

It's All about Building a Better Product for Our Clients!

J&M Fluidics, Inc. 851 Tech Drive Telford, PA 18969

Toll-Free: (888) 539-1731 Fax: 267-203-8786

User-Friendly

Model: IEZA18D

Split-System, Air-Cooled 18 Ton Chiller

STANDARD ON ALL J&M MODELS:

Pentra Microsmart, Programmable Logic Controller (PLC) with HMI Touch Screen Display.





View showing control panel open

*Includes (Model OC18D) Outdoor Condenser

Intertek

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



Easy to Use Touch Screen Display on ALL J&M 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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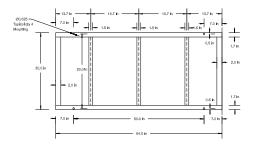
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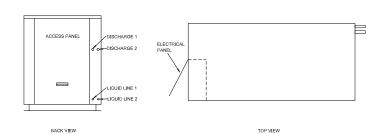
Model: IEZA18D

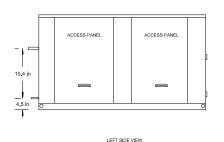
Split-System, Air-Cooled 18 Ton Chiller

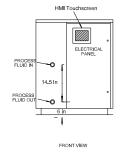
Product Dimensional Drawing

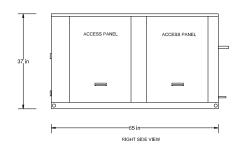
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Dimensional & Electrical Table (Dual Circuit)

Chiller	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA	LRA	Fan Motor				Chiller	Weight	Condenser
Models				Voltage	Phase	Freq.	Qty.	НР	ea.	ea.	Qty.	FLA.	MCA	M.O.P	Fluid Conn.	LBS.	Selection
IEZA18DF5				208/230V	3	60Hz			37.2	239		3.8	100	125			OC15D
IEZA18DH5	65	30	37	460V	3	60Hz	2	10	17.2	125	2	1.5	45	50	1.25" FPT	1450	
IEZA18DI5				575V	3	60Hz			12.4	80		1.72	35	40	'''		

OC18D (Outdoor Condenser Specs)

Condenser	Length	Width Inches	Height Inches	Fan I	Motor	Refrigerant (Weight / Ibs.	
Model	Inches			Qty.	HP	Discharge	Liquid	weight / ibs.
OC18D	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
18D	ZB76KCE	42.0	17.9	16.8	11.7	17.2	18.5	10.3	16.9	19.4	9.7	16.4	20.3	9.0	16.0	21.4	8.4
		44.0	18.5	17.0	12.0	17.7	18.7	10.5	17.3	19.6	9.8	17.0	20.6	9.2	16.5	21.6	8.6
		45.0	18.9	17.1	12.1	18.1	18.8	10.7	17.7	19.7	10.0	17.3	20.7	9.4	16.9	21.7	8.7
		50.0	20.3	17.6	12.8	19.5	19.3	11.3	19.0	20.3	10.4	18.7	21.2	9.9	18.2	22.2	9.2

- 1. Capacities on this chart are based on refrigerant R407C. 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.
- 3. EER = Energy Efficiency Ratio (BTU/watt-hour). Power inputs include compressor (s), condenser fan motor (s) and control power.