

PRODUCT DATA SHEET

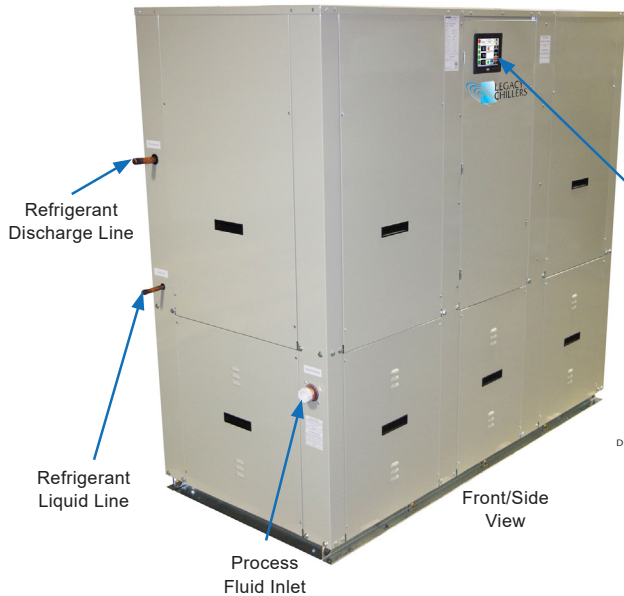
Model: IEZAT15S
Split-System Air-Cooled
15 Ton Chiller



Legacy Chillers, Inc.
851 Tech Drive
Telford, PA 18969
Toll-Free: (877) 988-5464

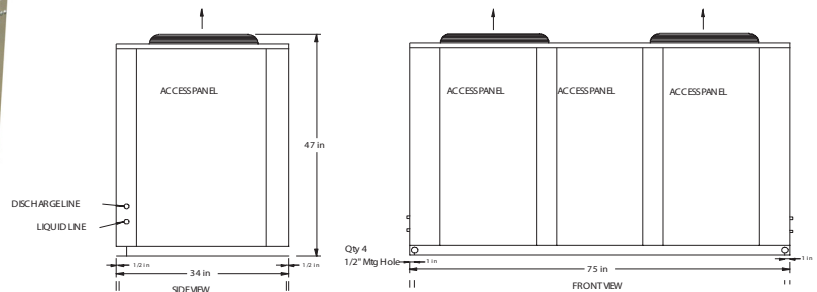
with Stainless Steel Tank

R454A
Refrigerant



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

Condenser Model (OC15S)



OC Refrigerant Connections: Discharge Line- 1 1/8", Liquid Line- 5/8"

Standard Features:

- Conforms to UL 60335-2-40:2022 Ed.4
- UL 60335-1:2016 Ed.6
- CSA C22.2 # 60335-1:2016 Ed.2
- CSA C22.2 # 60335-2-40:2022 Ed.4
- **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**
- Liquid line drier, sight glass, solenoid
- Electronic expansion valve
- Manual high pressure cutout
- **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
- Complete refrigerant charge from factory
- **Factory Performance Test prior to shipment**



Options:

- **VFD Compressor Control** on primary compressor
- **Remote Idec touchscreen control panel**
- **5 Port Ethernet Switch**
- **BacNet Gateway**
- **Process Pump VFD Controller**
- 4 year extended compressor warranty
- 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 weather proof cover

Tank Options

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

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

PRODUCT DATA SHEET

Model: IEZAT15S
Split-System Air-Cooled
15 Ton Chiller



Legacy Chillers, Inc.
 851 Tech Drive
 Telford, PA 18969
 Toll-Free: (877) 988-5464

with Stainless Steel Tank

Dimensional & Electrical Table (Single Circuit)

| Chiller Model | Nominal BTUH | Length Inches | Width Inches | Height Inches | Power | | | Compressor Qty. | RLA ea. | LRA ea. | Fan Motor | | Recirculation Pump FLA | MCA | MOP | Reservoir Gal. | Chiller Fluid Conn. | Weight Pounds | Condenser Model |
|---------------|--------------|---------------|--------------|---------------|---------|-------|-------|-----------------|---------|---------|-----------|---------|------------------------|-----|-----|----------------|---------------------|---------------|-----------------|
| | | | | | Voltage | Phase | Freq. | | | | Qty. | FLA ea. | | | | | | | |
| IEZAT15SF7 | 171500 | 75 | 34 | 70 | 208/230 | 3 | 60 | 1 | 56.5 | 321 | 2 | 3.8 | 4.7 | 83 | 125 | 80 | 1.25 "FPT | 1325 | OC15S |
| IEZAT15SH7 | | | | | 460 | 3 | 60 | | 24.4 | 179 | | 1.5 | 2.1 | 36 | 60 | | | | |
| IEZAT15SI7 | | | | | 575 | 3 | 60 | | 18.8 | 145 | | 1.72 | 1.7 | 29 | 45 | | | | |

Capacity Table (Refrigerant R454A)

| Model | COMPRESSOR | AMB (°F) | 80 | | | 90 | | | 95 | | | 100 | | | 105 | | |
|-------|------------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| | | LWT (°F) | TONS | KW | EER | TONS | KW | EER | TONS | KW | EER | TONS | KW | EER | TONS | KW | EER |
| 15S | YB100KAE | 42 | 14.8 | 13.9 | 12.8 | 13.9 | 15.4 | 10.8 | 13.4 | 16.2 | 10.0 | 13.0 | 17.0 | 9.1 | 12.5 | 17.9 | 8.4 |
| | | 44 | 15.4 | 13.9 | 13.3 | 14.5 | 15.4 | 11.3 | 14.0 | 16.2 | 10.4 | 13.5 | 17.1 | 9.5 | 13.0 | 18.0 | 8.7 |
| | | 45 | 15.8 | 13.9 | 13.6 | 14.8 | 15.4 | 11.5 | 14.3 | 16.2 | 10.6 | 13.8 | 17.1 | 9.7 | 13.3 | 18.0 | 8.9 |
| | | 50 | 16.8 | 13.9 | 14.4 | 15.7 | 15.5 | 12.2 | 15.2 | 16.3 | 11.2 | 14.7 | 17.2 | 10.2 | 14.1 | 18.1 | 9.4 |

- Capacities on this chart are based on refrigerant R454A. 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.



Product Dimensional Drawing

R454A
Refrigerant

