

# 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

**STANDARD ON ALL LEGACY CHILLER MODELS:**  
Pentra Microsmart, Programmable Logic Controller (PLC)  
with HMI Touch Screen Display.  
(Located inside front 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 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**
- 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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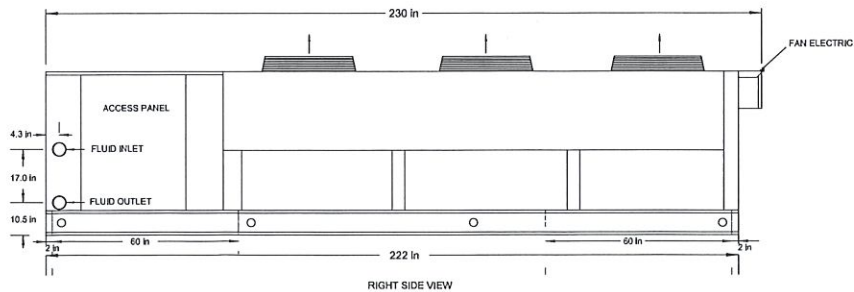
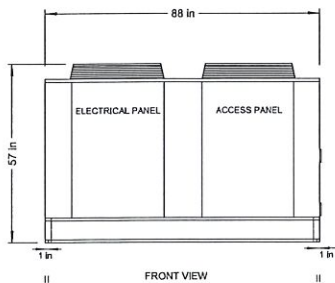
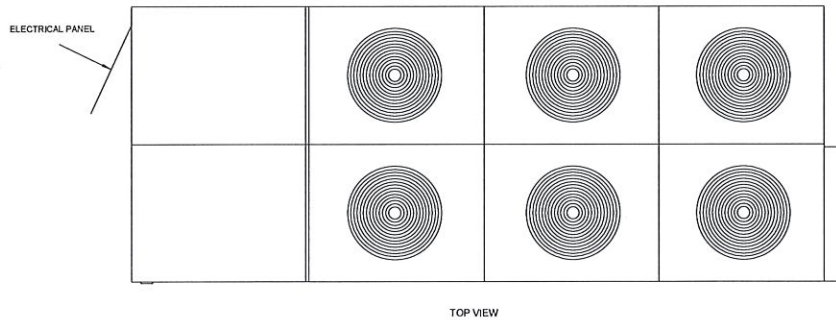
## Dimensional & Electrical Table (Dual Circuit)

| Chiller Models | Length Inches | Width Inches | Height Inches | Power    |       |       | Compressor |    | RLA ea. | LRA ea. | Fan Motor |      | MCA | M.O.P | Chiller Fluid Conn. | Weight Pounds |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|-----------|------|-----|-------|---------------------|---------------|
|                |               |              |               | Voltage  | Phase | Freq. | Qty.       | HP |         |         | Qty.      | FLA. |     |       |                     |               |
| PSA62DN5       | 230           | 88           | 57            | 200/230V | 3     | 60Hz  | 2          | 35 | 167.9   | 754     | 6         | 7    | 450 | 500   | 3" FPT              | 6200          |
| PSA62DP5       |               |              |               | 230V     | 3     | 60Hz  |            |    | 142.3   | 594     |           | 7    | 400 | 500   |                     |               |
| PSA62DH5       |               |              |               | 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 | KW   | EER  | TONS | KW   | 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



Qty 8 Mounting  
 .438 Dia