



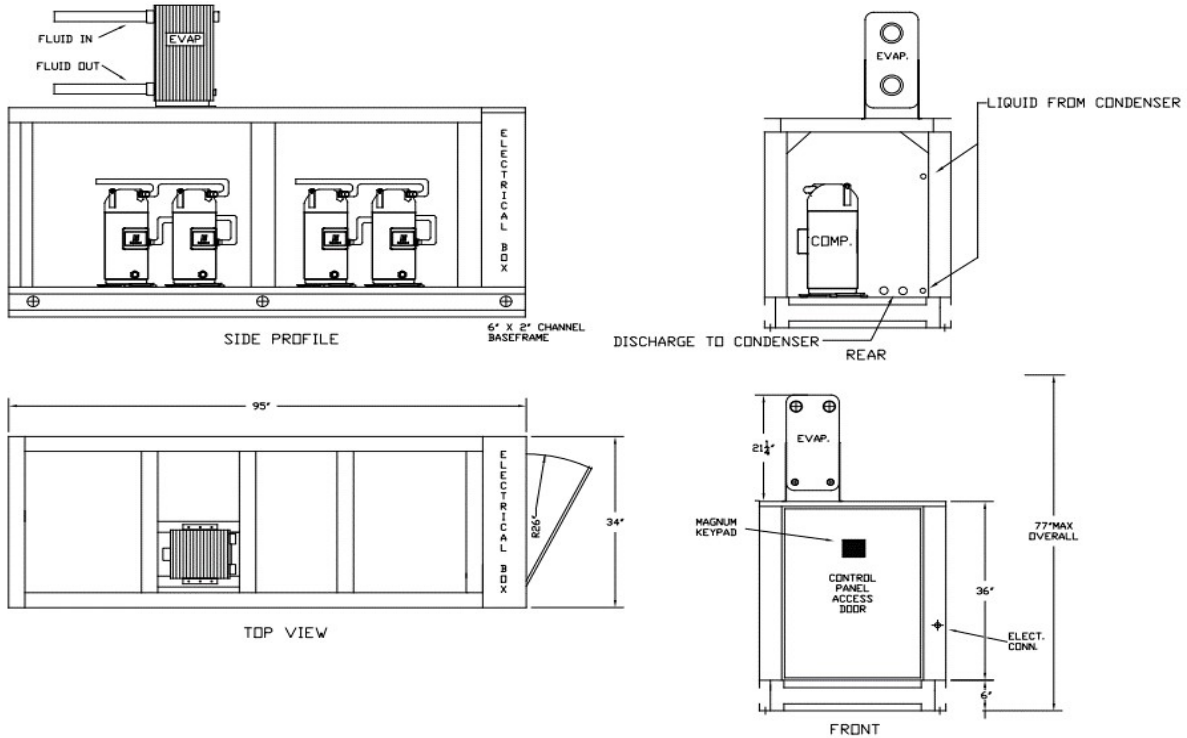
®

ES490Q-Z

SPLIT-SYSTEM AIR-COOLED 44 HP DUAL-CIRCUIT TANDEM SCROLL

DIMENSIONAL DRAWINGS

EVAPORATOR SECTION - ES490Q



LENGTH	WIDTH	HEIGHT	WEIGHT	FLUID CONNECTIONS	R407C CONNECTIONS	
					DISCHG	LIQUID
95"	34"	77" MAX	2600 LBS	2-1/2" F-NPT	1 3/8"	7/8"

PRODUCT PERFORMANCE INFORMATION

REFRIGERANT	COMPRESSOR OPER. SUCTION TEMP. RANGE	LFT °F	70 °F AMB		85 °F AMB		95 °F AMB		100 °F AMB		105 °F AMB	
			TONS	KBTU/H	TONS	KBTU/H	TONS	KBTU/H	TONS	KBTU/H	TONS	KBTU/H
R407C	10°F to 55°F	20	27.0	324	24.4	293	22.5	270	21.5	257	20.4	245
		35	38.7	465	35.6	428	33.3	400	32.1	385	30.8	369
		45	48.2	579	44.7	536	42.0	504	40.6	487	39.1	469
		55	59.3	712	55.2	663	52.1	626	50.5	606	48.8	585
		60	65.5	786	61.1	733	57.8	693	56.0	672	54.2	650

