PRODUCT DATA SHEET

Model: **PZA9D**

Packaged Air-Cooled
9 Ton Chiller

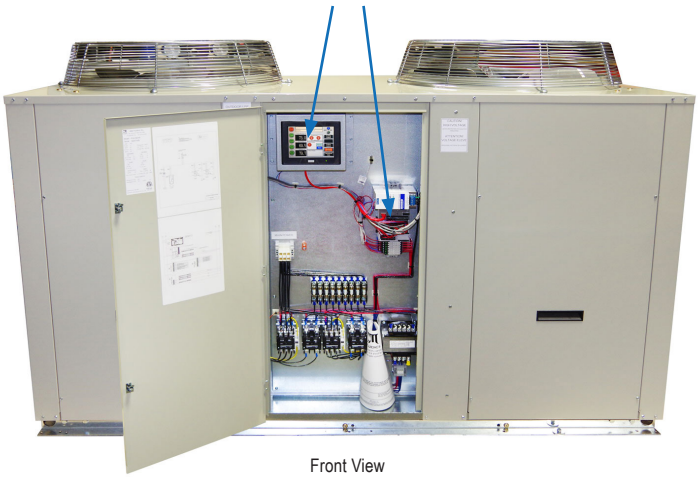
LEGACY CHILLER SYSTEMS

Legacy Chiller Systems
851 Tech Drive
Telford, PA 18969

Toll-Free: (877) 988-5464

Side/Front View

STANDARD ON ALL LEGACY CHILLER MODELS:
Pentra Microsmart, Programmable Logic Controller (PLC)
with HMI Touch Screen Display.



Front View

Intertek

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**
- **STAINLESS STEEL**, brazed plate evaporator
- **Scroll** compressor with crankcase heater
- **Suction accumulator**
- **Water flow switch**
- **Hot gas by-pass capacity control**
- **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
- **Painted (Powder Coated), galvanized sheet metal cabinet**
- 1/2" insulation on all water and Low pressure refrigerant lines
- Liquid line drier, sight glass, solenoid,TXV
- Complete refrigerant charge from factor
- **Factory Performance Test prior to shipment**
- **Extended warranty:** See your quote or latest IOM booket revision

Easy to Use Touch Screen Display on all Legacy Chiller Models

Options:

- **Copeland Digital Scroll Compressor**
- **Remote Idec touchscreen control panel**
- **Industrial VPN Router**
- **5 Port Ethernet Switch**
- **BacNet Gateway**
- **Process Pump VFD Controller**
- **VFD Compressor Control** on primary compressor
- 4 year extended compressor warranty
- Casters (factory mounted)
- 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
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure control (-20°F)
- Dual process pump with auto changeover
- 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 changeover panel with filter
- Door Mounted HMI with weather proof cover

© Property of Legacy Chiller Systems, Inc.

PRODUCT DATA SHEET

Model: **PZA9D**

Packaged Air-Cooled
9 Ton Chiller

Legacy Chiller Systems
851 Tech Drive
Telford, PA 18969

Toll-Free: (877) 988-5464

Dimensional & Electrical Table (Dual Circuit)

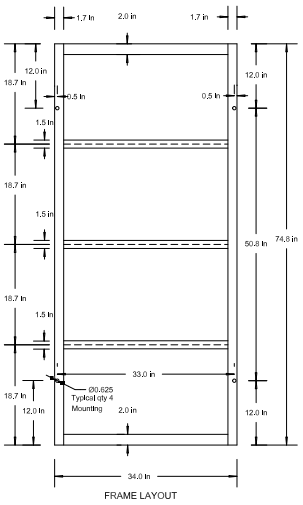
Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA ea.	LRA ea.	Fan Motor		MCA	M.O.P	Chiller Fluid Conn.	Weight Pounds
				Voltage	Phase	Freq.	Qty.	HP			Qty.	FLA.				
PZA9DE5	75	34	50	208/230V	1	60Hz	2	5	27.1	175	2	3.8	70	90	1.25" FPT	900
PZA9DF5				208/230V	3	60Hz			18.6	128		3.8	50	60		
PZA9DH5				460V	3	60Hz			8.0	63		1.5	25	25		
PZA9DI5				575V	3	60Hz			6.3	50		1.72	20	20		

Capacity Table (Refrigerant R407C)

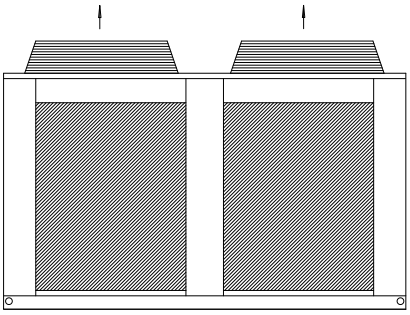
Model	Compressor	LWT °F	80°F			90°F			95°F			100°F			105°F		
			TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER
9D	ZB38KCE	**42.0**	8.8	7.8	11.4	8.3	8.5	10.0	8.1	8.9	9.3	7.9	9.4	8.6	7.7	9.9	8.1
		44.0	9.2	7.8	11.7	8.7	8.6	10.3	**8.5**	**9.0**	**9.6**	8.2	9.5	9.0	8.0	10.0	8.4
		45.0	9.3	7.9	11.9	8.9	8.7	10.4	8.7	9.1	9.8	8.4	9.6	9.1	8.2	10.0	8.5
		50.0	10.2	8.1	12.6	9.7	8.9	11.2	9.4	9.3	10.4	9.2	9.8	9.8	9.0	10.3	9.2

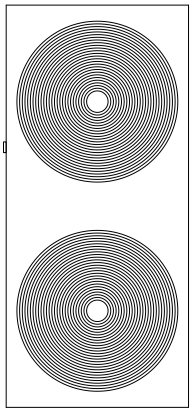
Intertek

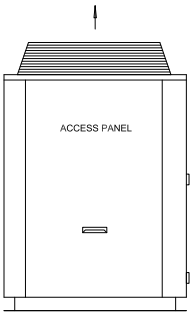
Product Dimensional Drawing



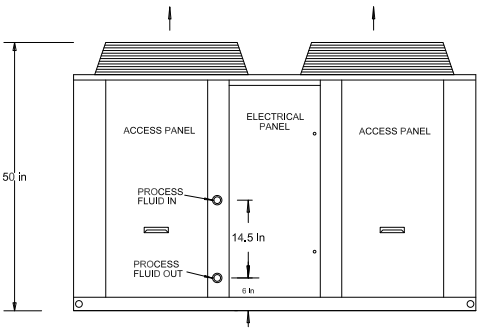
FRAME LAYOUT


BACK VIEW

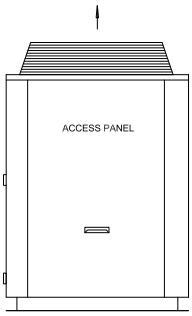

TOP VIEW



LEFT SIDE VIEW
34 in



FRONT VIEW
75 In



RIGHT SIDE VIEW

© Property of Legacy Chiller Systems, Inc.