

# 2DL3R78KE-TFC

CFC, R-502, 60Hz, 3- Phase, 208/230 V

Medium Temperature



**Production Status:** This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. 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)	52500	37000
Power (Watts):	6300	5100
Current (Amps):	20.55	17.95
EER (Btu/Wh):	8.30	7.30
Mass Flow (lbs/hr):	1180	765
Sound Power (dBA):		
Vibration (mils(peak-peak)):		5.92 Max
Record Date:	2007-06-08	

## Mechanical

Number of Cylinders:	2	Displ(in <sup>3</sup> /Rev):	16.59
Bore Size(in):	2.50	Displ(ft <sup>3</sup> /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 <sup>3</sup> ):			
Horse Power:		5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	169.0	MCC (Amps):	40.7	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):			29.1		
RLA(=MCC/1.56;use for breaker & wire size selection):			26.1		
*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	50	3	200/220	Air Conditioning
R-22 HCFC	50	3	200/220	Medium Temp, Low Condensing
R-502 CFC	50	3	200/220	Medium Temperature
R-404A HFC	50	3	200/220	Medium Temp, Low Condensing
R-507 HFC	50	3	200/220	Medium Temp, Low Condensing
R-407C HFC	50	3	200/220	
R-407C HFC	50	3	200/220	
R-407A HFC	50	3	200/220	Air Conditioning
R-407A HFC	50	3	200/220	Medium Temp, Low Condensing
R-407F HFC	50	3	200/220	Medium Temp, Low Condensing

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-448A HFO	50	3	200/220	Medium Temp, Low Condensing
R-449A HFO	50	3	200/220	Medium Temp, Low Condensing
R-22 HCFC	60	3	208/230	Air Conditioning
R-22 HCFC	60	3	208/230	Medium Temp, Low Condensing
R-404A HFC	60	3	208/230	Medium Temp, Low Condensing
R-507 HFC	60	3	208/230	Medium Temp, Low Condensing
R-407C HFC	60	3	208/230	Air Conditioning
R-407C HFC	60	3	208/230	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	60	3	208/230	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