

**FavorCOOL®**  
One Stop Solution For HVACR Products  
website [www.favorcool.com](http://www.favorcool.com)

## SECTION C



### ► Compressor

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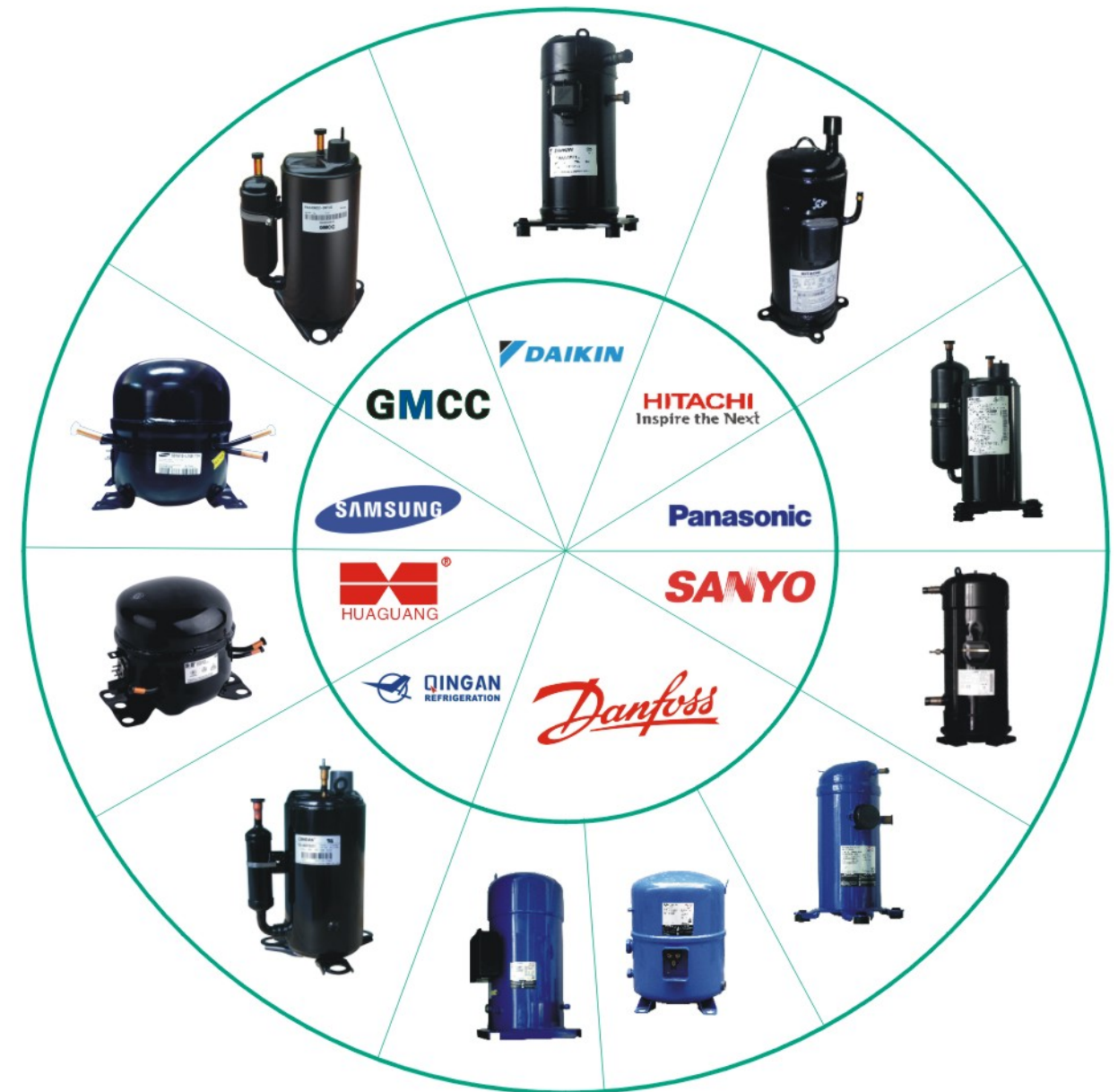
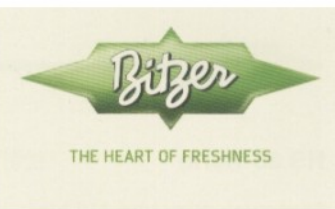


# Section C Series

Inspiration for better life

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We Supply:



A series  
B series  
C series  
D series  
E series  
F series  
G series  
H series  
I series

A series  
B series  
C series  
D series  
E series  
F series  
G series  
H series  
I series





