

PRODUCT DATA SHEET

Model: **PSW55D**

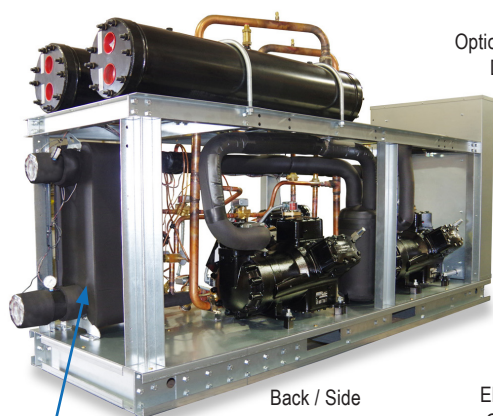
*Packaged Water-Cooled
55 Ton Chiller*



Legacy Chillers, Inc.

851 Tech Drive
Telford, PA 18969

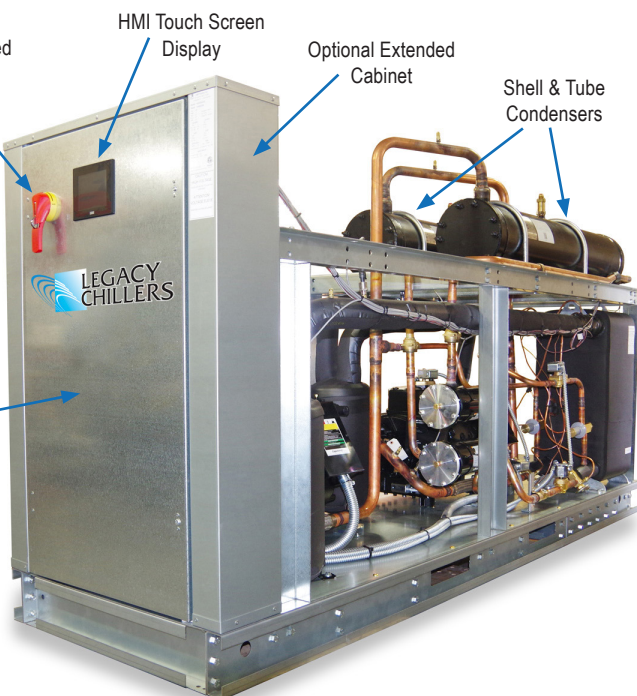
Toll-Free: (877) 988-5464



Insulated Stainless Steel
Brazed Plate Evaporator

Back / Side
View

Electrical
Cabinet



Optional Non Fused
Disconnect

HMI Touch Screen
Display

Optional Extended
Cabinet

Shell & Tube
Condensers



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						
PSW55DN5	750,000	112	34	54	200V	3	60Hz	2	30	155.1	650	350	500	3" FPT	2490
PSW55DP5					230V	3	60Hz			141.7	594	350	450		
PSW55DH5					460V	3	60Hz			73.7	315	175	225		
PSW55DI5					575V	3	60Hz			51.6	245	125	150		

Capacity Table (Refrigerant R407C)

Model	Compressor	LWT °F	105°F		
			TONS	KW	EER
55D	6DGNR37ME	42.0	58.5	58.8	11.94
		44.0	61.2	59.4	12.36
		45.0	62.5	59.8	12.54
		50.0	69.0	60.8	13.62

- 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

