ZR94KCE-TFD

HFC, R-407C, 60 Hz, 3 - Phase, 460 V , Also Available with Variable Frequency Drives

Air Conditioning

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

Performance

Evaporator Temp. (°F)	45.00	35
Condensing Temp. (°F)	130.00	120
Return Gas Temp. (°F)	65.00	55
Liquid Temp. (°F)	115.00	105
Capacity (BTU/hr)	94000	81200
Power (W):	8310	7330
Current (Amps):	12.8	11.7
EER(BTU/Wh):	11.3	11.1
Mass Flow (lbs/hr):	1370	1135
Sound Data @		
Sound Power (dBA):	79 Avg	84 Max
Vibration mils(peak-peak):	3.0 Avg	4.5 Max
Record Date:	2016-06-24	

Mechanical

Displacement (in^3/Rev):	7.76
Displacement (ft^3/Hr):	
Overall Length (in):	10.38
Overall Width (in):	11.23
Overall Height (in):	18.75
Mounting Length (in):	7.50
Mounting Width (in):	7.50
Mounting Height (in):	19.50
Suction Size (in),Type:	1 1 / 8 Stub
Discharge Size (in),Type:	7 / 8 Stub
Initial Oil Charge (oz):	85
Oil Recharge (oz):	81
Oil Type:	3MA
Net Weight (lbs):	126.0
Internal Free Volume (in^3):	639.0
Horse Power:	8.0

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

Electrical

LRA High* (Amps):	95.0
LRA Low*(Amps):	
LRA Half Winding (Amps):	
MCC (Amps):	23
Max Operating Current (Amps):	15.9
RLA, MCC/1.4(use for contactor selection)(Amps):	16.4
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	14.7
RPM:	3500
Box IP :	21
UL File No:	SA-2337
UL File Date:	2014-03-21

Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description

No data available in table

European Pressure Equipment Directive (PED):	
Fluid Group:**	FG 2
PS Low / High Side (BAR):	20.0 / 32.0
TS Min (°C):	-35
TS Max (°C):	50
Volume (L) :	12.6 / 1.5

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

Alternate Applications

Refrigerant	Voltage	Phase	Frequency	Application
R-134a HFC	460	3	60	Air Conditioning
R-134a HFC	380/420	3	50	Air Conditioning
R-22 HCFC		3	60	Air Conditioning
R-22 HCFC		3	50	Air Conditioning
R-407C HFC	380/420	3	50	Air Conditioning