

# 4DE3R18ME-TSK

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

Air Conditioning



**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

Evap(°F)/Cond(°F)	45 / 130	35 / 105
RG(°F)/Liq(°F)	65.0 / 115.0	55.0 / 90.0
Capacity (Btu/hr)	216000	210000
Power (Watts):	18400	14100
Current (Amps):	55.45	45.40
EER (Btu/Wh):	11.70	14.80
Mass Flow (lbs/hr):	3160	2780
Sound Power (dBA):		
Vibration (mils(peak-peak)):		3.68 Max
Record Date:	2007-06-12	

## Mechanical

Number of Cylinders:	4	Displ(in <sup>3</sup> /Rev):	39.27
Bore Size(in):	2.50	Displ(ft <sup>3</sup> /hr):	2386.12
Stroke(in):	2.00		
Overall Length (in):	25.41	Mounting Length (in):	15.00
Overall Width (in):	20.06	Mounting Width (in):	12.00
Overall Height (in):	18.03	Mounting Height (in):	19.31 *
Suction Size (in):		1 5/8 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 <sup>3</sup> ):			
Horse Power:		15	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	308.0	MCC (Amps):	93.2	UL File No:	SA-2337
LRA-Half Winding:	188.0	RPM:	3500	UL File Date:	07-Apr-1971
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		66.6			
RLA(=MCC/1.56;use for breaker & wire size selection):		59.7			
*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-22 HCFC	50	3	200	Air Conditioning
R-22 HCFC	50	3	200	Medium Temp, Low Condensing
R-502 CFC	50	3	200	Medium Temperature
R-404A HFC	50	3	200	Medium Temp, Low Condensing
R-404A HFC	50	3	200	Air Conditioning
R-507 HFC	50	3	200	Medium Temp, Low Condensing
R-507 HFC	50	3	200	Air Conditioning
R-407C HFC	50	3	200	Medium Temp, Low Condensing
R-407C HFC	50	3	200	Air Conditioning
R-407A HFC	50	3	200	Medium Temp, Low Condensing

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-407A HFC	50	3	200	Air Conditioning
R-407F HFC	50	3	200	Medium Temp, Low Condensing
R-407F HFC	50	3	200	Air Conditioning
R-448A HFO	50	3	200	Medium Temp, Low Condensing
R-448A HFO	50	3	200	
R-449A HFO	50	3	200	Medium Temp, Low Condensing
R-449A HFO	50	3	200	
R-22 HCFC	60	3	460	Air Conditioning
R-22 HCFC	60	3	460	Medium Temp, Low Condensing
R-502 CFC	60	3	460	Medium Temperature
R-404A HFC	60	3	460	Medium Temp, Low Condensing
R-404A HFC	60	3	460	Air Conditioning
R-507 HFC	60	3	460	Medium Temp, Low Condensing
R-507 HFC	60	3	460	Air Conditioning
R-407C HFC	60	3	460	Medium Temp, Low Condensing
R-407C HFC	60	3	460	Air Conditioning
R-407A HFC	60	3	460	Medium Temp, Low Condensing
R-407A HFC	60	3	460	Air Conditioning
R-407F HFC	60	3	460	Medium Temp, Low Condensing
R-407F HFC	60	3	460	Air Conditioning
R-448A HFO	60	3	460	Medium Temp, Low Condensing
R-448A HFO	60	3	460	
R-449A HFO	60	3	460	Medium Temp, Low Condensing
R-449A HFO	60	3	460	
R-407A HFC	60	3	208/230	Medium Temp, Low Condensing
R-407A HFC	60	3	460	Medium Temp, Low Condensing
R-407A HFC	50	3	200	Medium Temp, Low Condensing
R-407A HFC	50	3	380/400	Medium Temp, Low Condensing
R-407A HFC	50	3	200	Air Conditioning
R-407A HFC	50	3	380/400	Air Conditioning
R-407C HFC	50	3	200	Air Conditioning
R-407C HFC	50	3	380/400	Air Conditioning
R-407C HFC	50	3	200	Medium Temp, Low Condensing
R-407C HFC	50	3	380/400	Medium Temp, Low Condensing
R-407A HFC	60	3	460	Air Conditioning
R-407A HFC	60	3	208/230	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning
R-407C HFC	60	3	208/230	Air Conditioning
R-407C HFC	60	3	208/230	Medium Temp, Low Condensing
R-407C HFC	60	3	460	Medium Temp, Low Condensing
R-22 HCFC	60	3	208/230	Medium Temp, Low Condensing
R-502 CFC	60	3	208/230	Medium Temperature
R-404A HFC	60	3	208/230	Medium Temp, Low Condensing

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-404A HFC	60	3	208/230	Air Conditioning
R-507 HFC	60	3	208/230	Medium Temp, Low Condensing
R-507 HFC	60	3	208/230	Air Conditioning
R-407C HFC	60	3	208/230	Medium Temp, Low Condensing
R-407C HFC	60	3	208/230	Air Conditioning
R-407A HFC	60	3	208/230	Medium Temp, Low Condensing
R-407A HFC	60	3	208/230	Air Conditioning
R-407F HFC	60	3	208/230	Medium Temp, Low Condensing
R-407F HFC	60	3	208/230	Air Conditioning
R-448A HFO	60	3	208/230	Medium Temp, Low Condensing
R-448A HFO	60	3	208/230	
R-449A HFO	60	3	208/230	Medium Temp, Low Condensing
R-449A HFO	60	3	208/230	
R-22 HCFC	50	3	380/400	Air Conditioning
R-22 HCFC	50	3	380/400	Medium Temp, Low Condensing
R-502 CFC	50	3	380/400	Medium Temperature
R-404A HFC	50	3	380/400	Medium Temp, Low Condensing
R-404A HFC	50	3	380/400	Air Conditioning
R-507 HFC	50	3	380/400	Medium Temp, Low Condensing
R-507 HFC	50	3	380/400	Air Conditioning
R-407C HFC	50	3	380/400	Medium Temp, Low Condensing
R-407C HFC	50	3	380/400	Air Conditioning
R-407A HFC	50	3	380/400	Medium Temp, Low Condensing
R-407A HFC	50	3	380/400	Air Conditioning
R-407F HFC	50	3	380/400	Medium Temp, Low Condensing
R-407F HFC	50	3	380/400	Air Conditioning
R-448A HFO	50	3	380/400	Medium Temp, Low Condensing
R-448A HFO	50	3	380/400	
R-449A HFO	50	3	380/400	Medium Temp, Low Condensing
R-449A HFO	50	3	380/400	
R-448A HFO	60	3	208/230	Medium Temp, Low Condensing
R-448A HFO	60	3	460	Medium Temp, Low Condensing
R-449A HFO	60	3	208/230	Medium Temp, Low Condensing
R-449A HFO	60	3	460	Medium Temp, Low Condensing
R-448A HFO	50	3	200	Medium Temp, Low Condensing
R-448A HFO	50	3	380/400	Medium Temp, Low Condensing
R-449A HFO	50	3	200	Medium Temp, Low Condensing
R-449A HFO	50	3	380/400	Medium Temp, Low Condensing