

Hermetic Reciprocating Compressors

Copeland

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CS Series

The Copeland CS welded hermetic compressors are designed for commercial refrigeration applications. They feature a “low-side” gas management system. The steel shell contains cool, low pressure suction gas that surrounds and cools the electric motor and mechanical compressor parts, resulting in lower motor and discharge gas temperatures.

All of Copeland’s newer CS products are based on the proven success of the CR6 technology. The flagship CR6 design employs enhanced gas management, better lubrication, and anti-slug suction. The result is improved energy efficiency, reduced sound and discharge pulse and excellent reliability and durability.

Service Pack Compressors with the -595 BOM are ideal for field replacement applications as they are supplied complete with internal motor protection, rubber mounting kit and electrics (single phase only).

If service valves are required these must be ordered separately.

Features

- Proven Copeland long term performance and reliability
- Optimised motors offer high energy efficiency and COP
- High volumetric efficiency at high ambient conditions
- Designed for low noise, quiet operation Charged with polyester lubricant

Three Phase

Cat. No.	Model No.	Elect. Supply: Volts/Ph.	Nom HP	Displ. cm ³ / rev	Connections		Full Load Amps	Locked Rotor Amps	Capacities Watts			Previous Model
					Suction	Discharge			R404A		R134a	
									-25°C SST	-5°C SST	-5°C SST	
2708755	CS14K6E-TFD-595	415 Volts 3 Phase	2 ¹ / ₄	48.6	1 ¹ / ₄ "	1"	4.2	28	1300	4650	2435	CR24/28KQ
2708758	CS18K6E-TFD-595	415 Volts 3 Phase	2 ³ / ₄	61.4	1 ¹ / ₄ "	1"	4.7	33	1495	6000	3450	CR33KQ
2708759	CS20K6E-TFD-595	415 Volts 3 Phase	3	74.3	1 ¹ / ₄ "	1"	5.1	40	1705	6800	3850	CR41KQ
2708760	CS27K6E-TFD-595	415 Volts 3 Phase	4	92.4	1 ¹ / ₄ "	1"	8.5	41	2365	8850	5050	CR53KQ
2708761	CS33K6E-TFD-595	415 Volts 3 Phase	5	106.2	1 ¹ / ₄ "	1"	9.9	45	2950	10600	5900	CRN0500

Ratings at ARI conditions, 45°C Condensing temperature, 11k Suction superheat, 8k Subcooling