PRODUCT DATA SHEET

Model: **PSA62D** Packaged Air-Cooled 62 Ton Chiller



Legacy Chiller Systems 851 Tech Drive Telford, PA 18969

Toll-Free: (877) 988-5464

Access Doors on front & both sides

STANDARD ON ALL LEGACY CHILLER MODELS: Pentra Microsmart, Programmable Logic Controller (PLC) with HMI Touch Screen Display. (Located inside front electrical cabinet)

Electrical Cabinet

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
- SEMI-HEMETIC compressor with crankcase heater and vibration spring mounting kit
- Compressor discharge and suction pipe vibration eliminators
- Suction Accumulator
- Liquid sight-glass, solenoid, TXV and replaceable core drier
- Water flow switch
- 24V control transformer
- Fan cycle control (+40°F)
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fin, Floating Tube™
- 5 year condenser warranty against tube sheet leaks
- Compressor motor contactor
- · Individual condenser motor contactors and fusing
- Condenser control panel with factory mounted door interrupt disconnect switch
- Galvanized steel sheet metal cabinet
- 1/2 inch insulation on all water and refrigerant lines
- Operating Refrigerant charge from factory
- Factory Performance Test prior to shipment
- Extended warranty: See your quote or latest IOM booket 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
- 4 year extended compressor warranty
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase Monitor, line voltage monitor offering protection against phase loss/reversal, unbalance and hi/lo voltage
- Compressor fusing
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure control (-20°F)
- Factory installed evaporator heat tape freeze protection
- Fused, STAINLESS STEEL process pump
- Dual process pump with manual changeover
- Dual process pump with auto changeover
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- Copper finned condenser coil (coastal protection)
- BohnGuard[™] coated condenser coil (coastal protection)
- Epoxy or Phenolic coated fins (coastal protection)
- Door Mounted HMI with weather proof cover

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Intertek

57 In



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Dimensional & Electrical Table (Dual Circuit)

| Chiller Models | Length Inches | Width Inches | Height Inches | Power | | | Compressor | | RLA | LRA | Fan Motor | | | | Chiller | Weight |
|-------------------|------------------|-----------------|------------------|----------|-------|-------|------------|----|-------|-----|-----------|------|-----|-------|----------------|--------|
| | | | | Voltage | Phase | Freq. | Qty. | НР | ea. | ea. | Qty. | FLA. | MCA | M.O.P | Fluid Conn. | Pounds |
| PSA62DN5 | | 88 | 57 | 200/230V | 3 | 60Hz | 2 | 35 | 167.9 | 754 | 6 | 7 | 450 | 500 | 3" FPT | 6200 |
| PSA62DP5 | 220 | | | 230V | 3 | 60Hz | | | 142.3 | 594 | | 7 | 400 | 500 | | |
| PSA62DH5 | 230 | | | 460V | 3 | 60Hz | | | 71.8 | 297 | | 3.5 | 200 | 250 | | |
| PSA62DI5 | | | | 575V | 3 | 60Hz | | | 58.3 | 245 | | 2.8 | 150 | 200 | | |

Capacity Table (Refrigerant R407C)

| Model | Compressor | LWT °F | 80°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
|-------|------------|-----------|------|------|------|------|------|------|------|------|------|-------|------|-----|-------|------|-----|
| | | | TONS | KW | EER | TONS | ĸw | EER | TONS | ĸw | EER | TONS | KW | EER | TONS | KW | EER |
| 62D | 6DJNR40ME | 42.0 | 74.7 | 65.6 | 11.3 | 67.8 | 71.0 | 9.6 | 64.2 | 73.8 | 8.7 | 60.3 | 76.6 | 7.9 | 56.3 | 79.6 | 7.2 |
| | | 44.0 | 78.7 | 66.4 | 11.8 | 71.8 | 71.8 | 10.0 | 68.0 | 74.8 | 9.1 | 64.0 | 77.8 | 8.3 | 59.8 | 81.0 | 7.5 |
| | | 45.0 | 80.7 | 66.8 | 12.0 | 73.7 | 72.4 | 10.2 | 69.8 | 75.2 | 9.4 | 65.7 | 78.4 | 8.5 | 61.5 | 81.6 | 7.7 |
| | | 50.0 | 90.2 | 78.6 | 13.1 | 82.8 | 74.4 | 11.2 | 78.8 | 77.6 | 10.3 | 74.3 | 80.8 | 9.4 | 69.8 | 84.4 | 8.5 |

Product Dimensional Drawing





