## PRODUCT DATA SHEET

Model: PZA22D

Packaged Air-Cooled 22 Ton Chiller



**Legacy Chiller Systems** 

851 Tech Drive Telford, PA 18969

Toll-Free: (877) 988-5464



#### **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:**

- · 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

# PRODUCT DATA SHEET

Model: PZA22D

Packaged Air-Cooled 22 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	LRA	Fan Motor				Chiller	Weight
				Voltage	Phase	Freq.	Qty.	НР	ea.	ea.	Qty.	FLA.	MCA	M.O.P	Fluid Conn.	Pounds
PZA22DF5		75	51	208/230V	3	60Hz	2	12	49.4	300	4	3.8	150	175	1.5" FPT	1150
PZA22DH5	66			460V	3	60Hz			23.1	150		1.5	60	80		
PZA22DI5				575V	3	60Hz			19.2	109		1.72	60	70		

### **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
22D	ZB95KCE	42.0	20.9	18.0	12.0	20.0	19.8	10.5	19.4	20.8	9.8	18.9	21.8	9.2	18.5	23.0	8.5
		44.0	21.7	18.2	12.3	20.7	20.0	10.7	20.1	21.0	10.0	19.7	22.0	9.4	19.2	23.2	8.8
		45.0	22.1	18.2	12.5	21.0	20.1	10.9	20.5	21.1	10.2	20.0	22.2	9.6	19.6	23.3	8.9
		50.0	23.8	18.8	13.1	22.8	20.6	11.6	22.1	21.6	10.8	21.7	22.6	10.2	21.3	23.7	9.5



### **Product Dimensional Drawing**

