

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

J&M Fluidics, Inc.
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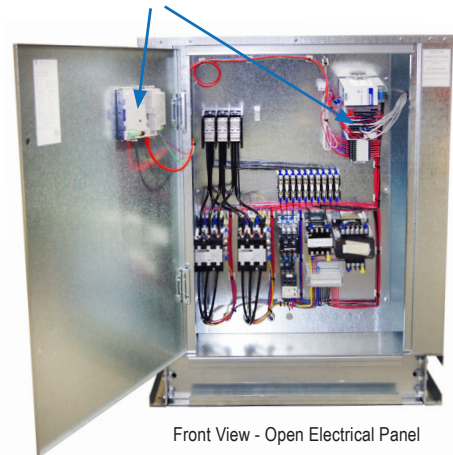
Model: IEZA38M

Split-System Air-Cooled 38 Ton Chiller



**Includes (Model OC38M) Outdoor 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
- Scroll compressor 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:

- 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
- EC condenser fan motors, microprocessor controlled
- 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
- Hot gas by-pass capacity control
- 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



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

J&M FLUIDICS, INC. – PRODUCT DATA SHEET



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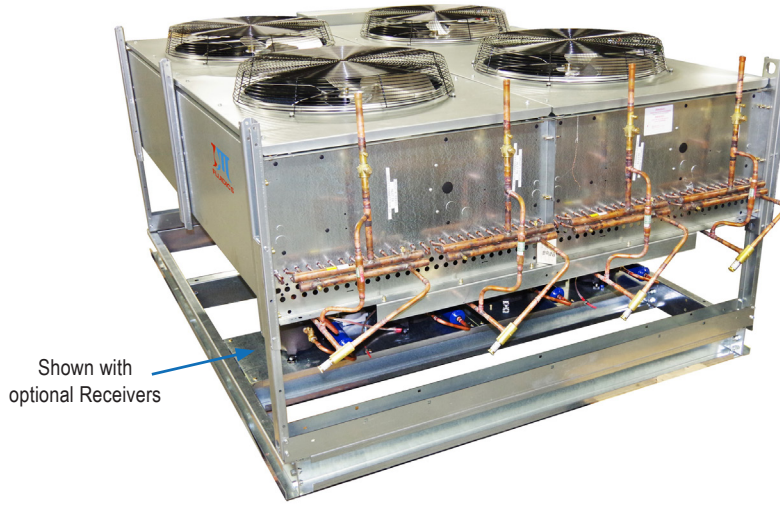
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Split-System Air-Cooled 38 Ton Chiller

Product Dimensional Drawing

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**Includes (Model OC38M)
4 Fan – Outdoor Condenser*



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.				
IEZA38MF5	85	34	45	208/230V	3	60Hz	4	10	37.2	239	4	7	186.1	200	2" FPT	2400
IEZA38MH5				460V	3	60Hz			17.2	125		3.5	87.1	100		
IEZA38MI5				575V	3	60Hz			12.4	80		2.8	63.9	70		

Outside Condenser Specs (OC)

Outside Condenser	Length Inches	Width Inches	Height Inches	Fan Motor		Refrigerant Conn.		Weight Pounds
				Qty.	HP	Discharge	Liquid	
OC38M	127	88	55	4	1.5	7/8"	5/8"	1300

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
38M	ZB76KCE	20.0	22.3	29.0	9.2	20.7	33.2	7.5	20.0	35.4	6.8	19.3	37.4	6.2	18.7	39.6	5.7
		25.0	25.5	29.0	10.6	23.7	33.4	8.5	22.8	35.6	7.7	22.0	37.6	7.0	21.2	39.8	6.4
		30.0	29.2	29.2	12.0	27.0	33.6	9.6	26.0	35.6	8.8	25.0	37.8	7.9	24.0	40.0	7.2
		35.0	33.0	29.2	13.6	30.7	33.6	11.0	29.5	35.8	9.9	28.3	38.0	8.9	27.2	40.4	8.1
		42.0	39.7	29.6	16.1	37.0	34.0	13.1	35.7	36.2	11.8	34.3	38.4	10.7	33.0	40.8	9.7
		44.0	41.3	29.6	16.8	38.7	34.0	13.6	37.3	36.2	12.4	36.0	38.4	11.3	34.7	40.8	10.2
		45.0	42.0	29.8	16.9	39.7	34.0	14.0	38.3	36.2	12.7	36.7	38.6	11.4	35.3	40.8	10.4
50.0	46.7	30.0	18.7	44.0	34.4	15.3	42.7	36.6	14.0	41.0	39.5	12.5	39.7	41.2	11.6		

- 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.
- EER = Energy Efficiency Ratio (BTU/watt-hour). Power inputs include compressor (s), condenser fan motor (s) and control power.