

**Copeland®**

**COPELAND QR  
COMPRESSORS  
CLEARLY THE BEST**

**QR90**

**بازرگانی جنرال کول**

جهت دریافت مشاوره فنی با کارشناسان ما در تماس باشید

شماره تماس مستقیم : ۰۹۱۲۶۳۴۳۴۳۶

**[www.generalcooltrade.com](http://www.generalcooltrade.com)**

مهندس سید آرش مرتضی نیا



**EMERSON™**  
Climate Technologies

# QR90K1-TFD

HCFC, R-22, 50 Hz, 3 -Phase, 380/420 V

Air Conditioning



## Performance

Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	74100	99600
Power (W):	7580	6370
Current (Amps):	13.30	11.60
EER (Btu/Wh):	9.80	15.60
Mass Flow (lbs/hr):	1090	1280
Sound Data @		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	1995-03-24	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	10.83
Displacement(ft <sup>3</sup> /hr):	1090.36
Overall Length (in):	14.25
Overall Width (in):	13.25
Overall Height (in):	18.44
Mounting Length (in):	8.66
Mounting Width (in):	8.66
Mounting Height (in):	18.63 *
Suction Size (in),Type:	1 1/8 Stub
Discharge Size (in),Type:	3/4 Stub
Initial Oil Charge (oz):	110
Oil Recharge (oz):	106
Net Weight (lbs):	175.0
Internal Free Volume (in <sup>3</sup> ):	
Horse Power:	

\*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

LRA-High*(Amp):	91.1
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	22.1
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	15.8
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	14.2
RPM:	2900
UL File No:	
UL File Date:	

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Capacitors

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-22 HCFC	380/460	3	60	Air Conditioning