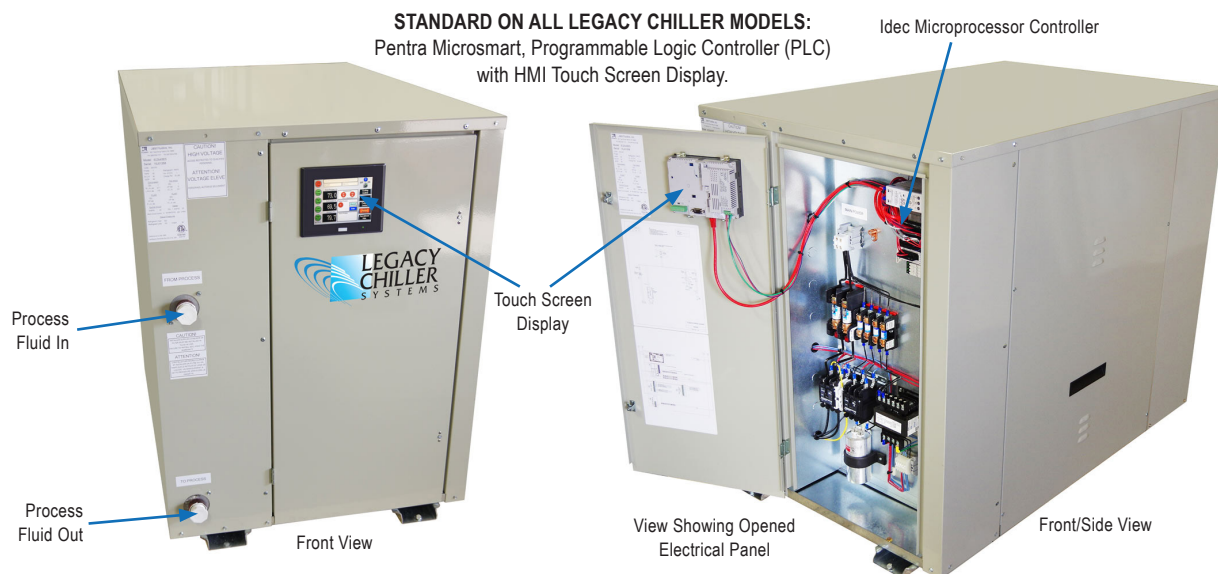


PRODUCT DATA SHEET

Model: **IEZA4.5S**
Split-System Air-Cooled
4.5 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 OC4.5S) Outdoor Condenser*

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
- 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)
- Dual process pump with auto changeover
- 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 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

PRODUCT DATA SHEET

Model: IEZA4.5S
Split-System Air-Cooled
4.5 Ton Chiller



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

Dimensional & Electrical Table (Single 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. | | | | | |
| IEZA4.5SE5 | 44 | 28 | 36 | 208/230V | 1 | 60Hz | 1 | 5 | 25.0 | 129 | 1 | 3.8 | 40 | 60 | 1" FPT | 575 | OC4.5S |

OC4.5S (Outdoor Condenser Specs)

| Condenser Model | Length Inches | Width Inches | Height Inches | Fan Motor | | Refrigerant Connections | | Weight / lbs. |
|-----------------|---------------|--------------|---------------|-----------|-----|-------------------------|--------|---------------|
| | | | | Qty. | HP | Discharge | Liquid | |
| OC4.5S | 46 | 34 | 47 | 1 | 1/2 | 3/4" | 1/2" | 235 |

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 |
| 4.5S | ZB42KCE | 42.0 | 4.8 | 4.3 | 11.2 | 4.6 | 4.8 | 9.7 | 4.4 | 5.1 | 9.0 | 4.3 | 5.4 | 8.4 | 4.2 | 5.8 | 7.7 |
| | | 44.0 | 5.0 | 4.4 | 11.5 | 4.7 | 4.9 | 10.0 | 4.6 | 5.2 | 9.2 | 4.5 | 5.5 | 8.6 | 4.4 | 5.9 | 7.9 |
| | | 45.0 | 5.1 | 4.4 | 11.6 | 4.8 | 4.9 | 10.1 | 4.7 | 5.2 | 9.3 | 4.6 | 5.5 | 8.7 | 4.5 | 5.9 | 8.0 |
| | | 50.0 | 5.5 | 4.6 | 12.3 | 5.3 | 5.1 | 10.7 | 5.1 | 5.4 | 9.8 | 5.0 | 5.5 | 9.2 | 4.8 | 6.1 | 8.5 |



Product Dimensional Drawing

