



*It's All about Building a
Better Product for Our Clients!*

J&M Fluidics, Inc.
851 Tech Drive
Telford, PA 18969
Toll-Free: (888) 539-1731
Fax: 267-203-8786

Model: IEZAT7S

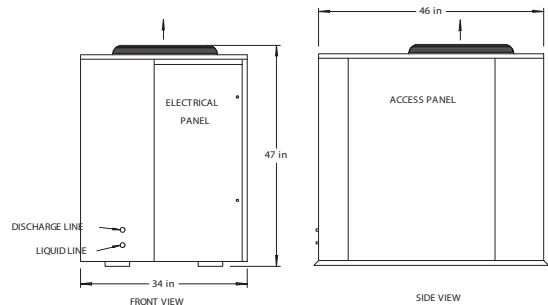
Split-System, Air-Cooled 7 Ton Chiller

with Stainless Steel Tank



STANDARD ON ALL J&M MODELS:
Pentra Microsmart, Programmable Logic Controller (PLC)
with HMI Touch Screen Display.

Condenser Model (OC5S)



OC Refrigerant Connections: Discharge Line- 3/4", Liquid Line- 1/2"

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
 - Water flow switch
 - Hot Gas Bypass Capacity Control
 - 24V control transformer
 - Control circuit fusing
 - Compressor motor contactor
 - Painted - Powder Coated (Most Models), galvanized sheet metal cabinet
 - 1/2" insulation on all water and refrigerant lines
 - Liquid line drier, sight glass, solenoid, TXV
 - Complete refrigerant charge from factory
 - **Factory Performance Test prior to shipment**
- Tank**
- **STAINLESS STEEL** storage tank with 1/2 inch insulation
 - Fused, **STAINLESS STEEL** re-circulation pump for tank operation with ball valve and cleanable strainer
 - Tank pressure relief valve, vent and drain hose bibs



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 on primary compressor
 - 4 year extended compressor warranty
 - Condenser water regulating valve
 - 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
 - Factory installed evaporator heat tape freeze protection
 - Low flow by-pass valve
 - Fused, **STAINLESS STEEL** process pump
 - Dual system pump with manual changeover (some models)
 - Dual system pump with auto changeover (some models)
 - Pump suction isolation valve
 - Water pressure gauge set
 - Water Flow Meter
 - Auto city water changeover panel with filter
 - Stainless steel, SCH80 PVC or Polypropylene piping for deionized and reverse osmosis water systems
 - Door Mounted HMI with weather proof cover
- Tank Options**
- Storage tank sight glass
 - Tank low liquid level indicator with dry contacts
 - Auto Tank Fill



*Easy to Use
Touch Screen Display
on ALL J&M Chiller
Models*

J&M FLUIDICS, INC. – PRODUCT DATA SHEET



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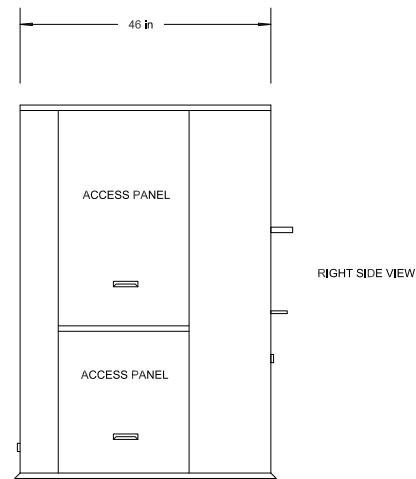
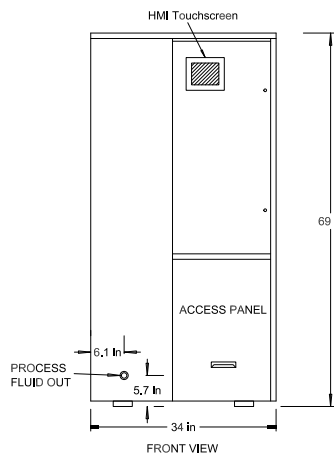
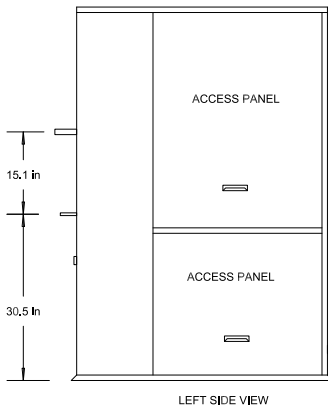
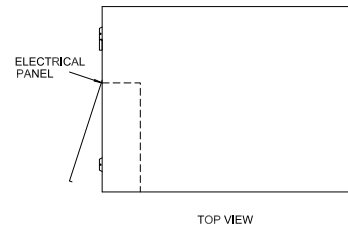
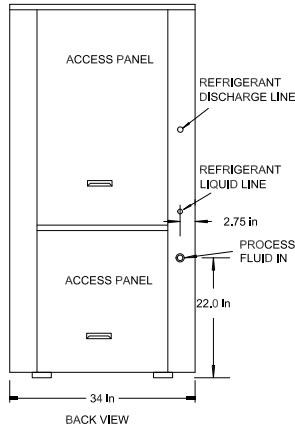
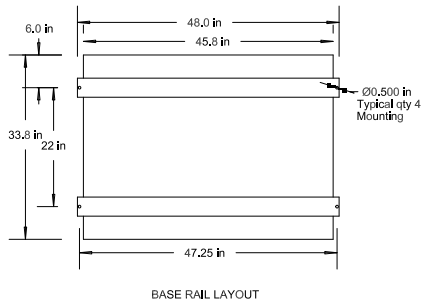
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Split-System, Air-Cooled 7 Ton Chiller

Product Dimensional Drawing

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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 LBS. | Condenser Selection |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|-----------|------|------------------------|-----|--------|----------------|---------------------|-------------|---------------------|
| | | | | Voltage | Phase | Freq. | Qty. | HP | | | Qty. | FLA. | | | | | | | |
| IEZAT7SF5 | 46 | 34 | 69 | 208/230V | 3 | 60Hz | 1 | 8 | 29.6 | 224 | 2 | 3.8 | 5.4 | 50 | 70 | 50 | 1 1/4" FPT | 1100 | 0C7S |
| IEZAT7SH5 | | | | 460V | 3 | 60Hz | | | 13.2 | 99 | | 1.5 | 1.4 | 30 | 40 | | | | |
| IEZAT7SI5 | | | | 575V | 3 | 60Hz | | | 10.5 | 82.4 | | 1.72 | 1 | 20 | 25 | | | | |

* = Requires the use of glycol. **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 |
| 7S | ZB57KCE | *42.0 | 6.0 | 5.9 | 11.1 | 5.9 | 6.6 | 9.8 | 5.7 | 6.9 | 9.1 | 5.4 | 7.3 | 8.5 | 5.2 | 7.7 | 8.0 |
| | | *44.0 | 6.3 | 6.0 | 11.4 | 6.1 | 6.6 | 10.0 | 5.9 | 7.0 | 9.4 | 5.7 | 7.3 | 8.8 | 5.4 | 7.7 | 8.2 |
| | | 45.0 | 6.4 | 6.0 | 11.6 | 6.3 | 6.7 | 10.2 | 6.1 | 7.0 | 9.6 | 5.9 | 7.4 | 9.0 | 5.6 | 7.8 | 8.4 |
| | | 50.0 | 7.2 | 6.2 | 12.3 | 6.9 | 6.8 | 10.8 | 6.8 | 7.2 | 10.2 | 6.6 | 7.5 | 9.6 | 6.3 | 7.9 | 9.0 |

- 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.