

*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**

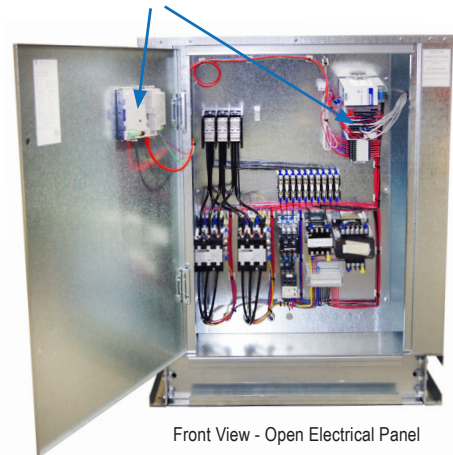
**Model: IEZA28M**

**Split-System Air-Cooled 28 Ton Chiller**

**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)



*\*Includes (Model OC28M) Outdoor Condenser*



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**



*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

# Model: IEZA28M

## Split-System Air-Cooled 28 Ton Chiller

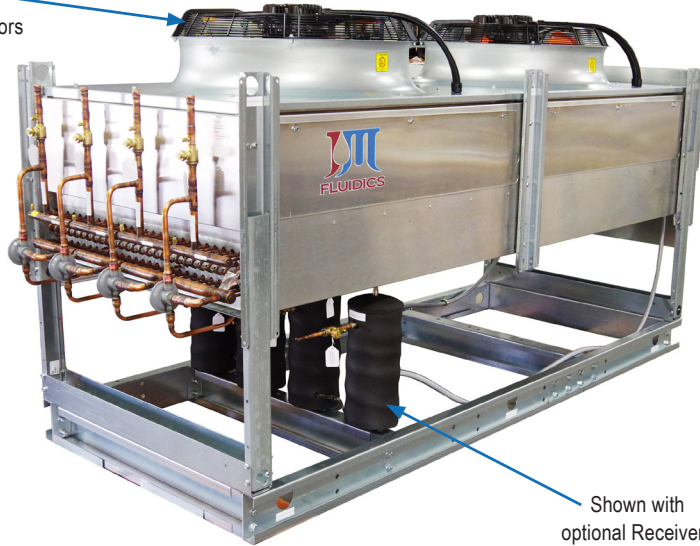
### Product Dimensional Drawing

© Property of J&M Fluidics, Inc.

*\*Includes (Model OC28M)  
2 Fan – Outdoor Condenser*



Shown with optional VFD Fan Motors



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.				
IEZA28MF5	85	34	45	208/230V	3	60Hz	4	6	28.8	195	2	7	136.4	150	2" FPT	2200
IEZA28MH5				460V	3	60Hz			14.7	95		3.5	69.5	80		
IEZA28MI5				575V	3	60Hz			10.8	80		2.8	51.5	60		

### Outside Condenser Specs (OC)

Outside Condenser	Length Inches	Width Inches	Height Inches	Fan Motor		Refrigerant Conn.		Weight Pounds
				Qty.	HP	Discharge	Liquid	
OC28M	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
28M	ZB58KCE	20.0	17.0	22.0	7.7	16.0	24.8	6.6	15.5	26.2	6.1	15.0	27.8	5.6	14.4	29.6	5.1
		25.0	19.2	22.2	8.6	18.0	24.8	7.4	17.5	26.4	6.8	17.0	28.0	6.3	16.3	29.8	5.7
		30.0	21.5	22.2	9.7	20.3	25.0	8.3	19.7	26.6	7.6	19.2	28.2	7.0	18.5	30.0	6.4
		35.0	24.0	22.4	10.7	22.8	25.2	9.2	22.2	26.6	8.6	21.5	28.4	7.8	20.8	30.0	7.2
		42.0	28.5	22.6	12.6	27.2	25.4	10.9	26.3	27.0	10.0	25.7	28.6	9.3	24.8	30.2	8.6
		44.0	29.7	22.8	13.0	28.3	25.4	11.4	<b>27.5</b>	<b>27.0</b>	<b>10.5</b>	26.8	28.6	9.7	26.0	30.4	8.9
		45.0	30.3	22.0	13.3	28.8	25.4	11.6	28.2	27.0	10.7	27.3	28.6	9.9	26.5	30.4	9.1
		50.0	33.3	23.0	14.5	32.0	25.8	12.7	31.2	27.2	11.8	30.3	28.8	10.9	29.5	30.6	10.1