

Mbsm.pro, Refrigeration, Compressor,  
GQR12TG, 3/8+ hp (big) ++, HBP,  
1168W, 1/2 Hp (LBP) , CSIR, R134A,  
Starting Capacitor 80UF, Displacement  
12.0cm<sup>3</sup>

Category: compressor

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GQR12TG Freezing



The GQR12TG is a hermetic reciprocating compressor manufactured by Sikelan. It is a 3/8 HP compressor that uses R134a refrigerant. It is designed for use in commercial refrigeration applications, such as water dispensers, ice machines, and small freezers.

The GQR12TG has a displacement of 12.8 cc and a cooling capacity of 1168 W. It has a voltage rating of 220-240 V and a frequency rating of 50-60 Hz. The compressor is also equipped with a current relay for starting.

Here are some of the key features of the GQR12TG compressor:

- 3/8 HP
- R134a refrigerant
- 12.8 cc displacement
- 1168 W cooling capacity
- 220-240 V voltage
- 50-60 Hz frequency
- Current relay for starting
- High back pressure design

Vol./Freq.□	220-240V / 50-60Hz
Cooling Capacity□	1168W
C.O.P□	2.20
Horse Power□	3/8+
Refrigerant□	R134A
Application□	HBP
The Evaporating Temperature (W)□	7.2°C

- 1)GQR12TG, WZ series, use R134A refrigerant;
- 2)Voltage application 220V to 240V;
- 3)Frequency for 50/60HZ;
- 4)Motor type: CSIR;
- 5)Cooling type: Fan;
- 6)Starting device is Current Starting Relay;
- 7)Application: Middle/Hight Back Pressure;
- 8)Nominal power is 3/8+HP;
- 9)COP is 2.3 with the cooling capacity 1168W.

### 1. Product Performance

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- 9)COP is 2.2 with the cooling capacity 1168W.

### Basing on Test Condition(ASHRAE)

Evaporating Temperature: -23.3 degree  
 Ambient Temperature: 35 degree  
 Subcooling Temperature: 46.1 degree  
 Condensing Temperature: 54.4 degree  
 Suction Temperature: 35 degree

### 2.Compressor Specification

Serial	Model	HP	(V/Hz)	Displacement (cm3)	Cooling Capacity -ASHRAE	Motor Starting type Device	Starting capacitor (uF)	Running capacitor (uF)	Cooling	Test Conditions:+7.2°C(45F) 10°C(50F)															
										-15°C(5F)	-10°C(10F)	-5°C(23F)	0°C(32F)	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h
L	GQR30TG	1/10	220V/50Hz	3.0	115	392	145	495	185	631	230	785	310	1050	140	0.9	2.2	7.56	365	1245	RSIR	PTC/Current Starting Relay	/	/	F
	GQR35TG	1/9	220V/50Hz	3.5	135	461	175	597	195	285	972	430	1467	195	1.1	2.2	7.52	475	1621	RSIR	/	/	/	F	
MS	GQR45TG	1/6	220V/50Hz	4.5	176	601	230	785	280	955	350	1194	480	1638	220	1.2	2.2	7.44	525	1791	RSIR	PTC/Current Starting Relay	/	/	F
	GQR55TG	1/6+	220V/50Hz	5.5	188	641	245	836	310	1058	390	1331	525	1791	250	1.3	2.1	7.17	575	1962	RSIR	/	/	F	
MK	GQR60TG	1/4	220V/50Hz	6.5	258	880	335	1143	435	1484	545	1860	665	2269	290	1.7	2.3	7.82	705	2405	RSIR	PTC/Current Starting Relay	/	/	F
	GQR70TG	1/4	220V/50Hz	7.0	285	972	370	1262	480	1638	595	2030	720	2457	340	1.9	2.1	7.23	765	2610	RSIR	/	/	F	
	GQR80TG	1/4+	220V/50Hz	8.0	324	1105	420	1433	550	1877	680	2320	810	2764	370	2.0	2.2	7.47	855	2917	RSIR	/	/	F	
	GQR90TG	1/3-	220V/50Hz	9.1	365	1245	474	1617	621	2119	768	2620	910	3105	420	2.2	2.2	7.39	955	3258	RSIR	/	/	F	
WZ	GQR80TG	1/4+	220V/50Hz	8.0	324	1105	420	1433	550	1877	680	2320	810	2764	370	2.0	2.2	7.47	855	2917	CSIR	Current Starting Relay	/	/	80 / F
	GQR90TG	1/3-	220V/50Hz	9.1	365	1245	474	1617	621	2119	768	2620	910	3105	420	2.2	2.2	7.39	955	3258	CSIR	80	/	F	
	GQR11TG	3/8	220V/50Hz	11.0	412	1406	536	1829	702	2395	868	2962	1034	3528	450	2.7	2.3	7.84	1079	3682	CSIR	80	/	F	
	GQR12TG	3/8+	220V/50Hz	12.8	467	1593	606	2068	793	2706	981	3347	1168	3985	530	3.2	2.2	7.52	1208	4122	CSIR	80	/	F	
	GQR14TG	1/2	220V/50Hz	14.2	527	1798	685	2337	896	3057	1108	3780	1320	4504	580	3.4	2.3	7.77	1365	4657	CSIR	80	/	F	
	GQR16TG	1/2+	220V/50Hz	15.3	580	1979	754	2573	1012	3453	1252	4272	1492	5091	640	3.8	2.3	7.95	1535	5237	CSIR	80	/	F	
	GQR19TG	3/4	220V/50Hz	19.0	755	2576	940	3207	1175	4009	1255	4282	1850	6312	804	4.5	2.3	7.85	1895	6466	CSIR	80	/	F	

