

# 4DT3F76KE-TSK

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

Evaporator Temp. (°F)	-25	-40
Condensing Temp. (°F)	105	105
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	105	105
Capacity (Btu/hr)	62500	35900
Power (W):	12600	9800
Current (Amps):	41.80	35.60
EER (Btu/Wh):	4.90	3.70
Mass Flow (lbs/hr):	835	476
<u>Sound Data @</u>		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	3.7 Max
Record Date:	2007-06-12	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	59.33
Displacment(ft <sup>3</sup> /hr):	3605.24
Overall Length (in):	27.94
Overall Width (in):	20.50
Overall Height (in):	23.00
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	24.19 *
Suction Size (in),Type:	2 1/8 Sweat
Discharge Size (in),Type:	1 3/8 Sweat
Initial Oil Charge (oz):	135
Oil Recharge (oz):	125
Net Weight (lbs):	450.0
Internal Free Volume (in <sup>3</sup> ):	
Horse Power:	12.50

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

## Electrical

LRA-High*(Amp):	374.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	222.0
MCC (Amps):	72.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	51.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	46.2
RPM:	
UL File No:	SA-2337
UL File Date:	1971-04-07

\*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-404A HFC	460	3	60	Low Temp, Low Condensing
R-404A HFC	460	3	60	Low Temp, Low Condensing
R-404A HFC	380/400	3	50	Low Temp, Low Condensing
R-507 HFC	200	3	50	Low Temp, Low Condensing
R-507 HFC	200	3	50	UL Low Temp
R-507 HFC	460	3	60	Low Temp, Low Condensing
R-507 HFC	208/230	3	60	Low Temp, Low Condensing
R-507 HFC	200	3	50	UL Low Temp
R-22 HCFC	200	3	50	Low Temperature
R-22 HCFC	460	3	60	Low Temperature

## Alternate Applications

<u>Refrigerant</u>	<u>Voltage</u>	<u>Phase</u>	<u>Freq (Hz)</u>	<u>Application</u>
R-22 HCFC	380/400	3	50	Low Temperature
R-502 CFC	200	3	50	Low Temperature
R-502 CFC	460	3	60	Low Temperature
R-502 CFC	208/230	3	60	Low Temperature
R-502 CFC	380/400	3	50	Low Temperature
R-407C HFC	460	3	60	Low Temp, Low Condensing
R-407C HFC	380/400	3	50	Low Temp, Low Condensing
R-407C HFC	200	3	50	Low Temp, Low Condensing
R-407C HFC	208/230	3	60	Low Temp, Low Condensing
R-407C HFC	380/400	3	50	UL Low Temp
R-407C HFC	460	3	60	Low Temp, Low Condensing
R-407C HFC	208/230	3	60	Low Temp, Low Condensing
R-407C HFC	200	3	50	UL Low Temp
R-407A HFC	380/400	3	50	Low Temp, Low Condensing
R-407A HFC	200	3	50	Low Temp, Low Condensing
R-407A HFC	460	3	60	Low Temperature
R-407A HFC	208/230	3	60	Low Temperature
R-407A HFC	200	3	50	UL Low Temp
R-407A HFC	460	3	60	Low Temp, Low Condensing
R-407A HFC	208/230	3	60	Low Temp, Low Condensing
R-407A HFC	200	3	50	UL Low Temp
R-407F HFC	200	3	50	Low Temp, Low Condensing
R-407F HFC	460	3	60	Low Temp, Low Condensing
R-407F HFC	208/230	3	60	Low Temp, Low Condensing
R-407F HFC	380/400	3	50	Low Temp, Low Condensing
R-448A HFO	200	3	50	Low Temp, Low Condensing
R-448A HFO	460	3	60	Low Temp, Low Condensing
R-448A HFO	208/230	3	60	Low Temp, Low Condensing
R-448A HFO	380/400	3	50	Low Temp, Low Condensing
R-449A HFO	200	3	50	Low Temp, Low Condensing
R-449A HFO	460	3	60	Low Temp, Low Condensing
R-449A HFO	208/230	3	60	Low Temp, Low Condensing
R-449A HFO	380/400	3	50	Low Temp, Low Condensing