



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

J&M Fluidics, Inc.
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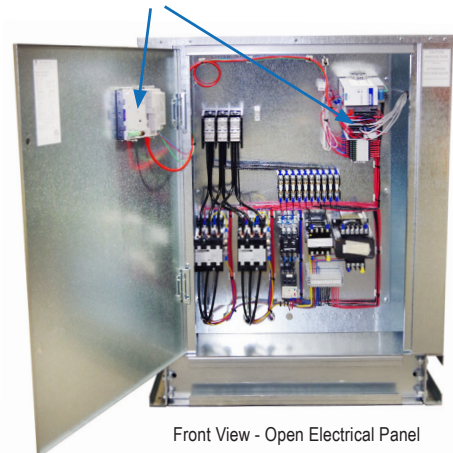
Model: IEZA22M

Split-System Air-Cooled 22 Ton Chiller



**Includes (Model OC22M) Outdoor 2 Fan Condenser*

STANDARD ON ALL J&M CHILLER MODELS:
Pentra Microsmart, Programmable Logic Controller (PLC)
with HMI Touch Screen Display.
(Located on front side of electrical cabinet)



Front View - Open Electrical Panel

Standard Features:

- ETL listed to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011
- Single point power connection
- Idec microprocessor controller with easy to use touch screen display
- STAINLESS STEEL, brazed plate evaporator
- (4) Scroll compressors with crankcase heater
- Suction accumulator
- Water flow switch
- 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
- Galvanized sheet metal frame
- 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**



Options:

- Copeland Digital Scroll Compressor
- Remote Idec touchscreen control panel
- Industrial VPN Router
- 5 Port Ethernet Switch
- BacNet Gateway
- STAINLESS STEEL Process Pump
- Process Pump VFD Controller
- VFD Compressor Control (*Hot Gas Bypass Removed*)
- 4 year extended compressor warranty
- Casters (factory mounted)
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase/voltage monitor
- Compressor fusing
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Flooded cond. w/Heated receiver/head pressure control (-20°F)
- Dual process pumps with auto changeover
- Pump suction isolation valve(s)
- 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
- Door Mounted HMI with weather proof cover



*Easy to Use
Touch Screen Display
on ALL J&M Chiller
Models*

J&M FLUIDICS, INC. – PRODUCT DATA SHEET



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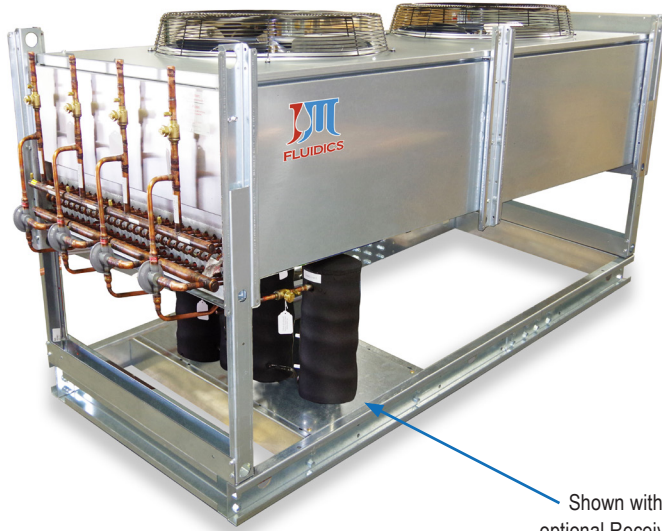
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Split-System Air-Cooled 22 Ton Chiller

Product Dimensional Drawing

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**Includes (Model OC22M)
2 Fan – Outdoor Condenser*



Shown with optional Receivers

Dimensional & Electrical Table

Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA ea.	LRA ea.	Fan Motor		MCA	M.O.P	Chiller Fluid Conn.	Weight Pounds
				Voltage	Phase	Freq.	Qty.	HP			Qty.	FLA.				
IEZA22MF5	176.5	45.5	55	208/230V	3	60Hz	4	6	18.6	156	2	7	93.1	110	2" FPT	1900
IEZA22MH5				460V	3	60Hz			10.3	75		3.5	50.8	60		
IEZA22MI5				575V	3	60Hz			7.1	54		2.8	35.8	40		

Outside Condenser Specs (OC)

Outside Condenser	Length Inches	Width Inches	Height Inches	Fan Motor		Refrigerant Conn.		Weight Pounds
				Qty.	HP	Discharge	Liquid	
OC22M	127	46	49	2	1 1/2	1 1/8" (2)	5/8" (2)	680

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
22M	ZB45KCE	20.0	13.6	16.5	7.9	12.7	18.8	6.6	12.2	20.1	6.0	11.7	21.5	5.4	N/A	N/A	N/A
		25.0	15.4	16.6	8.8	14.4	18.9	7.4	13.8	20.2	6.8	13.3	21.6	6.1	12.7	23.1	5.6
		30.0	17.4	16.8	9.9	16.2	19.0	8.3	15.6	20.3	7.6	15.0	21.7	6.9	14.4	23.2	6.3
		35.0	19.5	16.9	11.0	18.3	19.2	9.3	17.6	20.4	8.6	17.0	21.8	7.8	16.3	23.2	7.1
		42.0	23.2	17.1	13.0	21.8	19.3	11.1	21.1	20.6	10.2	20.4	21.9	9.3	19.6	23.4	8.5
		44.0	24.1	17.1	13.5	22.8	19.4	11.5	22.1	20.6	10.6	21.3	22.0	9.7	20.5	23.4	8.9
		45.0	24.6	17.1	13.8	23.3	19.4	11.8	22.5	20.6	10.8	21.8	22.0	9.9	21.0	23.4	9.1
50.0	27.2	17.2	15.1	25.8	19.5	13.0	25.0	20.8	12.0	24.2	22.1	11.0	23.4	23.5	10.1		