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

*ALL INFORMATION **FOR REFERENCE ONLY**



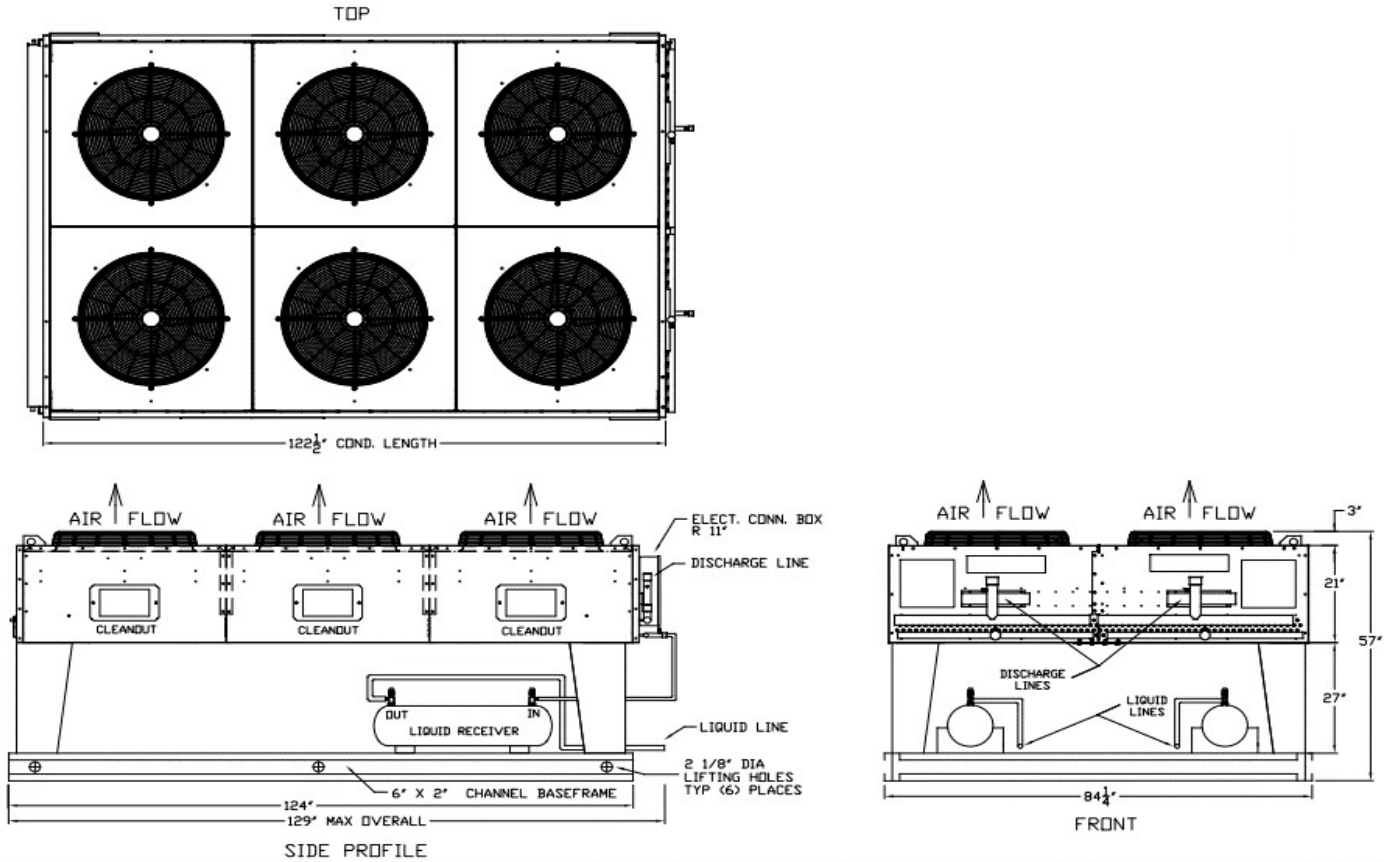
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ES490Q-Z

