

4RK2-250A-TSK

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

Evaporator Temp. (°F)	45	35
Condensing Temp. (°F)	130	105
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	90
Capacity (Btu/hr)	249000	248000
Power (W):	24500	19400
Current (Amps):	37.80	31.20
EER (Btu/Wh):	10.10	12.80
Mass Flow (lbs/hr):	3640	3300
<u>Sound Data @</u>		
Sound Power (dBA):		
Vibration mils(peak-peak):		
Record Date:	2005-04-08	

Electrical

LRA-High*(Amp):	214.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	62.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	44.3
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	39.7
RPM:	
UL File No:	SA-2337
UL File Date:	1971-04-07
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

Mechanical

Displacment(in^3/Rev):	49.67
Displacment(ft^3/hr):	3017.79
Overall Length (in):	26.41
Overall Width (in):	19.03
Overall Height (in):	17.97
Mounting Length (in):	15.00
Mounting Width (in):	12.00
Mounting Height (in):	19.16 *
Suction Size (in),Type:	2 1/8 Sweat
Discharge Size (in),Type:	1 1/8 Sweat
Initial Oil Charge (oz):	135
Oil Recharge (oz):	125
Net Weight (lbs):	439.0
Internal Free Volume (in^3):	
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Capacitors

Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-22 HCFC	400	3	50	UL High Temp
R-22 HCFC	400	3	50	UL High Temp
R-22 HCFC	208/230	3	60	Air Conditioning
R-22 HCFC	208/230	3	60	High Temp
R-22 HCFC	400	3	50	UL High Temp
R-22 HCFC	400	3	50	UL High Temp
R-22 HCFC	460	3	60	High Temp
R-22 HCFC	208/230	3	60	Air Conditioning
R-22 HCFC	460	3	60	Air Conditioning
R-22 HCFC	208/230	3	60	High Temp

Alternate Applications

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