



*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: IEZAT7D

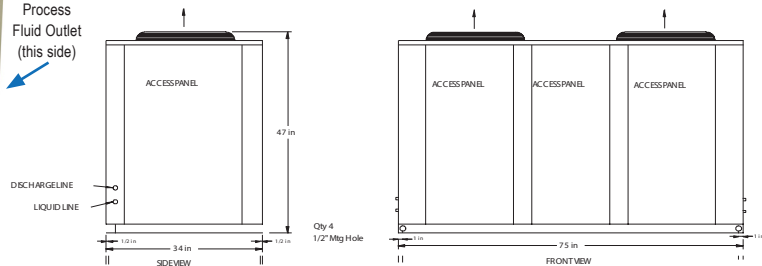
Split-System, Air-Cooled 7 Ton Chiller

with Stainless Steel Tank



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

Condenser Model (OC7D)



OC Refrigerant Connections: Discharge Line- 5/8" (2), Liquid Line- 1/2" (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 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**



*Easy to Use
Touch Screen Display
on ALL J&M 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 on primary compressor
- 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 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
- Door Mounted HMI with weather proof cover

Tank Options

- Storage tank sight glass
- Tank low liquid level indicator with dry contacts
- Auto Tank Fill

J&M FLUIDICS, INC. – PRODUCT DATA SHEET



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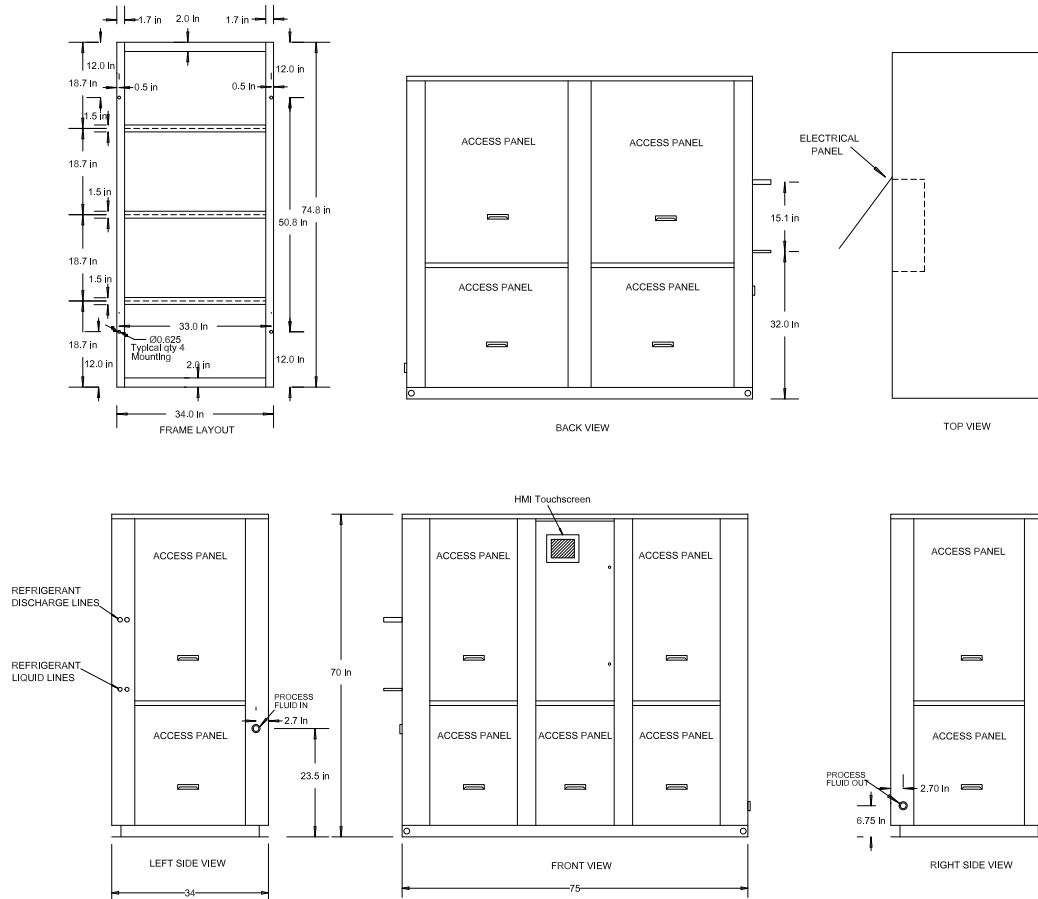
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Split-System, Air-Cooled 7 Ton Chiller

Product Dimensional Drawing

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Dimensional & Electrical Table (Dual 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 | Condenser Model |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|-----------|------|------------------------|-----|--------|----------------|---------------------|---------------|-----------------|
| | | | | Voltage | Phase | Freq. | Qty. | HP | | | Qty. | FLA | | | | | | | |
| IEZAT7DE5 | 75 | 34 | 70 | 208/230V | 1 | 60Hz | 2 | 4 | 21.8 | 137 | 2 | 3.8 | 6.6 | 70 | 80 | 50 | 1.25" FPT | 1350 | OC7D |
| IEZAT7DF5 | | | | 208/230V | 3 | 60Hz | | | 15.4 | 114 | | 3.8 | 6.6 | 50 | 60 | | | | |
| IEZAT7DH5 | | | | 460V | 3 | 60Hz | | | 7.1 | 58 | | 1.5 | 1.7 | 25 | 25 | | | | |
| IEZAT7DI5 | | | | 575V | 3 | 60Hz | | | 5.2 | 43 | | 1.72 | 1 | 20 | 20 | | | | |

* = 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 |
| 7D | ZS29KAE | *42.0 | 6.3 | 7.1 | 9.8 | 5.9 | 7.8 | 8.7 | 5.8 | 8.2 | 8.2 | 5.6 | 8.5 | 7.7 | 5.4 | 8.9 | 7.2 |
| | | *44.0 | 6.5 | 7.2 | 10.1 | 6.2 | 7.9 | 9.0 | 6.0 | 8.3 | 8.5 | 5.9 | 8.6 | 7.9 | 5.7 | 9.0 | 7.5 |
| | | 45.0 | 6.7 | 7.3 | 10.3 | 6.3 | 7.9 | 9.1 | 6.2 | 8.3 | 8.6 | 6.0 | 8.7 | 8.0 | 5.8 | 9.1 | 7.6 |
| | | 50.0 | 7.4 | 7.4 | 10.9 | 7.0 | 8.1 | 9.7 | 6.7 | 8.4 | 9.1 | 6.6 | 8.8 | 8.6 | 6.4 | 9.2 | 8.1 |

- 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.