

# GQR16TG, light, commercial, refrigeration, compressor ,1 / 2+ HP, 220V/50Hz, CSIR, capacitor:08UF, R134A, Middle/High Back Pressure

written by Mbsm | 28 juin 2020

## Specifications

GQR16TG light commercial refrigeration compressor

### 1.Product Specification

- 1)GQR16TG ,WZ series, use R134A refrigerant;
- 2)Voltage application 220V to 240V;
- 3)Frequency for 50/60HZ;
- 4)Motor type: CSIR;
- 5)Cooling type: ST;
- 6)Starting device is starting Relay;
- 7)Application: Middle & High Back Pressure;
- 8)Nominal power is 1 / 2+ HP;
- 9)COP is 2.3. with the cooling capacity 1492W.

### Compressor Specification

Serial	Model	HP	(V/Hz)	Displacement (cm <sup>3</sup> )	Cooling Capacity ASHRAE	Motor type	Starting Device	Starting capacitor (uF)	Running capacitor (uF)	Cooling				
Test Conditions:+7.2□(45F)														
Capacity (W)	Capacity (Btu/h)	Input Power(w)	Current (A)	COP (W/W)	COP (Btu/Wh)									
WZ	GQR80TG	1/4+	220V/50Hz	8.0	810	2764	370	2.0	2.2	7.47	CSIR	Current Starting Relay	80	/ F
GQR90TG	1/3-	220V/50Hz	9.1	910	3105	420	2.2	2.2	7.39	CSIR	80	/	F	
GQR11TG	3/8	220V/50Hz	11.0	1034	3528	450	2.7	2.3	7.84	CSIR	80	/	F	
GQR12TG	3/8+	220V/50Hz	12.8	1168	3985	530	3.2	2.2	7.52	CSIR	80	/	F	
GQR14TG	1/2	220V/50Hz	14.2	1320	4504	580	3.4	2.3	7.77	CSIR	80	/	F	
GQR16TG	1/2+	220V/50Hz	15.3	1492	5091	640	3.8	2.3	7.95	CSIR	80	/	F	
GQR19TG	3/4	220V/50Hz	19.0	1850	6312	804	4.5	2.3	7.85	CSIR	80	/	F	

### 1. Product Performance

- 1)GQR16TG, 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 1/2+HP;
- 9)COP is 2.3 with the cooling capacity 1492W.

### 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 type	Starting Device	Starting capacitor (uF)	Running capacitor (uF)	Cooling																
		-15°C(5F)	-10°C(10F)	-5°C(23F)	0°C(32F)								Test Conditions:+7.2°C(45F)		10°C(50F)	W	Btu/h	W	Btu/h	Capacity (W)	Capacity (Btu/h)	Input Power(w)	Current (A)	COP (W/W)	COP (Btu/Wh)	W	Btu/h	PTC/Current Starting Relay
L	GQR30TG	1/10	220V/50Hz	3.0	115	392	145	495	185	631	230	785	310	1058	140	0.9	2.2	7.56	365	1245	RSIR	/	/	F				
GQR35TG	1/9	220V/50Hz	3.5	135	461	175	597	195	665	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	/	/	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	/	/	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					



Heating & Refrigerating  
**SIKELAN**

**GQR16TG**

220-240V~50Hz 1PH

**R134a**



MADE IN CHINA

22.02.2018

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Zhejiang Naidi Refrigeration Technology Co., Ltd.

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GQR90TG 1/3 HP