

# ZR61K3E-TFD

HFC, R-407C, 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

Evap(°F)/Cond(°F)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	58700	70800
Power (Watts):	5470	3620
Current (Amps):	8.20	6.10
EER (Btu/Wh):	10.75	19.55
Mass Flow (lbs/hr):	848	874
<b>Sound Data @</b>		
Sound Power (dBA):	74 Avg	79 Max
Vibration (mils(peak-peak)):	2.0 Avg	3.0 Max
Record Date:	2014-08-07	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	5.04
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	612.50
Stroke(in):	0.00		
Overall Length (in):	9.69	Mounting Length (in):	7.50
Overall Width (in):	9.69	Mounting Width (in):	7.50
Overall Height (in):	17.24	Mounting Height (in):	17.99 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		62	
Initial Oil Charge (oz):		66	
Net Weight (lbs):		84	
Internal Free Volume (in <sup>3</sup> ):		257.0	
Horse Power:		5	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	62.0	MCC (Amps):	12.8	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	26-Jul-1993
LRA Low*:		Max Operating Current:	9.6		
RLA(=MCC/1.4;use for contactor selection):			9.1		
RLA(=MCC/1.56;use for breaker & wire size selection):			8.2		
*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	60	3	460	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning
R-407C HFC	50	3	380/420	Air Conditioning