KONOR	Displ.	power	Motor type	V/Hz	Cooling capacity	Net Weight	KG
GQR60AA	6	1/6	RSIR	220-240V/50Hz	140	9.4	
GQR70AA	6.6	1/5	RSIR	220-240V/50Hz	165	9.4	
GQR80AA	8.1	1/4	RSIR	220-240V/50Hz	198	9.4	
GQR90AA	9.1	1/4	RSIR	220-240V/50Hz	220	10.1	
GQY99AA	9.9	1/4	RSIR	220-240V/50Hz	270	10.9	

GQY12AF	11.8	1/3	CSIR	220-240V/50Hz	325	10.56
GQY16AF	16.2	3/8	CSIR	220-240V/50Hz	380	12.1
GP16MG	16.2	5/8	CSIR	220-240V/50Hz	870	12.5
GP12MG	11.8	5/8	CSIR	220-240V/50Hz	656	10.9
GP12TG	11.8	3/8	CSIR	220-240V/50Hz	1140	11.8
GQR80TG	8.1	1/4	CSIR	220-240V/50Hz	730	9.8
GQR90TG	9.1	1/4	CSIR	220-240V/50Hz	830	10.5
GQR60TG	6	1/5	CSIR	220-240V/50Hz	520	9.8



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153	L	QD35HG	1/11	3,5		75	шт	16720	
154	ML	ADW51	1/6	5,1		125	шт	19360	
155	ML	ADW57	1/5-	5,7		135	шт	19800	
156	ML	ADW66	1/4-	6,6		165	шт	0	
157	MX	ADW77	1/4	7,7		185	шт	0	
158	MX	ADW86	1/4+	8,6		200	шт	23760	
159	MX	ADW91	1/3-	9,1		220	шт	0	
160	MQ	ADW110	1/3	11,0		270	шт	0	
161	MQ	ADW128	3/8+	12,8		320	шт	27720	
162	MQ	ADW142	1/2-	14,2		350	шт	28600	
163	MQ	ADW153	1/2	15,3		380	шт	29040	
164	MQ	ADW168	1/2+	16,8		430	шт	29480	
№	Модель	HBP R134a	HP	см3/час	Мотор	Обмотка	Мощность, ватт 7,2/54,4C	Ед. изм.	Цена, тг.
165	MQ	GQR12TG	3/8+	12,7	SIR	медь (Cu)	1300	шт	29480
166	MQ	GQR14TG	1/2	14,3			1450	шт	30800
167	MQ	GQR16TG	1/2+	15,3			1490	шт	32120
№	Модель	LBP R404a	HP	см3/час	Мотор	Обмотка	Мощность, ватт -23,3/54,4C	Ед. изм.	Цена, тг.
168	MQ	GQR80K	1/3+	8,0	CSIR	медь (Cu)	465	шт	30800
169	MQ	GQR90K	1/2-	9,0			515	шт	31680
170	MD	GQR11K	1/2	11,0			565	шт	0
171	MD	GQR12K	3/4	12,1			640	шт	45320
172	MD	GQR14K	3/4	14,3	CSR	750	шт	47080	
173	MD	GQR16K	4/5	16,2		850	шт	47960	
174	MD	GQR19K	7/8	19,0		920	шт	49280	

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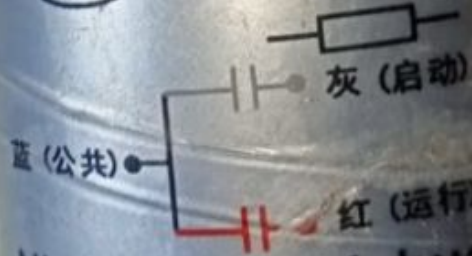
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RLVH® CBB65-B (RoHS)  
80µF±5% 330V 1min/1.67%  
15µF±5% 450V B S2 SH  
40/85/21



50/60Hz



Ningguo

Yuhua