PRODUCT DATA SHEET

Model: **IEZAT15D**

Split-System Air-Cooled
15 Ton Chiller

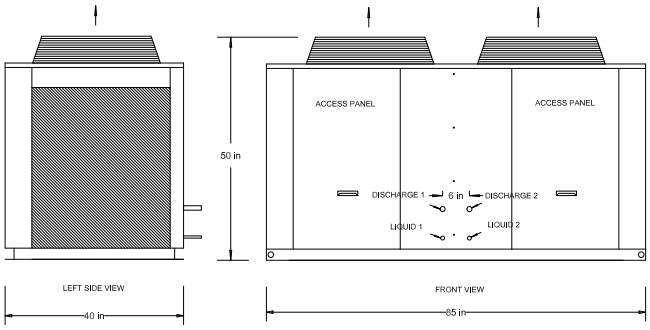
Legacy Chiller Systems
851 Tech Drive
Telford, PA 18969

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.

Condenser Model (OC15D)



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 booket 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 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 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)

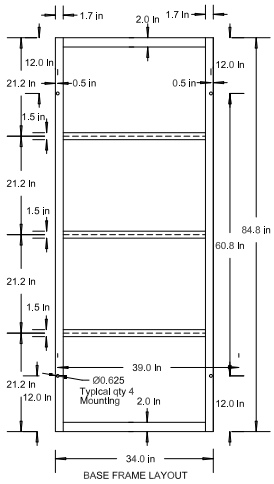
Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA ea.	LRA ea.	Fan Motor		Recirculation Pump FLA	MCA	M.O.P	Reservoir Gal.	Chiller Fluid Conn.	Weight LBS.	Condenser Selection
				Voltage	Phase	Freq.	Qty.	HP			Qty.	FLA.							
IEZAT15DF5	85	34	70	208/230V	3	60Hz	2	9	30.1	225	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				

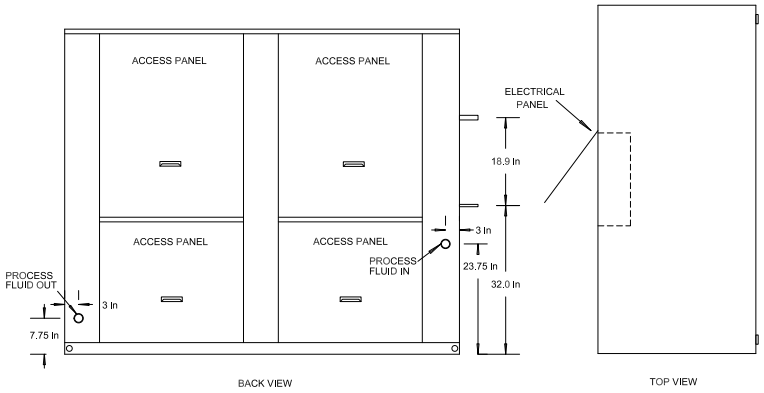
Capacity Table (Refrigerant R407C)

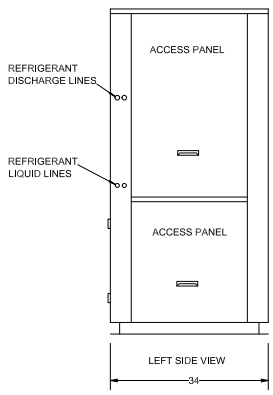
Model	Compressor	LWT °F	80°F			90°F			95°F			100°F			105°F		
			TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER
15D	ZB66KCE	*42.0	13.4	14.0	11.8	13.0	15.5	10.3	12.6	16.2	9.7	12.2	17.1	9.0	11.8	17.9	8.4
		*44.0	14.1	14.3	12.3	13.6	15.7	10.8	**13.2**	**16.5**	**10.1**	12.8	17.3	9.4	12.4	18.2	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

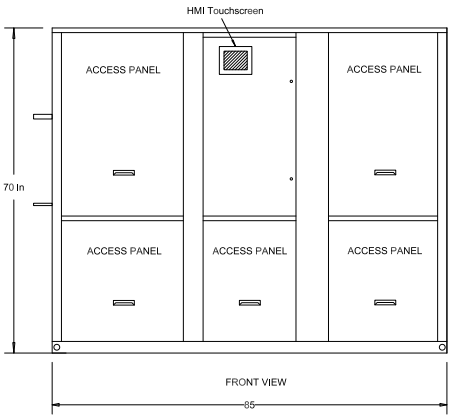
* = Requires the use of glycol.

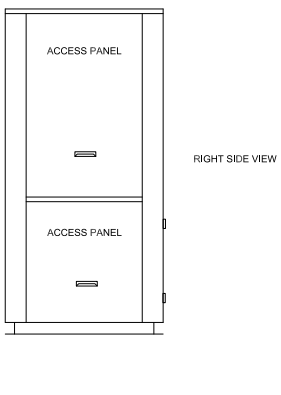
Product Dimensional Drawing











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