

# 4RK2-250A-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	65.0 / 90.0
Capacity (Btu/hr)	249000	248000
Power (Watts):	24500	19400
Current (Amps):	75.60	62.30
EER (Btu/Wh):	10.10	12.80
Mass Flow (lbs/hr):	3640	3300
Sound Power (dBA):		
Vibration (mils(peak-peak)):		
Record Date:	2005-04-08	

## Mechanical

Number of Cylinders:	4	Displ(in <sup>3</sup> /Rev):	49.67
Bore Size(in):	2.69	Displ(ft <sup>3</sup> /hr):	3017.79
Stroke(in):	2.19		
Overall Length (in):	26.41	Mounting Length (in):	15.00
Overall Width (in):	19.03	Mounting Width (in):	12.00
Overall Height (in):	17.97	Mounting Height (in):	19.16 *
Suction Size (in):		2 1/8 Sweat	
Discharge Size (in):		1 1/8 Sweat	
Oil Recharge (oz):		125	
Initial Oil Charge (oz):		135	
Net Weight (lbs):		600	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	428.0	MCC (Amps):	124.0	UL File No:	SA-2337
LRA-Half Winding:	250.0	RPM:	3500	UL File Date:	07-Apr-1971
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		88.6			
RLA(=MCC/1.56;use for breaker & wire size selection):		79.5			
*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	UL High Temp
R-22 HCFC	50	3	400	UL High Temp
R-22 HCFC	60	3	460	High Temp
R-22 HCFC	60	3	460	Air Conditioning
R-22 HCFC	60	3	208/230	High Temp
R-22 HCFC	50	3	200	UL High Temp
R-22 HCFC	50	3	400	UL High Temp
R-22 HCFC	60	3	208/230	Air Conditioning
R-22 HCFC	60	3	460	Air Conditioning
R-22 HCFC	60	3	208/230	High Temp

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-22 HCFC	60	3	460	High Temp