PRODUCT DATA SHEET

Model: **PSA37D**Packaged Air-Cooled

37 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
- 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

Electrical Cabinet

- 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 (Dual Circuit)

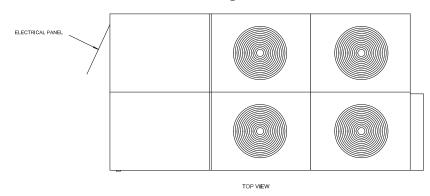
Chiller Models	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA	LRA	Fan Motor				Chiller	Weight
				Voltage	Phase	Freq.	Qty.	НР	ea.	ea.	Qty.	FLA.	MCA	M.O.P	Fluid Conn.	Pounds
PSA37DF5		88	55	208/230V	3	60Hz	2	20	96.2	428	4	7	250	300	2" FPT	4900
PSA37DH5	176.5			460V	3	60Hz			48.1	214		3.5	125	150		
PSA37DI5				575V	3	60Hz			34.8	172		2.8	90	110		

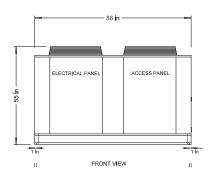
Capacity Table (Refrigerant R407C)

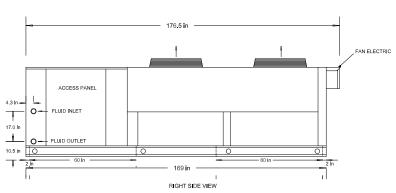
Model	Compressor	LWT °F	80°F			90°F			95°F			100°F			105°F		
			TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER
37D	4DHNR22ME	42.0	41.0	37.5	10.6	36.8	40.2	9.0	34.8	41.4	8.3	32.8	42.6	7.6	31.1	43.8	7.0
		44.0	43.2	38.0	11.0	38.7	40.8	9.3	36.5	42.0	8.6	34.3	43.4	7.8	32.5	44.6	7.2
		45.0	44.2	38.3	11.2	39.5	41.0	9.5	37.3	42.4	8.7	35.2	43.6	8.0	33.3	44.8	7.4
		50.0	50.2	40.8	12.3	44.7	42.6	10.3	42.0	44.0	9.5	39.5	45.4	8.7	37.2	46.6	8.0

Product Dimensional Drawing









Qty 8 Mounting .438 Dia