

PRODUCT DATA SHEET

Model: PZAT4S

Packaged Air-Cooled
4 Ton Chiller



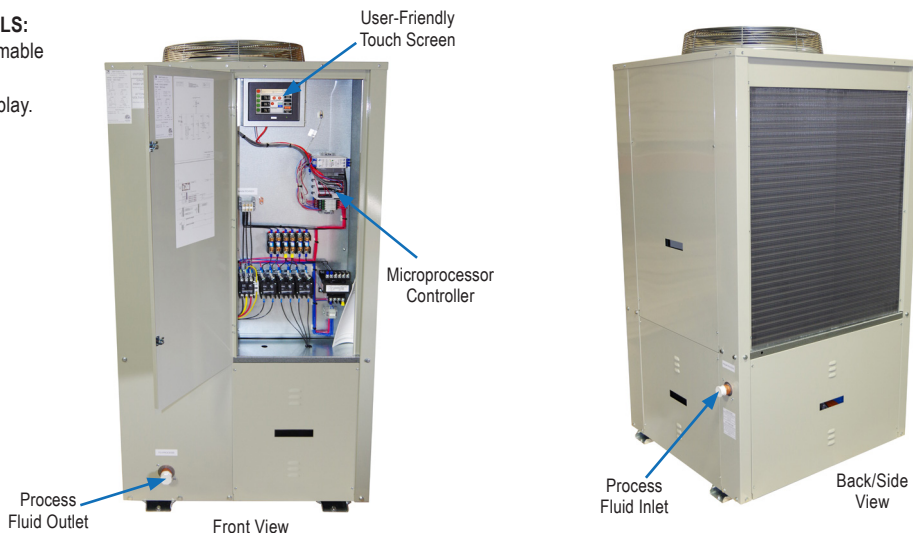
Legacy Chiller Systems

851 Tech Drive
Telford, PA 18969

Toll-Free: (877) 988-5464

with Stainless Steel Tank

**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 Tank
- STAINLESS STEEL, brazed plate evaporator
- Scroll compressor with crankcase heater
- Suction accumulator
- Water flow switch
- Hot gas by-pass capacity control
- 24V control transformer
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fin
- Compressor motor contactor
- Condenser motor and control circuit fusing
- 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:

- 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)
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase Monitor, line voltage monitor offering protection against phase loss/reversal, unbalance and High/Low voltage
- Compressor fusing
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure Water flow meter control (-20°F)
- Dual process pump with auto changeover
- Pump suction isolation valve
- Water pressure gauge set
- Copper finned condenser coil (coastal protection)
- Coastal powder coat paint protection
- E-Coat Condenser Coil (coastal protection)
- Water Flow Meter
- Auto city water make up solenoid & auto level switch
- Auto city water changeover panel with filter
- Stainless steel, SCH80 PVC or Polypropylene piping for deionize and reverse osmosis water systems
- Storage tank sight glass
- Door Mounted HMI with weather proof cover

PRODUCT DATA SHEET

Model: **PZAT4S**
Packaged Air-Cooled
4 Ton Chiller



Legacy Chiller Systems
 851 Tech Drive
 Telford, PA 18969
Toll-Free: (877) 988-5464

with Stainless Steel Tank

Dimensional & Electrical Table (Single Circuit)

| Chiller Models | Length Inches | Width Inches | Height Inches | Power | | | Compressor | | RLA ea. | LRA ea. | Fan Motor | | Recirculation Pump FLA | MCA | M.O.P | Reservoir Gal. | Chiller Fluid Conn. | Weight Pounds |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|-----------|------|------------------------|-----|-------|----------------|---------------------|---------------|
| | | | | Voltage | Phase | Freq. | Qty. | HP | | | Qty. | FLA. | | | | | | |
| PZAT4SE5 | 46 | 34 | 74 | 208/230V | 1 | 60Hz | 1 | 5 | 27.1 | 175 | 1 | 3.8 | 4.2 | 45 | 60 | 50 | 1" FPT | 850 |
| PZAT4SF5 | | | | 208/230V | 3 | 60Hz | | | 18.6 | 128 | | | | 35 | 45 | | | |
| PZAT4SH5 | | | | 460V | 3 | 60Hz | | | 8.0 | 63 | | | | 15 | 20 | | | |
| PZAT4SI5 | | | | 575V | 3 | 60Hz | | | 6.3 | 50 | | | | 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 |
| 4S | ZB38KCE | *42.0 | 4.0 | 4.0 | 10.9 | 3.7 | 4.4 | 9.5 | 3.7 | 4.6 | 8.9 | 3.5 | 4.8 | 8.3 | 3.4 | 5.1 | 7.7 |
| | | *44.0 | 4.1 | 4.0 | 11.2 | 3.9 | 4.4 | 9.8 | 3.8 | 4.6 | 9.2 | 3.7 | 4.9 | 8.6 | 3.6 | 5.1 | 8.0 |
| | | 45.0 | 4.2 | 4.0 | 11.3 | 4.0 | 4.4 | 9.9 | 3.9 | 4.7 | 9.3 | 3.8 | 4.9 | 8.7 | 3.7 | 5.2 | 8.1 |
| | | 50.0 | 4.6 | 4.2 | 12.1 | 4.5 | 4.6 | 10.6 | 4.4 | 4.8 | 10.0 | 4.2 | 5.0 | 9.4 | 4.1 | 5.3 | 8.7 |

* = Requires the use of glycol.



Product Dimensional Drawing

