

# PRODUCT DATA SHEET

Model: IEZAT15D  
Split-System Air-Cooled  
15 Ton Chiller



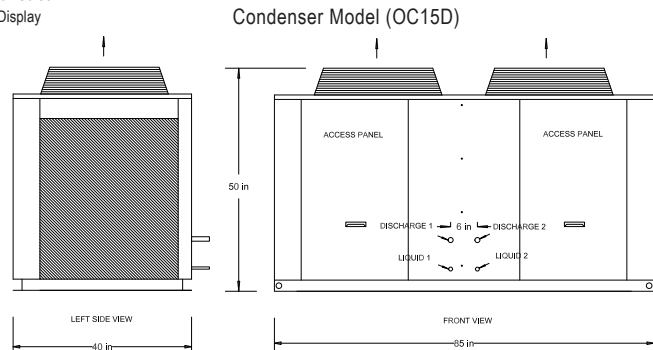
Legacy Chiller Systems  
851 Tech Drive  
Telford, PA 18969  
Toll-Free: (877) 988-5464



## with Stainless Steel Tank



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



OC Refrigerant Connections: Discharge Line- 7/8" (2), Liquid Line- 5/8" (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
- Extended warranty: See your quote or latest IOM booklet revision



Easy to Use  
Touch Screen Display  
on all Legacy Chiller  
Models

### 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 Idc touch screen 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

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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 LBS. | Condenser Selection |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|-----------|------|------------------------|-----|-------|----------------|---------------------|-------------|---------------------|
|                |               |              |               | Voltage  | Phase | Freq. | Qty.       | HP |         |         | Qty.      | FLA. |                        |     |       |                |                     |             |                     |
| IEZAT15DF5     | 85            | 34           | 70            | 208/230V | 3     | 60Hz  | 2          | 9  | 30.1    | 225     | 2         | 3.8  | 3.5                    | 80  | 100   | 80             | 1.5" FPT            | 1800        | 0C15D               |
| IEZAT15DH5     |               |              |               | 460V     | 3     | 60Hz  |            |    | 15.5    | 114     |           | 1.5  | 1.7                    | 40  | 50    |                |                     |             |                     |
| IEZAT15DI5     |               |              |               | 575V     | 3     | 60Hz  |            |    | 12.1    | 80      |           | 1.72 | 1.0                    | 35  | 40    |                |                     |             |                     |

## 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 |
| 15D   | ZB66KCE    | *42.0  | 13.4 | 14.0 | 11.8 | 13.0 | 15.5 | 10.3 | 12.6 | 16.2 | 9.7  | 12.2  | 17.1 | 9.0  | 11.8  | 17.9 | 8.4 |
|       |            | *44.0  | 14.1 | 14.3 | 12.3 | 13.6 | 15.7 | 10.8 | 13.2 | 16.5 | 10.1 | 12.8  | 17.3 | 9.4  | 12.4  | 18.2 | 8.8 |
|       |            | 45.0   | 14.4 | 14.4 | 12.5 | 14.0 | 15.8 | 10.9 | 13.5 | 16.6 | 10.3 | 13.1  | 17.4 | 9.6  | 12.7  | 18.3 | 8.9 |
|       |            | 50.0   | 16.0 | 14.8 | 13.2 | 15.6 | 16.2 | 11.6 | 15.1 | 17.0 | 10.8 | 14.7  | 17.8 | 10.2 | 14.2  | 18.7 | 9.5 |

\* = Requires the use of glycol.

## Product Dimensional Drawing

