

# 3DS3F46KE-TFC

HFC, R-404A, 60Hz, 3- Phase, 208/230 V  
Low 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)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	46000	29400
Power (Watts):	8600	6550
Current (Amps):	26.80	22.40
EER (Btu/Wh):	5.40	4.50
Mass Flow (lbs/hr):	825	520
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:	3	Displ(in <sup>3</sup> /Rev):	35.01
Bore Size(in):	2.44	Displ(ft <sup>3</sup> /hr):	2127.41
Stroke(in):	2.50		
Overall Length (in):	27.30	Mounting Length (in):	15.00
Overall Width (in):	14.92	Mounting Width (in):	12.00
Overall Height (in):	19.18	Mounting Height (in):	20.93 *
Suction Size (in):	1 3/8 Sweat		
Discharge Size (in):	1 1/8 Sweat		
Oil Recharge (oz):	115		
Initial Oil Charge (oz):	125		
Net Weight (lbs):	385		
Internal Free Volume (in <sup>3</sup> ):	7		
Horse Power:	7		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	215.0	MCC (Amps):	58.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	26-Jul-1985
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		41.4			
RLA(=MCC/1.56;use for breaker & wire size selection):		37.2			
*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-407A HFC	60	3	208/230	Low Temp, Low Condensing
R-12 CFC	50	3	200/220	
R-12 CFC	50	3	200/220	
R-22 HCFC	50	3	200/220	Low Temperature
R-502 CFC	50	3	200/220	
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	

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-407A HFC	50	3	200/220	Low Temp, Low Condensing
R-407F HFC	50	3	200/220	Low Temp, Low Condensing
R-12 CFC	60	3	208/230	
R-12 CFC	60	3	208/230	
R-22 HCFC	60	3	208/230	Low Temperature
R-502 CFC	60	3	208/230	
R-134a HFC	60	3	208/230	High Temp
R-134a HFC	60	3	208/230	
R-507 HFC	60	3	208/230	Low Temp, Low Condensing
R-407C HFC	60	3	208/230	Low Temp, Low Condensing
R-407F HFC	60	3	208/230	Low Temp, Low Condensing
R-407C HFC	60	3	208/230	Low Temperature