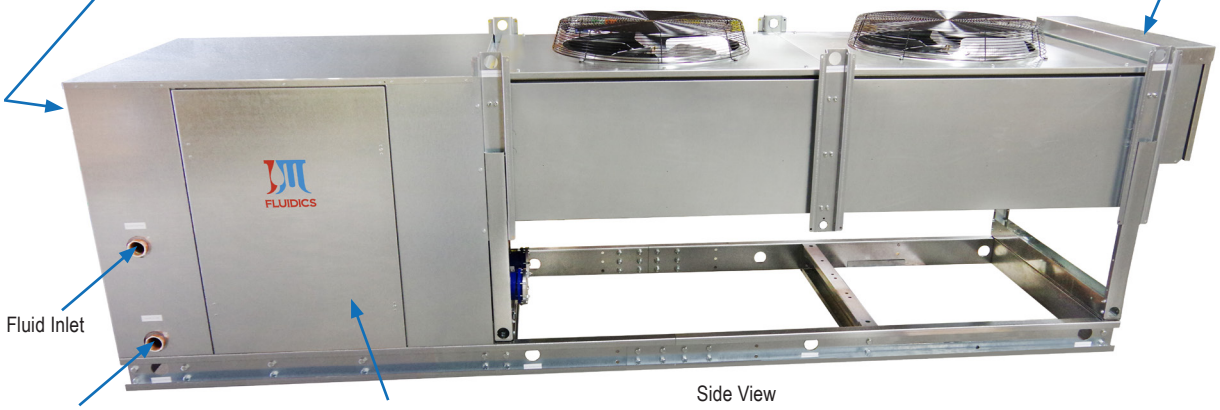
It's All about Building a Better Product for Our Clients!

J&M Fluidics, Inc.
851 Tech Drive
Telford, PA 18969
Toll-Free: (888) 539-1731
Fax: 267-203-8786

Model: PZA22M

Packaged Air-Cooled 22 Ton Chiller

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



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**
- Data Recording Memory Card
- **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
- 1/2" insulation on all water and Low pressure refrigerant lines
- Liquid line drier, sight glass, solenoid,TXV
- Galvanized sheet metal cabinet & frame
- 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
- EC Condenser Fan Motors (micro processor controlled)
- Non Fused Disconnect
- 4 year extended compressor warranty
- 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
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure control (-20°F)
- Factory installed evaporator heat tape freeze protection
- Fused, STAINLESS STEEL process pump
- Dual process pump with manual changeover
- Dual process pump with auto changeover
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- Copper finned condenser coil (coastal protection)
- BohnGuard™ coated condenser coil (coastal protection)
- Epoxy or Phenolic coated fins (coastal protection)
- Door Mounted HMI with weather proof cover

J&M FLUIDICS, INC. – PRODUCT DATA SHEET

FLUIDICS

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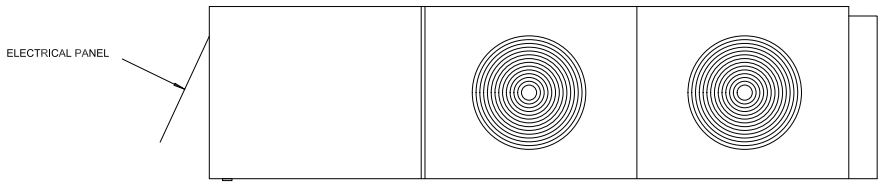
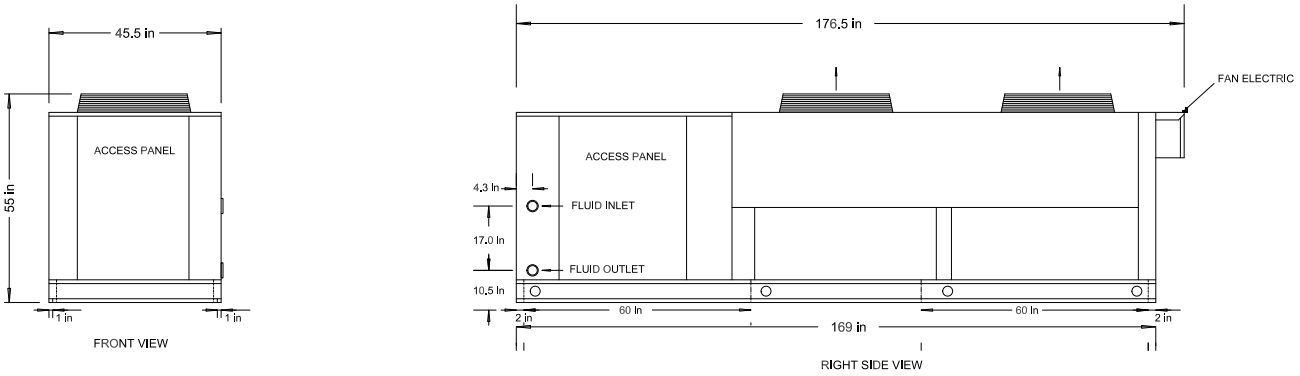
Product Dimensional Drawing

C ETL LISTED US
Intertek



TOP VIEW



FRONT VIEW

RIGHT SIDE VIEW

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.				
PZA22MF5	176.5	45.5	55	208/230V	3	60Hz	4	6	18.6	156	2	7	93.1	110	2" FPT	3490
PZA22MH5				460V	3	60Hz			10.3	75		3.5	50.8	60		
PZA22MI5				575V	3	60Hz			7.1	54		2.8	35.8	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
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

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.
2. 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.