

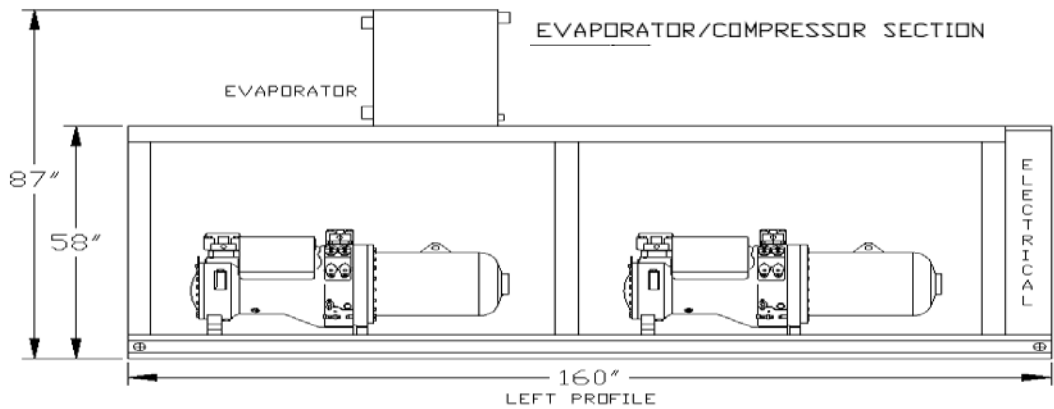
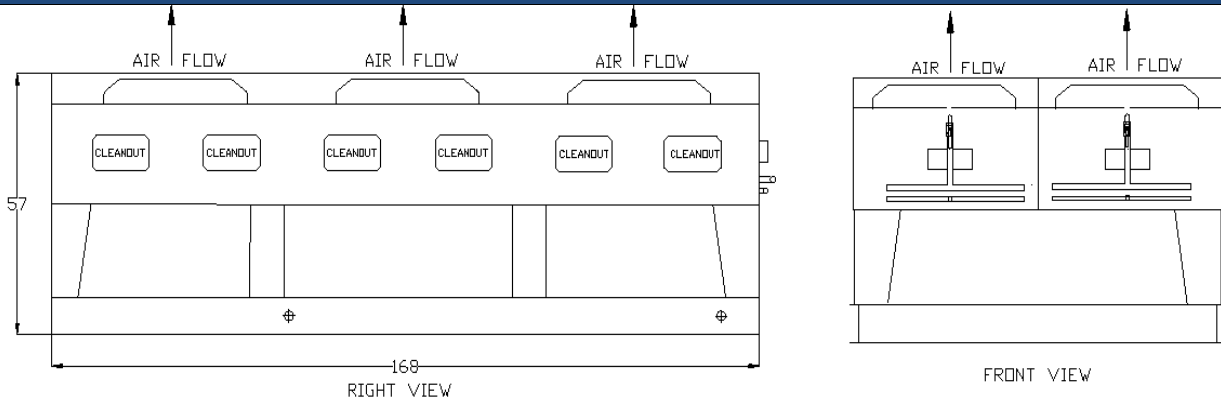


