

PRODUCT DATA SHEET

Model: **PSW45D**

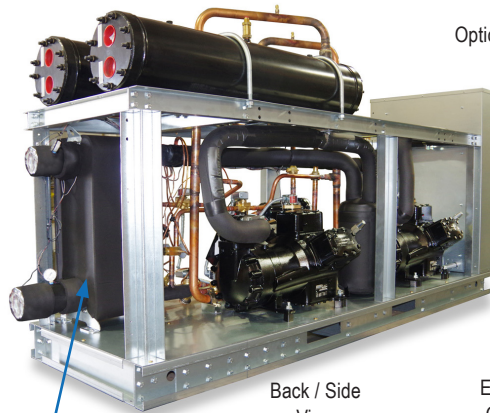
*Packaged Water-Cooled
45 Ton Chiller*



Legacy Chillers, Inc.

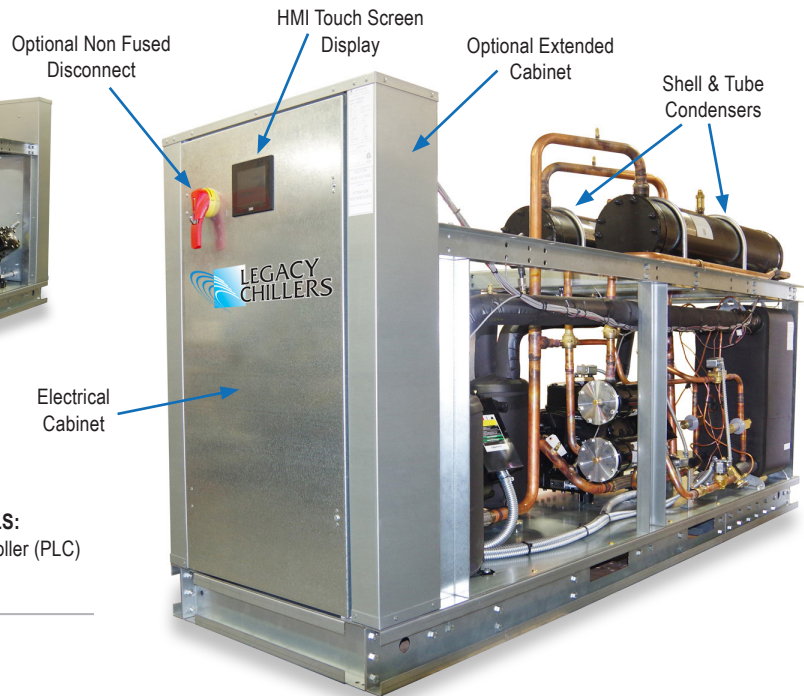
851 Tech Drive
Telford, PA 18969

Toll-Free: (877) 988-5464



Insulated Stainless Steel
Brazed Plate Evaporator

Back / Side
View



Optional Non Fused
Disconnect

HMI Touch Screen
Display

Optional Extended
Cabinet

Shell & Tube
Condensers

Electrical
Cabinet



STANDARD ON ALL LEGACY MODELS:

Pentra Microsmart, Programmable Logic Controller (PLC)
with HMI Touch Screen Display.

Standard Features:

- **ETL listed** to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011
- **Semi Hermetic compressors with crankcase heater**
- **IDEC Microprocessor controller with touch screen interface**
- **STAINLESS STEEL** brazed plate evaporator
- Shell & Tube Condensers
- Suction accumulator
- Water flow switch
- Liquid line drier, sightglass, solenoid, TEV
- 1/2" insulation on all water and refrigerant lines
- Full refrigerant charge from factory
- NEMA 3R Control Panel
- 24V control transformer
- Compressor motor contactor
- Control circuit fusing
- Galvanized framed cabinet
- **Computerized factory run test under load conditions prior to shipment**

*Easy to Use
Touch Screen Display
on all Legacy Chiller
Models*



Options:

- Fused **STAINLESS STEEL** system process pump
- Condenser water regulation valves (shipped loose)
- Water pressure gauge set
- Factory installed evaporator heat tape freeze protection thermostatically controlled
- Compressor fusing
- 4 Year extended compressor warranty
- 115 volt service outlet (rain tight)
- Fused disconnect (shipped loose)
- Phase monitor

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Dimensional & Electrical Table (Dual Circuit)

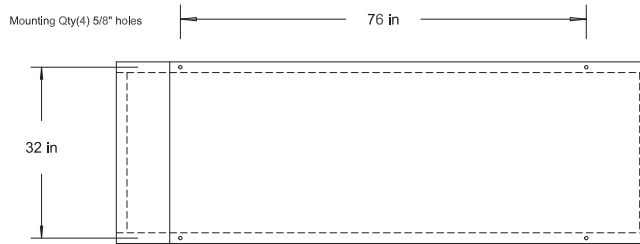
Chiller Models	85°F Cond Water 45°F LWT	Length Inches	Width Inches	Height Inches	Power			Compressor		RLA ea.	LRA ea.	MCA	M.O.P	Chiller Fluid Conn.	Weight Pounds
					Voltage	Phase	Freq.	Qty.	HP						
PSW45DF5	638,000	112	34	54	208/230V	3	60Hz	2	25	110.3	565	250	350	2.5" FPT	2240
PSW45DH5					460V	3	60Hz			55.8	260	150	175		
PSW45DI5					575V	3	60Hz			44.9	230	110	125		

Capacity Table (Refrigerant R407C)

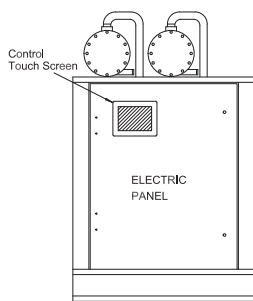
Model	Compressor	LWT °F	105°F		
			TONS	KW	EER
45D	6DBNR32ME	42.0	50.2	47.6	12.65
		44.0	52.2	48.0	13.04
		45.0	53.2	48.2	13.24
		50.0	58.2	48.6	14.36

- Capacities on this chart are based on refrigerant R407C. Lower leaving water or low ambient can require the use of a glycol solution or other fluid blends. These solutions affect unit capacities. Please consult the factory on these or other special fluids.
- KW input is for compressor(s) only.
- EER = Energy Efficiency Ratio (BTU/watt-hour). Power inputs include compressor (s), condenser fan motor (s) and control power.

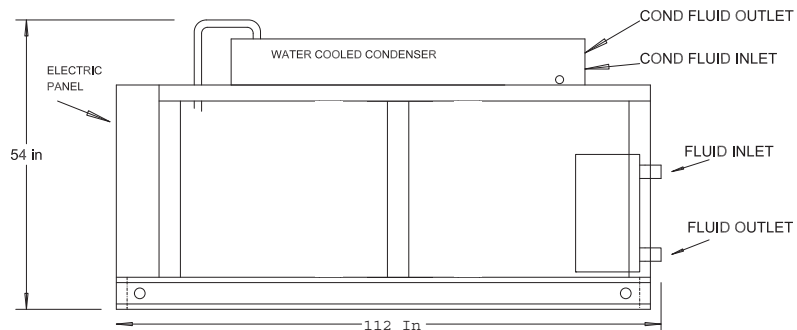
Product Dimensional Drawing



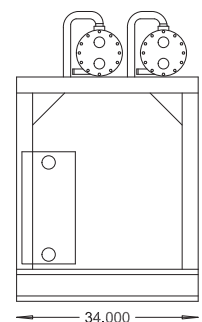
TOP VIEW



FRONT VIEW



SIDE VIEW



BACK VIEW