

QR90K1-TFD

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



Production Status: Restricted sale - Contact your Copeland Representative.

Performance

<u>Evap(°F)/Cond(°F)</u>	<u>45/130</u>	<u>45/100</u>
<u>RG(°F)/Liq(°F)</u>	<u>65/115</u>	<u>65/85</u>
Capacity (Btu/hr):	74100	99600
Power (Watts):	7600	6350
Current (Amps):	13.3	11.6
EER (Btu/Wh):	9.8	15.6
Mass Flow (lbs/hr):	1090	1280

Mechanical

Overall Length (in):	14.25	Mounting Length (in):	8.66
Overall Width (in):	13.25	Mounting Width (in):	8.66
Overall Height (in):	18.44	Mounting Height (in):	18.63
Suction Size (in):	1 1/8 Stub		
Discharge Size (in):	3/4 Stub		
Initial Oil Charge (oz):	110		
Oil Recharge (oz):	106		
Net Weight (lbs):	175		

Electrical

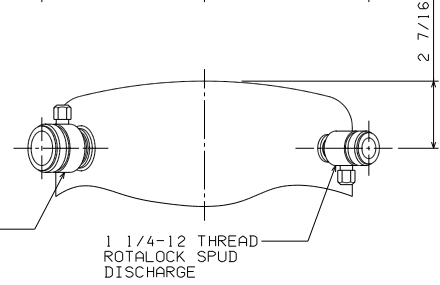
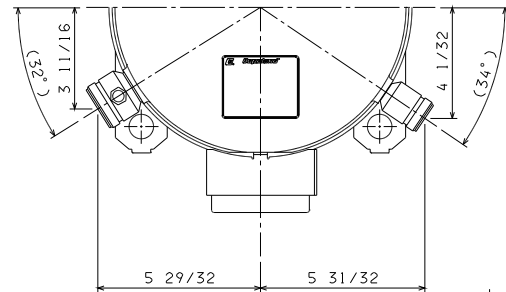
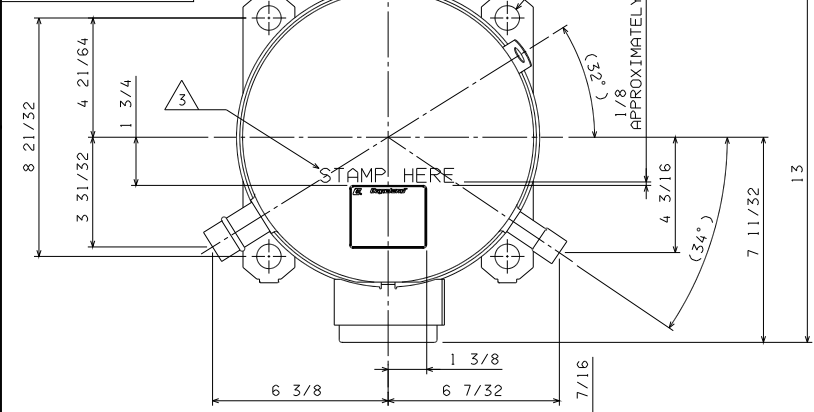
RLA:	15.8	UL File No.:	SA-2337	MCC (Amps):	22.1
LRA-Low:		UL File Date:	08-Feb-1984	RPM:	
LRA-High:	91.1			CSA File No.:	LR3104C
LRA-Half Winding:					

Alternate Applications

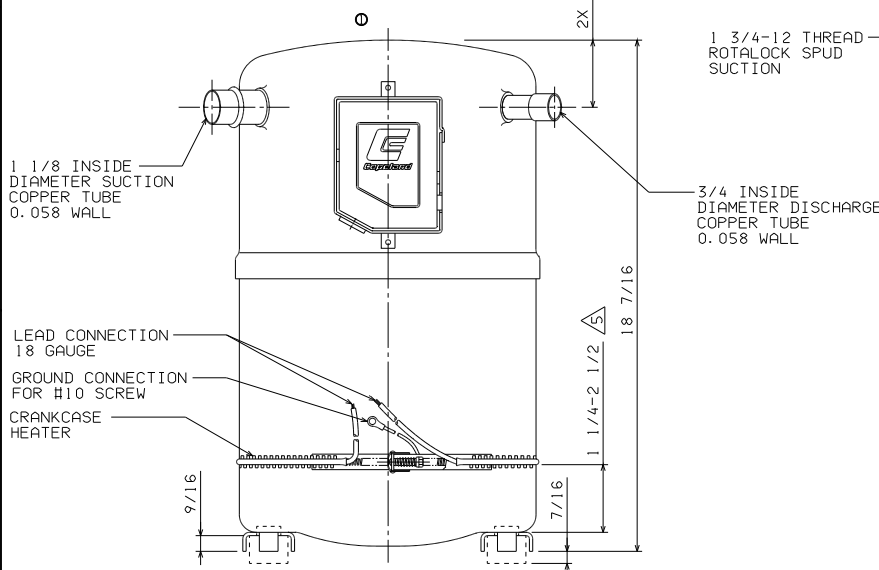
<u>Refrigerant</u>	<u>Frequency (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-22 HCFC	60	3	380/460	Air Conditioning

MODEL NUMBER
QR11M1-TFC, D, E
QR12M1-TFC, D, E
QR12ME-TFD
QR15M1-TFC, D, E
QR85K1-TFC, D, E
QR90K1-TFC, D, E

SPECIFICATIONS	
ES NO.	DESCRIPTION

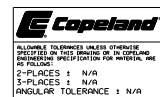


AVAILABLE OPTIONAL FITTINGS



DUE TO ACCUMULATED ASSEMBLY TOLERANCES THE LISTED COMPONENTS MAY VARY FROM THE MOUNTING HOLES AS TABULATED.	
DISCHARGE TUBE	± 0.125
SUCTION TUBE	± 0.188

- NOTES:
- TOLERANCES TO BE ±0.062 UNLESS OTHERWISE SPECIFIED.
 - TUBE ENDS MUST BE PLUGGED.
 - STAMP CUSTOMER PART NUMBER WITH H359 OPAQUE SILVER INK (COPELAND PART HE16104) AS REQUIRED PER B/M. LETTERS TO BE 3/8 HIGH.
 - CRANKCASE HEATER TO BE ENERGIZED FOR A MINIMUM OF FOUR (4) HOURS PRIOR TO COMPRESSOR START UP TO PREVENT HYDRAULIC OIL SLUGGING.
 - CRANKCASE HEATER TO BE LOCATED WITHIN THESE DIMENSIONS.



NOTICE
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32-0202-004	1	TERMINAL BOX PICTORIALY UPDATED	5-4-92	WF	WF
32-0397-016		RELEASE	5-30-97	WF	
CHANGE NOTICE NO.	REV. NO.	REVISIONS	DATE	BY	CHK'D
MATERIAL SPECIFICATIONS	DRAWN BY	CHECKED BY	APPROVED BY	SCALE	SUPERSEDES DWG. NO.
N/A	WFF	WF	DATE	HALF	
2-PLACES : N/A	3-PLACES : N/A	ANGULAR TOLERANCE : N/A	DATE	DO NOT SCALE THIS DRAWING	DATED
TITLE				DRAWING NUMBER	
REF DWG - WELD COMP ASSM				497-2670-00	
					DWG 4
					SHEET 4