

ZR84KCE-TF5

HCFC, R-22, 60 Hz, 3 - Phase, 200/230 V , [Also Available with Variable Frequency Drives](#)

Air Conditioning

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)	45.00	45
Condensing Temp. (°F)	130.00	100
Return Gas Temp. (°F)	65.00	65
Liquid Temp. (°F)	115.00	85
Capacity (BTU/hr)	85500	100000
Power (W):	7300	5200
Current (Amps):	22.8	18.6
EER(BTU/Wh):	11.8	19.3
Mass Flow (lbs/hr):	1260	1290
Sound Data @		
Sound Power (dBA):	82 Avg	87 Max
Vibration mils(peak-peak):	2.5 Avg	4.0 Max
Record Date:	2023-05-19	
Mechanical		
Displacement (in ³ /Rev):	6.93	
Displacement (ft ³ /Hr):		
Overall Length (in):	10.88	
Overall Width (in):	12.91	
Overall Height (in):	18.76	
Mounting Length (in):	7.50	
Mounting Width (in):	7.50	
Mounting Height (in):	19.50	

Suction Size (in),Type:	1 3 / 4 Rotalock
Discharge Size (in),Type:	1 1 / 4 Rotalock
Initial Oil Charge (oz):	85
Oil Recharge (oz):	81
Oil Type:	3MA
Net Weight (lbs):	126.0
Internal Free Volume (in³):	639.0

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

Electrical

LRA High* (Amps):	196
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	40
Max Operating Current (Amps):	29.80
RLA, MCC/1.4(use for contactor selection)(Amps):	28.6
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	25.6
RPM:	3500
Box IP :	21
UL File No:	SA2337- 19960927
UL File Date:	1996-09-27
European Pressure Equipment Directive (PED):	
Fluid Group**:	FG 2
PS Low / High Side (BAR):	20.0 / 32.0
TS Min (°C):	-35 / -35
TS Max (°C):	50 / 150
Volume (L) :	

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

**Fluid Group 1 comprises dangerous fluids defined as: Explosive, extremely flammable, high flammable, very toxic, toxic, oxidizing.

Fluid Group 2 is for non-dangerous fluids defined as: non-explosive, non-toxic, non-flammable.

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
No data available in table					
Alternate Applications					
Refrigerant	Voltage	Phase	Frequency	Application	
R-134a HFC	200/220	3	50	Air Conditioning	
R-134a HFC	200/230	3	60	Air Conditioning	
R-22 HCFC	200/220	3	50	Air Conditioning	
R-407C HFC	200/220	3	50	Air Conditioning	
R-407C HFC	200/230	3	60	Air Conditioning	

Nomenclature

ZR84KCE-TF5

Family Series

Z: Scroll

Application Range

R: A/C - R-22/407C/134a

Capacity

84K: Capacity Multiplier-1000

Model Variation

C: Model Variation

Oil Type

E: Polyol Ester

Motor Type

T: 3 Phase

Motor Protection

F: Internal Inherent Protection

Voltage

5: 60Hz (200/230-3) 50Hz (200/220-3)