

4DT3F76KE-TSK

HFC, R-404A, 60Hz, 3- Phase, 460 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)	75500	46300
Power (Watts):	14000	10500
Current (Amps):	23.00	19.20
EER (Btu/Wh):	5.40	4.40
Mass Flow (lbs/hr):	1360	815
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2014-01-14	

Mechanical

Number of Cylinders:	4	Displ(in ³ /Rev):	59.33
Bore Size(in):	2.94	Displ(ft ³ /hr):	3605.24
Stroke(in):	2.19		
Overall Length (in):	27.94	Mounting Length (in):	15.00
Overall Width (in):	20.50	Mounting Width (in):	12.00
Overall Height (in):	23.00	Mounting Height (in):	24.19 *
Suction Size (in):	2 1/8 Sweat		
Discharge Size (in):	1 3/8 Sweat		
Oil Recharge (oz):	125		
Initial Oil Charge (oz):	135		
Net Weight (lbs):	450		
Internal Free Volume (in ³):			
Horse Power:	12.5		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	187.0	MCC (Amps):	45.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	07-Apr-1971
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):			32.1		
RLA(=MCC/1.56;use for breaker & wire size selection):			28.8		
*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-404A HFC	50	3	200	
R-407C HFC	50	3	200	UL Low Temp
R-407C HFC	50	3	380/400	UL Low Temp
R-407C HFC	50	3	200	Low Temp, Low Condensing
R-407C HFC	50	3	380/400	Low Temp, Low Condensing
R-407A HFC	50	3	200	UL Low Temp
R-407A HFC	50	3	380/400	UL Low Temp
R-22 HCFC	50	3	200	Low Temperature
R-407F HFC	50	3	200	Low Temp, Low Condensing
R-22 HCFC	50	3	380/400	Low Temperature

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-407F HFC	50	3	380/400	Low Temp, Low Condensing
R-407A HFC	50	3	380/400	Low Temp, Low Condensing
R-407A HFC	50	3	200	Low Temp, Low Condensing
R-407C HFC	60	3	460	Low Temp, Low Condensing
R-407C HFC	60	3	208/230	Low Temperature
R-407C HFC	60	3	460	Low Temperature
R-407C HFC	60	3	208/230	Low Temp, Low Condensing
R-407A HFC	60	3	208/230	Low Temperature
R-407A HFC	60	3	460	Low Temperature
R-502 CFC	50	3	200	Low Temperature
R-502 CFC	50	3	380/400	Low Temperature
R-22 HCFC	60	3	460	Low Temperature
R-22 HCFC	60	3	208/230	Low Temperature
R-407A HFC	60	3	460	Low Temp, Low Condensing
R-407F HFC	60	3	460	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
R-404A HFC	50	3	380/400	Low Temp, Low Condensing
R-404A HFC	50	3	200	UL Low Temp
R-507 HFC	50	3	200	UL Low Temp
R-502 CFC	60	3	460	Low Temperature
R-507 HFC	60	3	460	Low Temp, Low Condensing
R-502 CFC	60	3	208/230	Low Temperature
R-404A HFC	60	3	208/230	Low Temp, Low Condensing
R-507 HFC	60	3	208/230	Low Temp, Low Condensing
R-507 HFC	50	3	380/400	UL Low Temp
R-507 HFC	50	3	380/400	Low Temp, Low Condensing
R-404A HFC	50	3	380/400	UL Low Temp