®

ES/CS800D-T

AIR-COOLED 80 HP DUAL CIRCUIT SCREW

DIMENSIONAL DRAWINGS



PRODUCT PERFORMANCE INFORMATION

REFRIGERANT	COMPRESSOR OPER. TEMP. SUCTION RANGE	°F	75 COND		80 COND		85 COND		90 COND		95 COND	
			LFT	TONS	EER	TONS	EER	TONS	EER	TONS	EER	TONS
R407C	10°F to 55°F	20	39.8	11.0	36.9	8.5	34.1	6.9	32.4	6.1	30.5	5.4
		35	53.4	14.3	50.9	11.0	48.4	9.2	46.8	8.4	45.0	7.6
		45	63.6	17.4	61.3	13.0	58.9	10.9	57.4	10.0	55.7	9.1
		55	74.8	22.4	72.7	15.7	70.5	12.9	69.0	11.8	67.3	10.7
		65	87.1	32.4	85.2	19.8	83.1	15.7	81.7	14.1	80.0	12.8
R404A	-10°F to 45°F	0	33.9	7.3	30.5	5.6	27.9	4.6	26.4	4.2	24.8	3.8
		10	41.8	8.6	38.1	6.6	35.1	5.5	33.5	5.0	31.8	4.5
		25	55.5	11.0	51.2	8.5	47.8	7.0	46.0	6.4	44.0	5.8
		40	71.7	14.1	66.8	10.9	62.9	9.0	60.8	8.2	58.5	7.4
		55	90.5	18.5	84.9	14.2	80.5	11.7	78.0	10.6	75.5	9.6

DRAKE REFRIGERATION INC
 2900 SAMUEL DRIVE
 BENSALEM, PA 19020
 (888) 289-7299
www.drakechillers.com

*ALL INFORMATION **FOR REFERENCE ONLY**



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AIR-COOLED 80 HP DUAL CIRCUIT SCREW

STANDARD FEATURES	
FEATURE	BENEFIT
Listings	ETL 3046941, UL STD 1995, CAN/CSA STD, C22.2 No. 236
Advanced Microprocessor	BMS, BAS communications, remote access, monitoring services
Hanbell Screw Compressor	Robust, long lasting, rebuildable compressor with 3 year standard warranty
Infinitely Variable Capacity Control	Allows for soft-start and stepless capacity control from 17-100%
Compressor Crankcase Heater	Prevents compressor damage caused by liquid refrigerant on startup
Suction Accumulator	Protects the compressor from damage caused by liquid flood back
Stainless Steel Brazed Plate Condenser	Fully insulated and selected upon application requirements
Stainless Steel Brazed Plate Evaporator	Fully insulated and selected upon application requirements
Water Flow Switch	Protects against process fluid freezing caused by fluid pump failure
Compressor Vibration Eliminators	Eliminates vibration transfer and reduces noise
Galvanized Steel Metal Cabinet	Sturdy, corrosion resistance, professional appearance
Insulated Process Fluid Lines	Maximum thermal efficiency
Factory Tested	Ensure unit meets performance design criteria and arrives in working order
Electronic Expansion Valves	Added consistency, efficiency, and control
Full Refrigerant Charge	Hassle free and more efficient installation
NEMA 3R Rated Electrical	Indoor/outdoor use

AVAILABLE OPTIONS	
OPTIONS	AVAILABLE
Extended Warranty	5 year extended compressor warranty available (+2 years)
Electrical	Compressor fusing, phase monitors, disconnects and more
Stainless Steel Pumps	On board pumps in multiple configurations & options
Shell and Tube Condenser or Evaporator	Fully insulated and selected upon application requirements
Fluid Piping Upgrades	Flow meters, pressure gauges, low flow bypass valves, and more
Hot Gas Bypass	Aids in the prevention of evaporator freeze ups and capacity control
Marine Enviroments	Marine-duty condensers for salt water applications
Low Ambient Protection	Water regulating valves for varying condenser water temperatures
Other	Service outlets, evaporator heat tape, etc.

More options and customization available, contact factory for information: (888) 289 - 7299

AVAILABLE MODEL NUMBER VOLTAGE REFERENCE	
T3 (208-230/3/60) --- T4 (460/3/60) --- T5 (575/3/60)	

PRODUCT INFORMATION										
MODELS AVAILABLE		COMPRESSOR		POWER			MCC EACH	LRA EACH	FAN MOTOR	
R407C	R404A	MODEL	QTY	VOLTAGE	PHASE	FREQ			FLA EA	QTY
		RC2-100B	2	208-230V	3	60 Hz	142	460	6.6	-
				460V	3	60 Hz	68	240	3.1	
				575V	3	60 Hz	54	190	2.5	
		RC2-100B	2	208-230V	3	60 Hz	142	460	6.6	-
				460V	3	60 Hz	68	240	3.1	
				575V	3	60 Hz	54	190	2.5	

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