### OEM Rotary Air-Conditioning Compressor (Refrigerant: R22)

Part No.	Power (hp)	Displ. (cm <sup>3</sup> )	Voltage (v)	Frequency (Hz)	Capacity (W) -23.3°C	Kcal/Hr	Btu/h	Input power (w)	Current (A)	Run Capacitor (uf/450v)
FCQX-13g	0.75	13.5	220	50	2120	1800	7200	730	3.5	25
FCQX-15g	1	15.8	220	50	2460	2100	8364	830	4.0	25
FCQX-16g	1	16.4	220	50	2730	2350	9282	915	4.2	25
FCQX-19g	1.25	19.3	220	50	3210	2750	10914	1100	5.1	30
FCQX-21g	1.5	21.3	220	50	3650	3150	12457	1210	5.6	30
FCQX-23g	1.5	23.5	220	50	3930	3400	13413	1300	6.1	30
FCQX-25g	1.75	25.4	220	50	4240	3650	14471	1410	6.6	35
FCQX-29g	2	29.2	220	50	4860	4150	16524	1630	7.7	35
FCQX-32g	2	32.1	220	50	5320	4550	18088	1780	8.5	40
FCQX-41g	3	41.2	220	50	6980	6000	23732	2360	11.2	45

\*R407c / R410A / R134a Compressors available ; 115V/60Hz Type available.

### FN(R134a) Series Refrigeration Compressor(LBP/MBP)

Model	Power HP	Displ. (cm <sup>3</sup> )	Motor Type	Cooling	Capacity(W)			COP	V/Hz	Oil Charge(cc)
					54.4°C/130 F Condensing Temp	W-23.3°C	Kcal/H			
QD43H	1/8	4.30	RSIR	S	112	96	382	1.09	220/50	230
QD52H	1/6	5.20	RSIR	S	132	114	450	1.15	220/50	230
FN57H	1/6+	5.70	RSIR	S	138	118	470	1.15	220/50	230
FN66H	1/5	6.60	RSIR	S	165	142	562	1.18	220/50	230
FN77H	1/4	7.70	RSIR	S	190	164	648	1.20	220/50	250
FN91H	1/4+	9.10	RSIR	S/F	212	182	723	1.23	220/50	250
FN110H	1/3	11.00	RSIR	F	284	232	968	1.23	220/50	250
FN128H	3/8	12.80	RSIR	F	320	275	1091	1.25	220/50	250
FN142H	1/2	14.20	RSIR	F	348	299	1187	1.26	220/50	250

#### Test Conditions:

- (1) Ambient Temp.=32.2°C (90F)
- (2) Condensing Temp.=54.4°C (130F)
- (3) Suction Temp.=32.2°C (90F)
- (4) Sub-cooling Temp.=32.2°C (90F)

#### Tolerance of performance data:

- (1) Capacity ≥95%
- (2) Input Power ≤115%
- (3) Current ≤110%
- (4) COP ≥93%

Cooling Type:  
S: Static Cooling  
F: Fan Cooling  
H: R134a Refrigerant

The compressor is the same with refrigeration implement which usually include refrigerator, refrigeration deepfreeze, kitchen refrigeration, display case, revelation tank, dehumidify appliance etc. The main feature: light compact, high efficiency, good reliability, low noise vibration.



### Huayi LBP Hermetic Compressor (R134a)

Model	Voltage (V)	Frequency (Hz)	Cooling Type	Displacement (cm <sup>3</sup> )	Cooling Capacity (W)	COP (W/W)	Motor Type
HYE55Y63	220-240	50-60	ST	5.5	150	1.28	RSIR
HYE60Y63	220-240	50-60	ST	6.0	170	1.28	RSIR
HYE69Y63	220-240	50-60	FC	6.7	190	1.26	RSIR
HYE55Y42	115	60	ST	5.5	175	1.28	RSIR
HYE60Y42	115	60	ST	6.0	200	1.28	RSIR
HYE60YG	220-240	50	ST	6.0	170	1.43	RSCR
HYE69YG	220-240	50	ST	6.7	190	1.43	RSCR
HYE51YG42	115	60	ST	5.1	165	1.43	RSCR
HYE60YK	220-240	50	ST	6.0	175	1.52	RSCR
HYE69YK	220-240	50	ST	6.7	195	1.52	RSCR
HYE55YT	220-240	50	ST	5.5	155	1.65	RSCR
HYE51YT42	115	60	ST	5.1	170	1.65	RSCR
HY69Y63	220-240	50-60	FC	6.9	195	1.12	RSIR
HY81Y	220-240	50	FC	8.1	235	1.25	RSIR
HY90Y	220-240	50	FC	9.0	265	1.30	RSIR
HY113Y	220-240	50	FC	11.3	315	1.30	CSR
HY131Y	220-240	50	FC	13.1	370	1.30	CSR
HY69Y42	115	60	FC	6.9	225	1.25	RSIR
HY69YH	220-240	50	ST	6.9	195	1.35	RSIR
HY69YG	220-240	50	ST	6.9	195	1.45	RSCR
HY81YG	220-240	50	ST	8.1	235	1.45	RSCR
HY90YG	220-240	50	FC	9.0	270	1.45	RSCR

