

# 3DB3R12ME-TFD

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

Air Conditioning



**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)	45	35
Condensing Temp. (°F)	130	105
Return Gas Temp. (°F)	65	55
Liquid Temp. (°F)	115	90
Capacity (Btu/hr)	146000	139000
Power (W):	12500	9550
Current (Amps):	18.95	15.05
EER (Btu/Wh):	11.70	14.60
Mass Flow (lbs/hr):	2140	1850
<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

Displacment(in <sup>3</sup> /Rev):	26.58
Displacment(ft <sup>3</sup> /hr):	1615.11
Overall Length (in):	27.30
Overall Width (in):	14.92
Overall Height (in):	19.68
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	20.52 *
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:	10.00
*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):	28.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	20.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	17.9
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-404A HFC	380/420	3	50	Medium Temp, Low Condensing
R-404A HFC	460	3	60	Medium Temp, Low Condensing
R-507 HFC	380/420	3	50	Medium Temp, Low Condensing
R-507 HFC	460	3	60	Medium Temp, Low Condensing
R-22 HCFC	460	3	60	Medium Temp, Low Condensing
R-22 HCFC	380/420	3	50	Air Conditioning
R-22 HCFC	380/420	3	50	Medium Temp, Low Condensing
R-407C HFC	460	3	60	Air Conditioning
R-407C HFC	460	3	60	Medium Temp, Low Condensing
R-407A HFC	380/420	3	50	Medium 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	Air Conditioning
R-407A HFC	460	3	60	Medium Temp, Low Condensing
R-407F HFC	380/420	3	50	Medium Temp, Low Condensing
R-407F HFC	460	3	60	Medium Temp, Low Condensing
R-448A HFO	380/420	3	50	Medium Temp, Low Condensing
R-448A HFO	460	3	60	Medium Temp, Low Condensing
R-449A HFO	380/420	3	50	Medium Temp, Low Condensing
R-449A HFO	460	3	60	Medium Temp, Low Condensing