

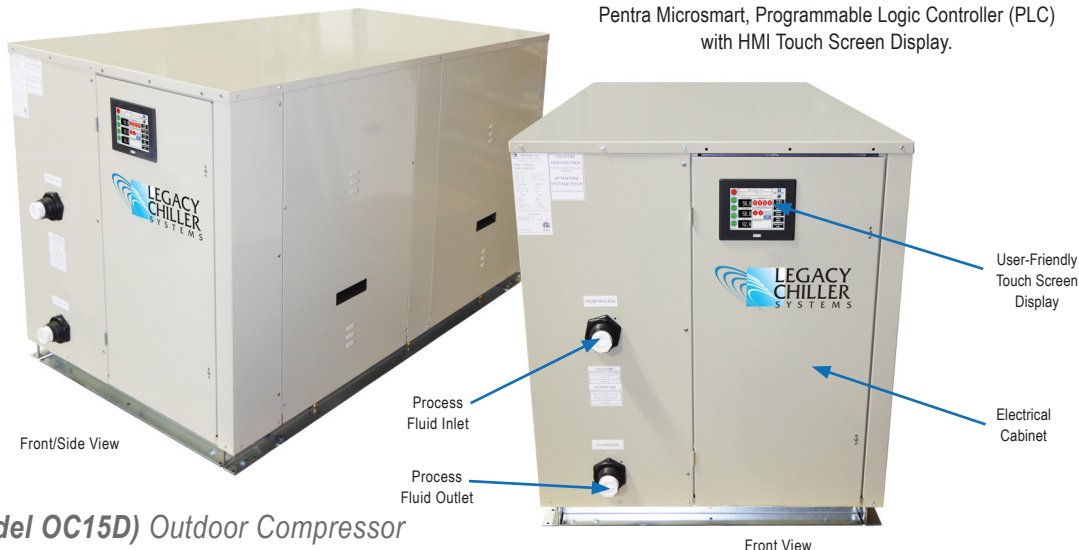
# PRODUCT DATA SHEET

Model: **IEZA15D**  
*Split-System Air-Cooled  
15 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.



*\*Includes (Model OC15D) Outdoor Compressor*

## 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**



## Options:

- **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 High/Low voltage
- Compressor fusing
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure Water flow meter control (-20°F)
- Pump suction isolation valve
- Water pressure gauge set
- Copper finned condenser coil (coastal protection)
- Coastal powder coat paint protection
- **E-Coat Condenser Coil (coastal protection)**
- Water Flow Meter
- Auto city water make up solenoid & auto level switch
- Auto city water changeover panel with filter
- Stainless steel, SCH80 PVC or Polypropylene piping for deionize and reverse osmosis water systems
- 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 LBS. | Condenser Selection |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|-----------|------|-----|-------|---------------------|-------------|---------------------|
|                |               |              |               | Voltage  | Phase | Freq. | Qty.       | HP |         |         | Qty.      | FLA. |     |       |                     |             |                     |
| IEZA15DF5      | 65            | 30           | 37            | 208/230V | 3     | 60Hz  | 2          | 9  | 30.1    | 225     | 2         | 3.8  | 80  | 100   | 1.25" FPT           | 1450        | OC15D               |
| IEZA15DH5      |               |              |               | 460V     | 3     | 60Hz  |            |    | 15.5    | 114     |           | 1.5  | 40  | 50    |                     |             |                     |
| IEZA15DI5      |               |              |               | 575V     | 3     | 60Hz  |            |    | 12.1    | 80      |           | 1.72 | 35  | 40    |                     |             |                     |

## OC15D (Outdoor Condenser Specs)

| Condenser Model | Length Inches | Width Inches | Height Inches | Fan Motor |     | Refrigerant Connections |          | Weight / lbs. |
|-----------------|---------------|--------------|---------------|-----------|-----|-------------------------|----------|---------------|
|                 |               |              |               | Qty.      | HP  | Discharge               | Liquid   |               |
| OC15D           | 85            | 40           | 47            | 2         | 1/2 | 7/8" (2)                | 5/8" (2) | 745           |

## 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   | 15.3 | 14.0 | 11.8 | 14.6 | 15.5 | 10.3 | 14.3 | 16.2 | 9.7  | 13.9  | 17.1 | 9.0  | 13.5  | 17.9 | 8.4 |
|       |            | 44.0   | 16.3 | 14.3 | 12.3 | 15.5 | 15.7 | 10.8 | 15.2 | 16.5 | 10.1 | 14.8  | 17.3 | 9.4  | 14.5  | 18.2 | 8.8 |
|       |            | 45.0   | 16.5 | 14.4 | 12.5 | 15.8 | 15.8 | 10.9 | 15.5 | 16.6 | 10.3 | 15.2  | 17.4 | 9.6  | 14.8  | 18.3 | 8.9 |
|       |            | 50.0   | 17.8 | 14.8 | 13.2 | 17.1 | 16.2 | 11.6 | 16.8 | 17.0 | 10.8 | 16.4  | 17.8 | 10.2 | 16.0  | 18.7 | 9.5 |



## Product Dimensional Drawing