### Huayi HBP Hermetic Compressor (R134a)

Model	Voltage (V)	Frequency (Hz)	Cooling Type	Displacement (cm <sup>3</sup> )	Cooling Capacity (W)	COP (W/W)	Motor Type
HY69YZ	220-240	50	FC	6.9	645	2.20	CSIR
HY81YZ	220-240	50	FC	8.1	745	2.20	CSIR
HY94YZ	220-240	50	FC	9.4	860	2.20	CSIR
HY69YZ42	115	60	FC	6.9	740	2.02	CSIR
HY81YZ42	115	60	FC	8.1	870	2.02	CSIR

#### Test Conditions

Evaporating Temperature  
Condensing Temperature  
Subcooling Temperature  
Suction Temperature  
Ambient Temperature

#### ASHRAE

7.2°C  
54.4°C  
46.1°C  
35°C  
35°C







QR Series



QHR Series

### QR Series Hermetic Compressor(Replacement for Tecumseh Compressor)

Model	Nominal Power (Hp)	Displacement (cm <sup>3</sup> )	Weight (kg)	Refrigerant	Oil Charge (cm <sup>3</sup> )	Power Source	Refrigeration Capacity at 50Hz Rated @54.5°C/130°F Cond.Temp					
							Evaporating Temperature					
							-25 °C	-15 °C	-10 °C	0 °C	+7 °C	+15 °C
QR44	2	44	33	R22	1500	220~240V/1PH/50Hz	1320*	1960	2480	4300	5770	7830
QR52	2.5	52	33	R22	1500	380V/3PH/50Hz	1610*	2370	3180	5300	7050	9200
QR58	3	58.2	34	R22	1500		1820*	2720	3680	5950	7900	10300
QR62	3	62.7	34	R22	1500		1950*	2890	3830	6300	8500	11540
QR3-44	2	44	31	R22	1500	380V/3PH/50Hz	1320*	1960	2480	4300	5770	7830
QR3-52	2.5	52	31	R22	1500		1610*	2370	3180	5300	7050	9200
QR3-58	3	58.2	33	R22	1500		1820*	2720	3680	5950	7900	10300
QR3-62	3	62.7	33	R22	1500	380V/3PH/50Hz	1950*	2890	3830	6300	8500	11540
QR3-74	3.5	74.2	33	R22	1500		2038*	3000	4300	7330	9860	12900
QR3-90	4	90.2	46	R22	2000		1330*	3100	4370	7840	11250	16000
QR3-100	4.5	100.7	46	R22	2000	380V/3PH/50Hz	1530*	3880	5310	9100	12930	18400
QR3-112	5	112.5	46	R22	2000		2060*	4470	6130	10600	14900	20660
QR3-124	6	124.4	48	R22	2000		2500*	5160	6970	11860	16640	23360
QR3-134	7	134.8	48	R22	2000	380V/3PH/50Hz	2800*	5630	7500	12630	17800	25200

### Replacement Information

Our Model	QR44	QR52	QR58	QR62	QR3-44	QR3-52	QR3-58	QR3-62	QR3-74	QR3-90	QR3-112	QR3-124	QR3-134
Tecumseh Model	4524	4528	4531	4538	4524	4528	4531	4538	4540	4546	4561	4568	4573
Power	2HP	2.5HP	3HP	3HP	2HP	2.5HP	3HP	3HP	3.5HP	4HP	5HP	6HP	7HP

Our Model	QR44A	QR52A	QR58A	QR62A	QR3-44A	QR3-52A	QR3-58A	QR3-62A	QR3-74A	QR3-90A	QR3-112A	QR3-124	QR3-134A
Tecumseh Model	5524	5528	5531	5538	5524	5528	5531	5538	5540	5546	5561	5568	5573
Power	2HP	2.5HP	3HP	3HP	2HP	2.5HP	3HP	3HP	3.5HP	4HP	5HP	6HP	7HP

### QHR Series Horizontal A/C Compressor

Refrigerant	Model	Power Source	Displacement (cm <sup>3</sup> )	Nominal Power		Input Power (w)	Current (A)	Capacitor UF/450VAC
				W	Btu/H			
R22	QHR-10E	220V/50HZ	1550	9.6	5270	530	2.45	20
R22	QHR-13E	220V/50HZ	2120	13.5	7208	750	3.5	25
R22	QHR-16E	220V/50HZ	2730	16.4	9282	950	4.5	25
R22	QHR-19E	220V/50HZ	3210	19.6	10914	1120	5.1	30
R22	QHR-23E	220V/50HZ	3920	23.6	13328	1360	6.3	35
R22	QHR-30E	220V/50HZ	5200	30.7	19680	1800	8.6	50
R22	QHR-36E	220V/50HZ	6060	35.7	20604	2090	9.8	50