

2DC3R53KE-TFD

HCFC, R-22, 60Hz, 3- Phase, 460 V
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

Evap(°F)/Cond(°F)	45 / 130	35 / 105
RG(°F)/Liq(°F)	65.0 / 115.0	55.0 / 90.0
Capacity (Btu/hr)	62500	60000
Power (Watts):	5200	4050
Current (Amps):	8.15	6.85
EER (Btu/Wh):	12.10	14.80
Mass Flow (lbs/hr):	920	800
Sound Power (dBA):		
Vibration (mils(peak-peak)):		4.56 Max
Record Date:	2007-06-08	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	11.78
Bore Size(in):	2.50	Displ(ft ³ /hr):	715.84
Stroke(in):	1.20		
Overall Length (in):	23.63	Mounting Length (in):	11.62
Overall Width (in):	15.37	Mounting Width (in):	11.00
Overall Height (in):	18.55	Mounting Height (in):	20.05 *
Suction Size (in):		1 3/8 Sweat	
Discharge Size (in):		7/8 Sweat	
Oil Recharge (oz):		72	
Initial Oil Charge (oz):		80	
Net Weight (lbs):		309	
Internal Free Volume (in ³):			
Horse Power:		4.5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	60.0	MCC (Amps):	14.6	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	13-Jul-1988
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		10.4			
RLA(=MCC/1.56;use for breaker & wire size selection):		9.4			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	60	3	460	Medium Temp, Low Condensing
R-502 CFC	60	3	460	Medium Temperature
R-404A HFC	60	3	460	Medium Temp, Low Condensing
R-507 HFC	60	3	460	Medium Temp, Low Condensing
R-407C HFC	60	3	460	Air Conditioning
R-407C HFC	60	3	460	Medium Temp, Low Condensing
R-407A HFC	60	3	460	Air Conditioning
R-407A HFC	60	3	460	Medium Temp, Low Condensing
R-407F HFC	60	3	460	Medium Temp, Low Condensing
R-22 HCFC	50	3	380/420	Air Conditioning

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-22 HCFC	50	3	380/420	Medium Temp, Low Condensing
R-502 CFC	50	3	380/420	Medium Temperature
R-404A HFC	50	3	380/420	Medium Temp, Low Condensing
R-507 HFC	50	3	380/420	Medium Temp, Low Condensing
R-407C HFC	50	3	380/420	
R-407C HFC	50	3	380/420	
R-407A HFC	50	3	380/420	Air Conditioning
R-407A HFC	50	3	380/420	Medium Temp, Low Condensing
R-407F HFC	50	3	380/420	Medium Temp, Low Condensing