PRODUCT DATA SHEET

Model: **PSA62D** Packaged Air-Cooled 62 Ton Chiller



Legacy Chiller Systems 851 Tech Drive Telford, PA 18969

Toll-Free: (877) 988-5464

Access Doors on front & both sides

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

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
- STAINLESS STEEL, brazed plate evaporator
- SEMI-HEMETIC compressor with crankcase heater and vibration spring mounting kit
- Compressor discharge and suction pipe vibration eliminators
- Suction Accumulator
- Liquid sight-glass, solenoid, TXV and replaceable core drier
- Water flow switch
- 24V control transformer
- Fan cycle control (+40°F)
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fin, Floating Tube™
- 5 year condenser warranty against tube sheet leaks
- Compressor motor contactor
- · Individual condenser motor contactors and fusing
- Condenser control panel with factory mounted door interrupt disconnect switch
- Galvanized steel sheet metal cabinet
- 1/2 inch insulation on all water and refrigerant lines
- Operating Refrigerant charge from factory
- 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
- 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

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Intertek

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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
PSA62DN5		88	57	200/230V	3	60Hz	2	35	167.9	754	6	7	450	500	3" FPT	6200
PSA62DP5	220			230V	3	60Hz			142.3	594		7	400	500		
PSA62DH5	230			460V	3	60Hz			71.8	297		3.5	200	250		
PSA62DI5				575V	3	60Hz			58.3	245		2.8	150	200		

Capacity Table (Refrigerant R407C)

Model	Compressor	LWT °F	80°F			90°F			95°F			100°F			105°F		
			TONS	KW	EER	TONS	ĸw	EER	TONS	ĸw	EER	TONS	KW	EER	TONS	KW	EER
62D	6DJNR40ME	42.0	74.7	65.6	11.3	67.8	71.0	9.6	64.2	73.8	8.7	60.3	76.6	7.9	56.3	79.6	7.2
		44.0	78.7	66.4	11.8	71.8	71.8	10.0	68.0	74.8	9.1	64.0	77.8	8.3	59.8	81.0	7.5
		45.0	80.7	66.8	12.0	73.7	72.4	10.2	69.8	75.2	9.4	65.7	78.4	8.5	61.5	81.6	7.7
		50.0	90.2	78.6	13.1	82.8	74.4	11.2	78.8	77.6	10.3	74.3	80.8	9.4	69.8	84.4	8.5

Product Dimensional Drawing





