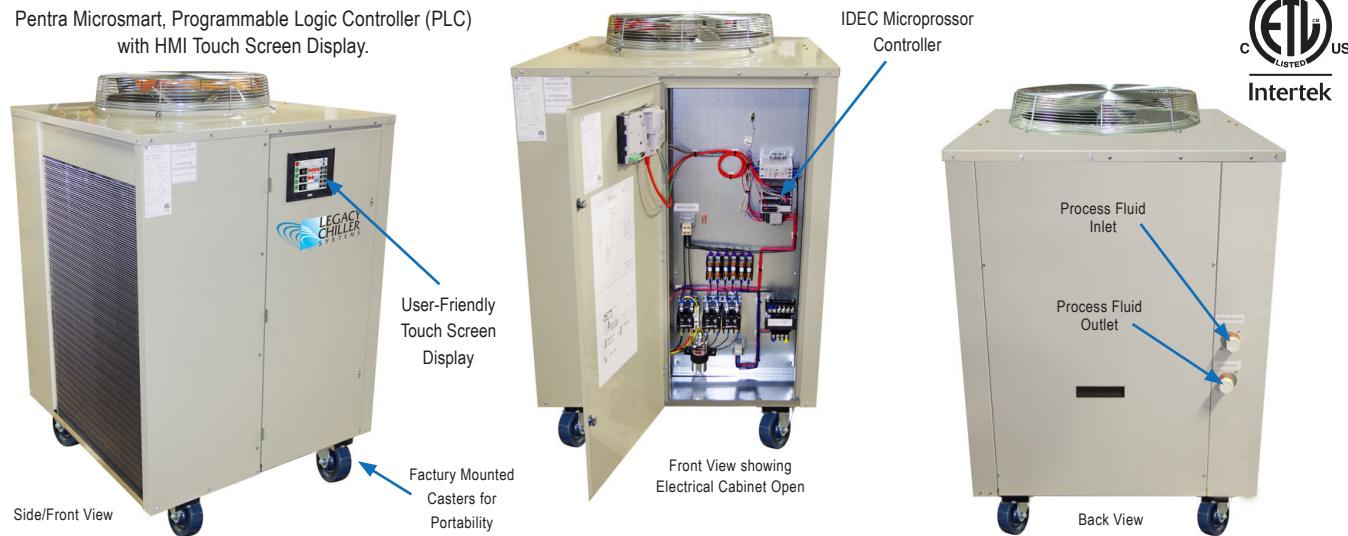


Legacy Chiller Systems

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.



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**
- **Extended warranty:** See your quote or latest IOM booklet revision

**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. | | | | | | | | |
| PZAPT2SE5 | 36 | 34 | 49 | 208/230V | 1 | 60Hz | 1 | 2.5 | 14.1 | 75 | 1 | 3.8 | 6.6 | 30 | 40 | 1 | 12 | 1" FPT | 410 | |
| PZAPT2SF5 | | | | 208/230V | 3 | 60Hz | | | 9.9 | 73 | | | 6.6 | 25 | | | | | | 30 |
| PZAPT2SH5 | | | | 460V | 3 | 60Hz | | | 5.1 | 38 | | | 1.7 | 15 | | | | | | 15 |
| PZAPT2SI5 | | | | 575V | 3 | 60Hz | | | 3.8 | 28 | | | 0.72 | 15 | | | | | | 15 |

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 |
| 2S | ZS19KAE | 42.0 | 2.2 | 1.8 | 7.5 | 2.1 | 2.1 | 8.6 | 2.0 | 2.2 | 8.1 | 2.0 | 2.3 | 7.6 | 1.9 | 2.4 | 7.1 |
| | | 44.0 | 2.3 | 1.8 | 10.0 | 2.2 | 2.1 | 8.9 | 2.1 | 2.2 | 8.4 | 2.1 | 2.3 | 7.9 | 2.0 | 2.4 | 7.4 |
| | | 45.0 | 2.4 | 1.8 | 10.2 | 2.2 | 2.1 | 9.1 | 2.2 | 2.2 | 8.5 | 2.1 | 2.3 | 8.0 | 2.0 | 2.4 | 7.5 |
| | | 50.0 | 2.6 | 1.8 | 11.3 | 2.5 | 2.0 | 9.8 | 2.4 | 2.2 | 9.2 | 2.3 | 2.3 | 8.6 | 2.3 | 2.4 | 8.1 |



Product Dimensional Drawing

