

ZFD41K5E-TFC

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

Low Temp, Liquid Injected

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)	35200	23700
Power (W):	8020	7350
Current (Amps):	52.50	49.40
EER (Btu/Wh):	4.40	3.20
Mass Flow (lbs/hr):	470	315
Sound Power (dBA):	82 Avg	87 Max
Vibration mils(peak-	3.0 Avg	4.5 Max
Record Date:	2016-03-23	

Mechanical

Number of Cylinders:	0	Displacement(in^3/Rev):	12.39
Bore Size(in):	0.00	Displacement(ft^3/hr):	1505.73
Stroke(in):	0.00		
Overall Length (in):	15.48	Mounting Length (in):	7.50
Overall Width (in):	12.28	Mounting Width (in):	7.50
Overall Height (in):	21.51	Mounting Height (in):	21.76 *
Suction Size (in),Type:	1 3/4 Rotalock		
Discharge Size (in),Type:	1 1/4 Rotalock		
Oil Recharge (oz):	110		
Initial Oil Charge (oz):	114		
Net Weight (lbs):	143		
Internal Free Volume (in^3):	798.0		
Horse Power:	12		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*(Amp):	248.0	MCC (Amps):	69.3	UL File No:	SA-2337
LRA-Half Winding		RPM:	3500	UL File Date:	17-Jan-2012
LRA Low* (Amp):		Max Operating Current	47.3		
RLA, MCC/1.4;use for contactor selection (Amp):	49.5				
RLA, MCC/1.56;use for breaker & wire size selection	44.4				
*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	Low Temp, Liquid Injected
R-404A HFC	60	3	208/230	Low Temp, Liquid Injected
R-404A HFC	50	3	200	Medium Temp, Economized
R-404A HFC	60	3	208/230	Medium Temp, Economized
R-404A HFC	50	3	200	Medium Temp, Liquid Injected
R-404A HFC	50	3	200	Low Temp, Economized
R-404A HFC	60	3	208/230	Medium Temp, Liquid Injected
R-404A HFC	60	3	208/230	Low Temp, Economized
R-507 HFC	50	3	200	Medium Temp, Economized
R-507 HFC	60	3	208/230	Medium Temp, Economized

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-507 HFC	50	3	200	Low Temp, Economized
R-507 HFC	60	3	208/230	Low Temp, Economized
R-507 HFC	50	3	200	Medium Temp, Liquid Injected
R-507 HFC	50	3	200	Low Temp, Liquid Injected
R-507 HFC	60	3	208/230	Medium Temp, Liquid Injected
R-507 HFC	60	3	208/230	Low Temp, Liquid Injected
R-22 HCFC	50	3	200	Medium Temp, Liquid Injected
R-22 HCFC	50	3	200	Low Temp, Liquid Injected
R-22 HCFC	60	3	208/230	Medium Temp, Liquid Injected
R-407C HFC	60	3	208/230	Medium Temp, Economized
R-407C HFC	50	3	200	Low Temp, Economized
R-407C HFC	60	3	208/230	Low Temp, Economized
R-407C HFC	50	3	200	Medium Temp, Economized
R-407C HFC	50	3	200	Medium Temp, Liquid Injected
R-407C HFC	50	3	200	Low Temp, Liquid Injected
R-407C HFC	60	3	208/230	Medium Temp, Liquid Injected
R-407C HFC	60	3	208/230	Low Temp, Liquid Injected
R-407A HFC	50	3	200	Medium Temp, Economized
R-407A HFC	60	3	208/230	Medium Temp, Economized
R-407A HFC	50	3	200	Low Temp, Economized
R-407A HFC	60	3	208/230	Low Temp, Economized
R-407A HFC	50	3	200	Medium Temp, Liquid Injected
R-407A HFC	50	3	200	Low Temp, Liquid Injected
R-407A HFC	60	3	208/230	Medium Temp, Liquid Injected
R-407A HFC	60	3	208/230	Low Temp, Liquid Injected
R-407F HFC	50	3	200	Low Temp, Economized
R-407F HFC	60	3	208/230	Low Temp, Economized
R-407F HFC	50	3	200	Low Temp, Liquid Injected
R-407F HFC	60	3	208/230	Low Temp, Liquid Injected
R-448A HFO	50	3	200	Medium Temp, Economized
R-448A HFO	50	3	200	Low Temp, Economized
R-448A HFO	60	3	208/230	Medium Temp, Economized
R-448A HFO	60	3	208/230	Low Temp, Economized
R-448A HFO	50	3	200	Medium Temp, Liquid Injected
R-448A HFO	50	3	200	Low Temp, Liquid Injected
R-448A HFO	60	3	208/230	Medium Temp, Liquid Injected
R-448A HFO	60	3	208/230	Low Temp, Liquid Injected
R-449A HFO	50	3	200	Medium Temp, Economized
R-449A HFO	50	3	200	Low Temp, Economized
R-449A HFO	60	3	208/230	Medium Temp, Economized
R-449A HFO	60	3	208/230	Low Temp, Economized
R-449A HFO	50	3	200	Medium Temp, Liquid Injected
R-449A HFO	50	3	200	Low Temp, Liquid Injected

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-449A HFO	60	3	208/230	Medium Temp, Liquid Injected
R-449A HFO	60	3	208/230	Low Temp, Liquid Injected