

# 6RL1-250A-TSK

CFC, R-502, 60Hz, 3- Phase, 460 V

Low Temperature



**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)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	80500	53500
Power (Watts):	17400	12800
Current (Amps):	28.50	23.20
EER (Btu/Wh):	4.60	4.20
Mass Flow (lbs/hr):	1590	1040
Sound Power (dBA):		
Vibration (mils(peak-peak)):		
Record Date:	2006-08-02	

## Mechanical

Number of Cylinders:	6	Displ(in <sup>3</sup> /Rev):	74.50
Bore Size(in):	2.69	Displ(ft <sup>3</sup> /hr):	4526.69
Stroke(in):	2.19		
Overall Length (in):	29.41	Mounting Length (in):	15.00
Overall Width (in):	20.53	Mounting Width (in):	12.00
Overall Height (in):	24.81	Mounting Height (in):	26.00 *
Suction Size (in):		2 1/8 Sweat	
Discharge Size (in):		1 3/8	
Oil Recharge (oz):		130	
Initial Oil Charge (oz):		140	
Net Weight (lbs):		505	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	214.0	MCC (Amps):	67.9	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	07-Apr-1971
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		48.5			
RLA(=MCC/1.56;use for breaker & wire size selection):		43.5			
*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-502 CFC	50	3	200	Low Temperature
R-502 CFC	50	3	400	Low Temperature
R-502 CFC	60	3	208/230	Low Temperature