

2DC3R53KE-TFC

HCFC, R-22, 60 Hz, 3- Phase, 208/230 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 (W):	5200	4050
Current (Amps):	16.25	13.65
EER (Btu/Wh):	12.10	14.80
Mass Flow (lbs/hr):	920	800
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-)	0.0 Avg	5.92 Max
Record Date:	2007-06-08	

Mechanical

Number of Cylinders:	2	Displacement(in ³ /Rev):	11.78
Bore Size(in):	2.50	Displacement(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),Type:	1 3/8 Sweat		
Discharge Size (in),Type:	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*(Amp):	120.0	MCC (Amps):	31.2	UL File No:	SA-2337
LRA-Half Winding		RPM:		UL File Date:	13-Jul-1988
LRA Low* (Amp):		Max Operating Current			
RLA, MCC/1.4;use for contactor selection (Amp):		22.3			
RLA, MCC/1.56;use for breaker & wire size selection		20			
*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-404A HFC	50	3	200/220	Medium Temp, Low Condensing
R-404A HFC	60	3	208/230	Medium Temp, Low Condensing
R-507 HFC	50	3	200/220	Medium Temp, Low Condensing
R-507 HFC	60	3	208/230	Medium Temp, Low Condensing
R-22 HCFC	50	3	200/220	Air Conditioning
R-22 HCFC	50	3	200/220	Medium Temp, Low Condensing
R-22 HCFC	60	3	208/230	Medium Temp, Low Condensing
R-502 CFC	50	3	200/220	Medium Temperature
R-502 CFC	60	3	208/230	Medium Temperature
R-407C HFC	60	3	208/230	Air Conditioning

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-407C HFC	60	3	208/230	Medium Temp, Low Condensing
R-407A HFC	50	3	200/220	Air Conditioning
R-407A HFC	50	3	200/220	Medium Temp, Low Condensing
R-407A HFC	60	3	208/230	Air Conditioning
R-407A HFC	60	3	208/230	Medium Temp, Low Condensing
R-407F HFC	50	3	200/220	Medium Temp, Low Condensing
R-407F HFC	60	3	208/230	Medium Temp, Low Condensing
R-448A HFO	50	3	200/220	Medium Temp, Low Condensing
R-448A HFO	60	3	208/230	Medium Temp, Low Condensing
R-449A HFO	60	3	208/230	Medium Temp, Low Condensing
R-449A HFO	50	3	200/220	Medium Temp, Low Condensing