

PRODUCT DATA SHEET

Model: IEZAT9S
Split-System Air-Cooled
9 Ton Chiller



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

with Stainless Steel Tank

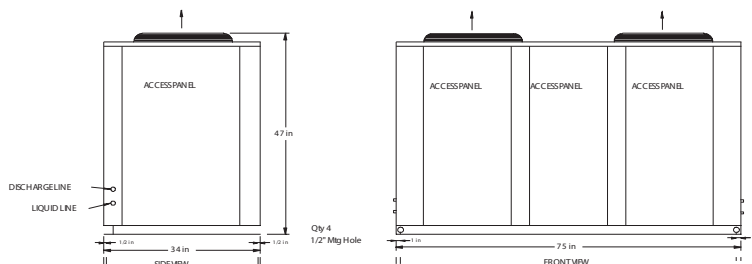


STANDARD ON ALL LEGACY CHILLER MODELS:
Pentra Microsmart, Programmable Logic Controller (PLC)
with HMI Touch Screen Display.



User-Friendly
Touch Screen
Display

Condenser Model (OC9S)



OC Refrigerant Connections: Discharge Line- 7/8", Liquid Line- 5/8"

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
- Extended warranty: See your quote or latest IOM booklet revision

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

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 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

PRODUCT DATA SHEET

Model: IEZAT9S
Split-System Air-Cooled
9 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 LBS. | Condenser Selection |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|-----------|------|------------------------|-----|-------|----------------|---------------------|-------------|---------------------|
| | | | | Voltage | Phase | Freq. | Qty. | HP | | | Qty. | FLA. | | | | | | | |
| IEZAT9SF5 | 75 | 34 | 70 | 208/230V | 3 | 60Hz | 1 | 10 | 37.2 | 239 | 2 | 3.8 | 7.9 | 70 | 90 | 80 | 1.25" FPT | 1250 | 0C9S |
| IEZAT9SH5 | | | | 460V | 3 | 60Hz | | | 17.2 | 125 | | 1.5 | 2.5 | 30 | 40 | | | | |
| IEZAT9SI5 | | | | 575V | 3 | 60Hz | | | 12.4 | 80 | | 1.72 | 1.5 | 25 | 30 | | | | |

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 |
| 9S | ZB76KCE | *42.0 | 8.0 | 8.4 | 10.8 | 7.8 | 9.2 | 9.6 | 7.6 | 9.7 | 9.0 | 7.3 | 10.1 | 8.4 | 7.0 | 10.6 | 7.9 |
| | | *44.0 | 8.4 | 8.5 | 11.1 | 8.1 | 9.3 | 9.8 | 7.9 | 9.7 | 9.2 | 7.6 | 10.2 | 8.7 | 7.4 | 10.7 | 7.2 |
| | | 45.0 | 8.5 | 8.6 | 11.3 | 8.3 | 9.3 | 10.0 | 8.1 | 9.8 | 9.4 | 7.9 | 10.3 | 8.9 | 7.6 | 10.7 | 7.3 |
| | | 50.0 | 9.5 | 8.7 | 12.0 | 9.2 | 9.5 | 10.7 | 8.9 | 10.0 | 10.0 | 7.7 | 10.5 | 9.4 | 8.4 | 10.9 | 7.9 |

* = Requires the use of glycol.

Product Dimensional Drawing

