



**COPELAND R134 3/4HP 1585W@-5SST
25.91CC**



Note: All pictures shown are for illustration purpose only. Actual product may vary depending on the BOM (tube or rotolock valve/suction spud)

EMERSON AT-A-GLANCE

- Founded in 1890
- 255 Manufacturing Locations
- Featured in the Fortune 500 list of America's Largest Corporations by revenue
- Presence In More Than 150 countries (Manufacturing And Sales)

ABOUT EMERSON

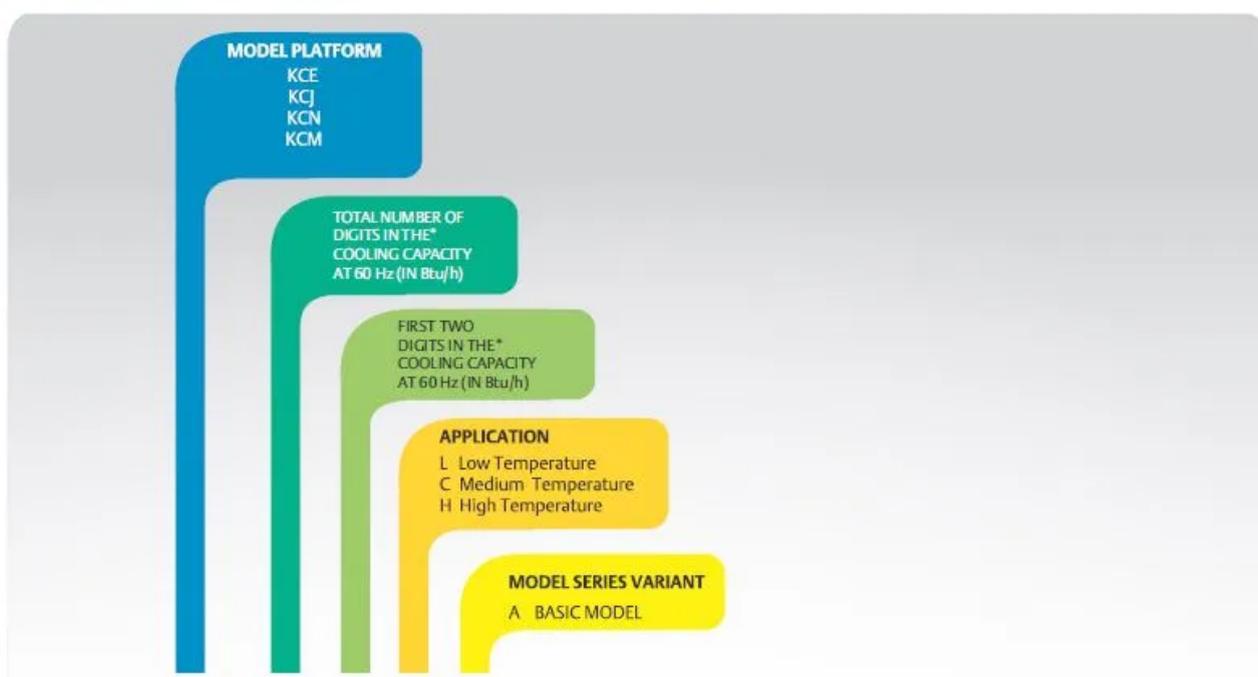
Emerson is a global technology and engineering company providing innovative solutions for customers in industrial, commercial, and residential markets. Our Emerson Commercial and Residential Solutions business helps ensure human comfort and health, protect food quality and safety, advance energy efficiency, and create sustainable infrastructure.

Emerson provides advanced compressors, condensing units, flow control systems and electronic controls to protect food quality while enabling operators to maximize equipment uptime and increase energy efficiency.

Fractional and Integral Horse Power compressors provide perfect cooling, creating value for its users. The compressors are manufactured at a state-of-the-art India plant located at Atit, in Maharashtra. The performance of the compressors is optimized using Computer Aided Engineering facilities with the components being subjected to stringent Emerson qualification standards.

Additionally, the compressor performance is validated by testing in a suitable appliance 0 at an ambient of 46°C. The countrywide sales and service network of Emerson is geared to provide prompt after sales service to our customers.

