

# 2DB3F25KE-TFC

HCFC, R-22, 60Hz, 3- Phase, 208/230 V

Low Temperature



**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)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	20500	11500
Power (Watts):	3960	2990
Current (Amps):	15.00	13.25
EER (Btu/Wh):	5.20	3.80
Mass Flow (lbs/hr):	273	154
Sound Power (dBA):		
Vibration (mils(peak-peak)):		4.56 Max
Record Date:	2007-06-08	

## Mechanical

Number of Cylinders:	2	Displ(in <sup>3</sup> /Rev):	19.59
Bore Size(in):	2.62	Displ(ft <sup>3</sup> /hr):	1190.39
Stroke(in):	1.81		
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:		4.5	

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

## Electrical

LRA-High*:	161.0	MCC (Amps):	35.6	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):		25.4			
RLA(=MCC/1.56;use for breaker & wire size selection):		22.8			

\*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-407C HFC	60	3	208/230	Low Temperature
R-22 HCFC	50	3	200/220	Low Temperature
R-502 CFC	50	3	200/220	Low Temperature
R-134a HFC	50	3	200/220	High Temp
R-134a HFC	50	3	200/220	
R-404A HFC	50	3	200/220	Low Temp, Low Condensing
R-507 HFC	50	3	200/220	Low Temp, Low Condensing
R-407C HFC	50	3	200/220	
R-407A HFC	50	3	200/220	Low Temp, Low Condensing
R-407F HFC	50	3	200/220	Low Temp, Low Condensing

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-502 CFC	60	3	208/230	Low Temperature
R-134a HFC	60	3	208/230	High Temp
R-134a HFC	60	3	208/230	
R-404A HFC	60	3	208/230	Low Temp, Low Condensing
R-507 HFC	60	3	208/230	Low Temp, Low Condensing
R-407C HFC	60	3	208/230	Low Temp, Low Condensing
R-407A HFC	60	3	208/230	Low Temp, Low Condensing
R-407F HFC	60	3	208/230	Low Temp, Low Condensing