

2DL3R78KE-TFD

HFC, R-404A, 60Hz, 3- Phase, 460 V
Medium Temp, Low Condensing



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)	20 / 120	0 / 110
RG(°F)/Liq(°F)	65.0 / 120.0	65.0 / 110.0
Capacity (Btu/hr)	52000	35800
Power (Watts):	6600	5200
Current (Amps):	10.50	9.00
EER (Btu/Wh):	7.90	6.90
Mass Flow (lbs/hr):	1090	680
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2006-10-18	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	16.59
Bore Size(in):	2.50	Displ(ft ³ /hr):	1008.14
Stroke(in):	1.69		
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):	325		
Internal Free Volume (in ³):			
Horse Power:	5		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	85.0	MCC (Amps):	19.4	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):			13.9		
RLA(=MCC/1.56;use for breaker & wire size selection):			12.4		
*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	Air Conditioning
R-22 HCFC	60	3	460	Medium Temp, Low Condensing
R-502 CFC	60	3	460	Medium Temperature
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