

# 3DS3F46KE-TFD

HCFC, R-22, 60 Hz, 3 -Phase, 460 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

Evaporator Temp. (°F)	-25	-40
Condensing Temp. (°F)	105	105
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	105	105
Capacity (Btu/hr)	37500	21200
Power (W):	7450	5950
Current (Amps):	12.20	10.55
EER (Btu/Wh):	5.00	3.60
Mass Flow (lbs/hr):	500	283
<u>Sound Data @</u>		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	4.8 Max
Record Date:	2007-06-08	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	35.01
Displacement(ft <sup>3</sup> /hr):	2127.41
Overall Length (in):	27.30
Overall Width (in):	14.92
Overall Height (in):	19.18
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	20.93 *
Suction Size (in),Type:	1 3/8 Sweat
Discharge Size (in),Type:	1 1/8 Sweat
Initial Oil Charge (oz):	125
Oil Recharge (oz):	115
Net Weight (lbs):	385.0
Internal Free Volume (in <sup>3</sup> ):	
Horse Power:	7.00

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

## Electrical

LRA-High*(Amp):	106.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	22.9
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	16.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	14.7
RPM:	
UL File No:	SA-2337
UL File Date:	1985-07-26

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Capacitors

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-134a HFC	460	3	60	High Temp
R-134a HFC	460	3	60	UL Medium Temp
R-134a HFC	380/420	3	50	High Temp
R-404A HFC	460	3	60	Low Temp, Low Condensing
R-404A HFC	380/420	3	50	Low Temp, Low Condensing
R-507 HFC	460	3	60	Low Temp, Low Condensing
R-507 HFC	380/420	3	50	Low Temp, Low Condensing
R-22 HCFC	380/420	3	50	Low Temperature
R-407C HFC	460	3	60	Low Temp, Low Condensing
R-407C HFC	460	3	60	Low Temp, Low Condensing

## Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-407A HFC	460	3	60	Low Temp, Low Condensing
R-407A HFC	380/420	3	50	Low Temp, Low Condensing
R-407F HFC	460	3	60	Low Temp, Low Condensing
R-407F HFC	380/420	3	50	Low Temp, Low Condensing
R-448A HFO	460	3	60	Low Temp, Low Condensing
R-448A HFO	380/420	3	50	Low Temp, Low Condensing
R-449A HFO	460	3	60	Low Temp, Low Condensing
R-449A HFO	380/420	3	50	Low Temp, Low Condensing