

CF09K6E-TFD

HFC, R-404A, 60 Hz, 3 - Phase, 460 V , [Also Available with Variable Frequency Drives](#)

Low Temperature

Production Status: Available for sale to all U.S. customers. Please check with your local Copeland Representative for international availability.

Summary

Performance		
Evaporator Temp. (°F)	-25.00	-10
Condensing Temp. (°F)	105.00	120
Return Gas Temp. (°F)	40.00	40
Liquid Temp. (°F)	105.00	120
Capacity (BTU/hr)	7240	9620
Power (W):	1760	2370
Current (Amps):	3.2	3.8
EER(BTU/Wh):	4.1	4.1
Mass Flow (lbs/hr):	143	220
Sound Data @		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	2024-01-08	
Mechanical		
Displacement (in ³ /Rev):	4.40	
Displacement (ft ³ /Hr):		
Overall Length (in):	10.20	
Overall Width (in):	9.70	
Overall Height (in):	13.80	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	14.20	

Suction Size (in),Type:	3 / 4 Stub
Discharge Size (in),Type:	1 / 2 Stub
Initial Oil Charge (oz):	45
Oil Recharge (oz):	43
Oil Type:	POE
Net Weight (lbs):	67.0
Internal Free Volume (in³):	470.0

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA High* (Amps):	35.8
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	7.7
Max Operating Current (Amps):	6.20
RLA, MCC/1.4(use for contactor selection)(Amps):	5.5
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	4.9
RPM:	3500
Box IP :	
UL File No:	SA-2337
UL File Date:	2000-04-26

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
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No data available in table

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-404A HFC	380/420	3	50	Low Temperature

Nomenclature

Family Series

C: Family of Compressors

Application Range

F: REF LT/MT, R404A

Nominal Capacity at Rating Condition

09K: Capacity Multiplier-100

Model Series Variation (Efficiency)

6: Generation 2 (BASE)

Identifier

: CK Model

OIL Identifier

E: POE OIL

Motor Type

T: 3 Phase

Motor Protection

F: Internal Inherent Protection

Voltage

D: 60Hz (460-3) 50Hz (380/420-3)