KCX Series Compressor Nomenclature



KCE 4 44 H A G B 3 3 2 H

REFRIGERANT

- E R-22
- G R-134a
- H HC
- L R-404A

VOLTAGE RANGE

A 230V (150-260), 50Hz, 1ph	50Hz	S 230V (207-253), 60 Hz, 1Ph	50/60Hz
B 230V (180-260), 50Hz, 1ph		230V (198-264), 50Hz, 1Ph	
C 230V (198-264), 50Hz, 1ph		T 220V (198-242), 60 Hz, 1Ph	
D 400V (360-460), 50Hz, 3ph		230V (180-260), 50Hz, 1Ph	
E 400V (342-460), 50Hz, 3ph		U 230V (197-253), 60Hz, 1Ph	
F 220V (198-264), 50Hz, 1ph		230V (180-260), 50Hz, 1Ph	
M 208/230V(197-253), 60Hz, 1Ph	60Hz	V 230V (207-253), 60Hz, 1ph	
N 230V (207-253), 60Hz, 1Ph		230V (180-260), 50Hz, 1ph	
P 115V (103-127), 60Hz, 1Ph			

MOTOR CIRCUIT

- 1 RSIR
- 2 CSIR
- 3 CSCR
- 4 PSC
- 5 3 Phase
- 6 RSIR With PTC
- 7 CSIR With PTC
- 8 CSCR With PTC
- 9 PSC With PTC

MOUNTING OPTION

- 1 FOUR LEGS : 7.5" x 7.5" (190 x 190mm)
- 2 FOUR LEGS : 4.8" x 8" (122 x 202mm)
- 3 FOUR LEGS : 4" x 6.5" (102 x 165mm) & 2.75" x 6.69" (70 x 170mm)
- 4 THREE LEGS : 6.12" x 8" (155 x 203mm)
- 5 THREE LEGS : 8.44" x 9.75" (214 x 248mm)
- 6 THREE LEGS : 6.53" x 8.68" (166 x 220mm)
- 7 FOUR LEGS : 4" x 6.5" (102 x 165mm)

BOM VARIANT (CUSTOMER BASED)

- 0 STANDARD MODEL
- 1 VARIANT

H : RoHS COMPLIANT BOM
BLANK FOR OTHERS

* It doesn't indicate that compressor is suitable for 60 Hz power supply. For more details please refer compressor specifications

FHP Applications

Low Back Pressure

- Chest Freezers
- Softy Machines
- Ice Cube Machine
- Centrifuge, Low Temp. Baths
- Blood / Plasma Storage
- Freezer on Wheels

Commercial Back Pressure

- Chest Coolers
- Display Cabinets
- Visi-Coolers

High Back Pressure

- Water-Coolers
- Air Dryers, Panel Coolers
- Oil-Coolers

IHP Applications

- Multi Deck
- Cabinet
- Island Freezer
- Cold Rooms
- Small Flake Ice Machines
- Environmental Chamber
- Clean Air Room
- Water Chiller
- Bulk Milk Cooler

PERFORMANCE NOMINALS AND SPECIFICATIONS:

R134a High Temperature

Model	Hz	Dis- placement (CC/rev)	Performance at ASRE/T Rated Condition				Refrigeration Capacity (Watts) #						
			Capacity		Power	Current	Evap. Temp. / Cond. Temp. (°C)	-17.8	-15	-10	-5	0	5
			Btu/hr	W	W	A							
R134a, 1Phase													
KCJ498HAG	50	25.91	8200	2402	975	5.90	43.3	1115	1185	1355	1627	2049	2567
							54.4	909	978	1101	1333	1688	2149
	60		9255	2710	1120	6.10	43.3	1267	1347	1540	1849	2328	2917
							54.4	1025	1103	1251	1515	1918	2442

		Mechanical Specification				Electrical Specification							
10	12.8	Oil Charge(cc)	Cooling Type (CFM)	Net Wt. (Kg.)	LRA (A)	Voltage Range(V)	Motor Type	Fig No.	Start Capacitor (Mfd)	Run Capacitor (Mfd)	Relay		OLP
										Potential / PTC	Current		
3182	3596	890	Fan 350	21.50	32	198-264	CSIR	5	80/100	-	AC85001 or HLR3800-6H3C-1	-	KAT0163 / B2 KAT0167/B2
2708	3108												
3616	4086					207-253							
3077	3518												

