

# PRODUCT DATA SHEET

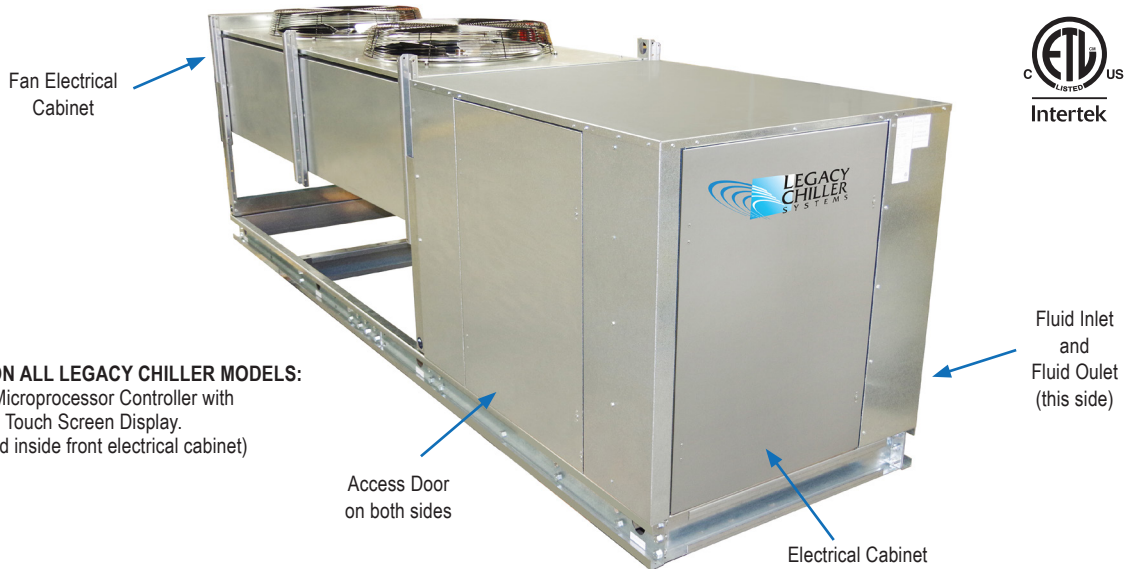
Model: **PZA22M**

*Packaged Air-Cooled  
22 Ton Chiller*



**Legacy Chiller Systems**  
22115 NW Imbrie Dr, Ste 398  
Hillsboro, OR 97124

**Toll-Free: (877) 988-5464**



**STANDARD ON ALL LEGACY CHILLER MODELS:**  
Idec Microprocessor Controller with  
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**
- **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
- 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**
- **5 Year Limited Warranty**

**Easy to Use  
Touch Screen Display  
on all Legacy 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
- Hot gas by-pass capacity control
- 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

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## 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

## Product Dimensional Drawing