SPLIT-SYSTEM AIR-COOLED 44 HP DUAL-CIRCUIT TANDEM SCROLL

DIMENSIONAL DRAWINGS

EVAPAPATOR SECTION - CS490Q



LENGTH	WIDTH	HEIGHT	WEIGHT	R407C CONNECTIONS	
				DISCHG	LIQUID
129" MAX	84.25"	57"	1850 LBS	1-3/8"	7/8"

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SPLIT-SYSTEM AIR-COOLED 44 HP DUAL-CIRCUIT TANDEM SCROLL

STANDARD FEATURES

FEATURE	BENEFIT
Listings	ETL 3046941, UL STD 1995, CAN/CSA STD, C22.2 No. 236
Micro Control Systems Controller	Open source, microprocessor built to operate in the HVAC/R industry
Controls	BMS, BAS communications, remote access, monitoring services
Stainless Steel Brazed Plate Evaporator	Corrosion resistant, fully insulated and selected upon requirements
Copeland Tandem Scroll Compressors	Industry leader, long lasting compressor
25%-100% Capacity Control	Allows for tight control on varying loads
Compressor Crankcase Heater	Prevents compressor damage caused by cold refrigerant on startup
Suction Accumulator	Protects the compressor from damage caused by liquid flood back by preventing liquid from entering the compressor
Water Flow Switch	Protects against process fluid freezing caused by pump failure
Hot Gas Bypass	Aids in the prevention of evaporator freeze ups and capacity control
Copper Tube/Aluminum Fin Condenser	Rust resistant and high CFM
Compressor Vibration Eliminators	Eliminates vibration transfer and reduces noise
Painted Galvanized Steel Metal Cabinet	Sturdy, corrosion resistance, professional appearance
Insulated Process Fluid Lines	Maximum thermal efficiency
Factory Tested	Ensures the unit meets the customer's performance designed criteria and arrives in working order
Full Refrigerant Charge	Hassle free and more efficient installation
NEMA 3R Rated Electrical	Indoor/outdoor use
Phase Monitors	Electrical protection for compressors

AVAILABLE OPTIONS

OPTIONS	AVAILABLE
Extended Warranty	4 year extended compressor warranty
Electronic Expansion Valves	Added consistency, efficiency, and control
Electrical	Compressor fusing, disconnects, circuit breakers and more
Stainless Steel Pumps	1/3 HP to 25 HP on board pumps in multiple configurations & options
Fluid Piping Upgrades	Flow meters, pressure gauges, low flow bypass valves, and more
Chiller Evaporator Barrel	Enhanced corrosion resistance and cleanable, fully insulated, extra capacity
Coastal Protection/Hazardous Environments	Heresite coating, "Gold" and Copper condenser coils
Low Ambient Protection	EC fan for temperature down to +10°F, Head pressure control for temperatures down to 20°F, Heated receivers for temperature down to -40°F
Other	Service outlets, city water add-ons, heaters, 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			RLA EA	LRA EA	FAN MOTOR		MCA	MOP	RECIRC. TANK
	MODEL	QTY	HP			QTY	FLA EA			
R407C										
ES490Q3-T3-Z	ZR144KCE	4	11 EA	47.1	245	6	2.3	215	260	N/A
ES490Q3-T4-Z				20.7	125		1.2	90	105	
ES490Q3-T5-Z				15.9	100		0.9	70	80	

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