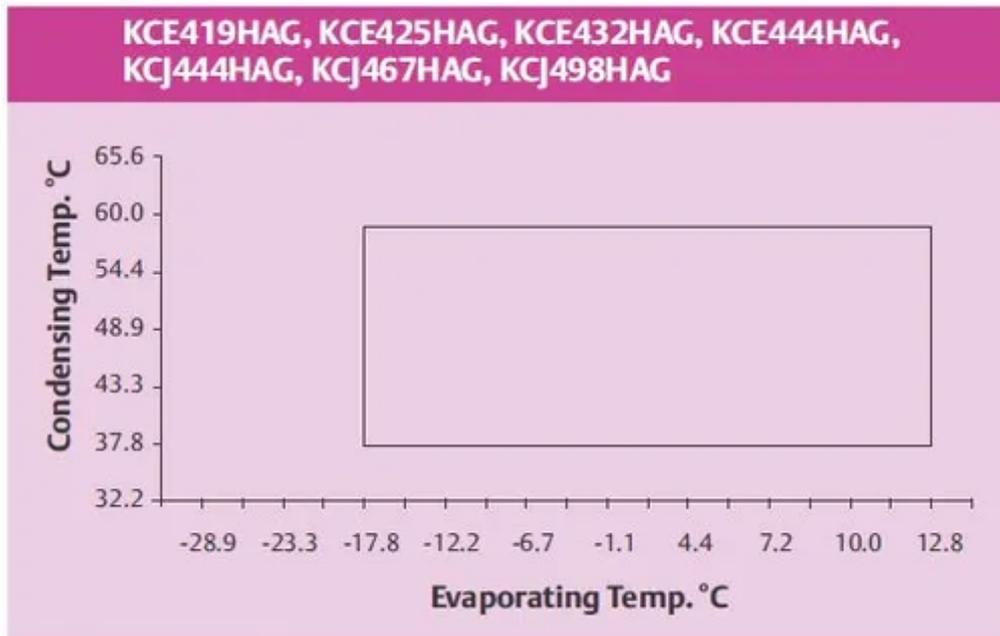
Capacity ratings based on 43.3C condensing temperature

MODEL – KCJ498HAG-SXXXH

A) MODEL DESCRIPTION

Model Name	KCJ498HAG-SXXXH
Compressor Type	Reciprocating, Connecting Rod Type
Application Group	High / Medium Temperature (HBP / MBP)
Evaporating Temperature Range	-17.8°C TO 12.8°C (0 °F TO 55°F)
Refrigerant	R-134a
Rated Voltage	220-230 V, 50/60 Hz, 1 Phase
Compressor Cooling	FAN : 350 ft ³ / minute
Typical Application	Water Cooler
Certifications & Approvals	----

High Temperature (R134a)



Model	KCJ498HAG
BOM	S224H
Refrigerant	R134a
Electrical Supply	220 - 230 V, 50/60 Hz, 1 Phase
Suction connection	Rotalock-Spud
Discharge connection	Tube
Nominal Horse Power	3/4 HP
Application Group	High / Medium Temperature (HBP / CBP)
Evaporating Temp. Range	-17.8°C To 12.8°C



Bottle Cooler		
Capacity(Ltr)	R22	R134a
100-120	-	KCE419HAG/ECZ421HG
150-200	-	KCE425HAG/ KCN413CAG/ECZ426HG
220-250	-	KCE432HAG/KCN416CAG/ECZ431HG/ECZ434HG
260-350	KCE443HAE	KCE444HAG/KCJ444HAG/ECZ444HG
350-500	KCE461HAE	KCN463HAG/KCJ467HAG
600-800	KCJ511HAE	KCJ498HAG

*These are preliminary guidelines. The actual compressor selection may differ from the guidelines. Please check the system details before selecting the compressor model

Please log in your trade account for more technical information.

NOTES:

- Electrical rating is 230 V, 50 Hz and 230 V, 60 Hz for single phase models and, 400 V, 50 Hz for three phase models.
- Operating voltage range signifies the range of voltage for which the compressor can start and run up to 43°C ambient.
- Cooling capacity and power consumption are nominal values at specified rating conditions and subject to +5% variation.
- Direct air flow on the glass terminal cover should be avoided.
- Compressors with CSIR, CSCR circuit, and three phase models may be used with thermostatic expansion valve.
- Compressors with RSIR Circuit must use capillary tube only.
- All compressors use two pole motors.
- Compressors for specific applications are rated for IS-10617 Part I and Part III-1983.
- All run capacitor should have a rating of 440 VAC and start capacitor 275VAC surge unless otherwise specified by Emerson.

