2DL3R78KE-TFC

HCFC, R-22, 60 Hz, 3 -Phase, 208/230 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)	91000	87000
Power (W):	7600	5900
Current (Amps):	23.60	19.65
EER (Btu/Wh):	12.00	14.70
Mass Flow (lbs/hr):	1330	1160
Sound Data @		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	5.9 Max
Record Date:	2007-06-08	

Mechanical

Displacment(in^3/Rev):	16.59
Displacment(ft^3/hr):	1008.14
Overall Length (in):	23.63
Overall Width (in):	15.37
Overall Height (in):	18.55
Mounting Length (in):	11.62
Mounting Width (in):	11.00
Mounting Height (in):	20.05 *
Suction Size (in),Type:	1 3/8 Sweat
Discharge Size (in),Type:	7/8 Sweat
Initial Oil Charge (oz):	80
Oil Recharge (oz):	72
Net Weight (lbs):	325.0
Internal Free Volume (in^3):	
Horse Power:	6.50

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

Electrical

LRA-High*(Amp):	169.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	44.2
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	31.6
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	28.3
RPM:	
UL File No:	SA-2337
UL File Date:	1988-07-13

*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	200/220	3	50	Medium Temp, Low Condensing
R-404A HFC	208/230	3	60	Medium Temp, Low Condensing
R-507 HFC	200/220	3	50	Medium Temp, Low Condensing
R-507 HFC	208/230	3	60	Medium Temp, Low Condensing
R-22 HCFC	200/220	3	50	Air Conditioning
R-22 HCFC	200/220	3	50	Medium Temp, Low Condensing
R-22 HCFC	208/230	3	60	Medium Temp, Low Condensing
R-502 CFC	200/220	3	50	Medium Temperature
R-502 CFC	208/230	3	60	Medium Temperature
R-407C HFC	208/230	3	60	Air Conditioning

Copyright © 2010 Emerson Climate Technologies, Inc. All rights reserved.

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-407C HFC	208/230	3	60	Medium Temp, Low Condensing
R-407A HFC	200/220	3	50	Air Conditioning
R-407A HFC	200/220	3	50	Medium Temp, Low Condensing
R-407A HFC	208/230	3	60	Air Conditioning
R-407A HFC	208/230	3	60	Medium Temp, Low Condensing
R-407F HFC	200/220	3	50	Medium Temp, Low Condensing
R-407F HFC	208/230	3	60	Medium Temp, Low Condensing
R-448A HFO	200/220	3	50	Medium Temp, Low Condensing
R-448A HFO	208/230	3	60	Medium Temp, Low Condensing
R-449A HFO	200/220	3	50	Medium Temp, Low Condensing
R-449A HFO	208/230	3	60	Medium Temp, Low Condensing

Copyright © 2010 Emerson Climate Technologies, Inc. All rights reserved.