

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

Category: compressor

written by Lilianne | 28 June 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 ³)	Cooling Capacity ASHRAE	Motor type	Starting Device	Starting capacitor (uF)	Running capacitor (uF)	Cooling	Current Starting Relay	80 / F
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	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/High 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	Current Starting Relay	80 / F										
Test Conditions:+7.2□(45F) 10°C(50F)																						
W	Btu/h	W	Btu/h	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	/ / F					
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	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

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Zhejiang Baidi Refrigeration Technology Co., Ltd.

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GQR90TG 1/3 HP

◎ R134a LBP 220-240V/50-60Hz

系列 应用工况	型号 Model	排气 量 Displ.	电机 功率 Power	电机 类型 Motor type	制冷量 (W) 蒸发温度 (°C) / Cooling Capacity ASHRAE											输入 功率 Input Power without RC	性能 系数 COP without RC	高度 Height (h)	
					-30	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10				
					W / °C														w
MS 系列 LBP	ADW43	4.3	1/6-	RSIR	65	85	110	138	172	216	268	330					100	1.10	157
	ADW51	5.1	1/6	RSIR	74	96	125	156	195	245	305	375					104	1.20	157
	ADW57	5.7	1/5-	RSIR	80	104	135	169	211	265	329	405					113	1.20	157
	ADW66	6.6	1/4-	RSIR	97	127	165	206	257	323	403	495					132	1.25	157
	ADW77	7.7	1/4	RSIR	109	142	185	231	289	363	451	555					148	1.25	157
	ADW86	8.6	1/4+	RSIR	118	154	200	250	312	392	488	600					160	1.25	157
	ADW91	9.1	1/3-	RSIR	130	169	220	275	343	431	537	660					176	1.25	157
WO 系列 LBP	ADW91	9.1	1/3-	RSIR	130	169	220	275	343	431	537	660					176	1.25	190
	ADW110	11.0	3/8	RSIR	159	208	270	338	421	529	659	810					216	1.25	190
	ADW128	12.8	3/8+	CSIR	189	246	320	400	499	627	781	960					256	1.25	190
	ADW142	14.2	1/2-	CSIR	207	270	350	438	546	686	854	1050					280	1.25	190
	ADW153	15.3	1/2	CSIR	224	293	380	475	593	745	927	1140					304	1.25	190

◎ R134a M/HBP 220-240V/50-60Hz

展示系 列/HBP	QQR30TG	3.0	1/10	RSIR				99	122	149	189	236	288	310	347	140	2.20	138
	QQR35TG	3.5	1/9	RSIR				137	169	207	262	327	400	430	482	195	2.20	138
	QQR45TG	4.5	1/6	RSIR				153	189	231	293	365	446	480	538	220	2.20	157
	QQR55TG	5.5	1/6+	RSIR				167	207	253	320	399	488	525	588	250	2.10	157
	QQR60TG	6.5	1/4	RSIR				212	262	320	406	505	618	665	745	290	2.30	172
	QQR70TG	7.0	1/4	RSIR				230	284	346	439	547	670	720	806	340	2.10	172
	QQR80TG	8.0	1/4+	RSIR				258	319	390	494	616	753	810	907	370	2.20	172
	QQR90TG	9.1	1/3-	RSIR				290	359	438	555	692	846	910	1019	420	2.20	172
	QQR11TG	11.0	3/8	CSIR				330	407	497	631	786	962	1034	1158	450	2.30	194
	QQR12TG	12.8	3/8+	CSIR				373	460	562	712	888	1086	1168	1308	530	2.20	194
	QQR14TG	14.2	1/2	CSIR				421	520	635	805	1003	1228	1320	1478	580	2.30	194
	QQR16TG	15.3	1/2+	CSIR				476	588	718	910	1134	1388	1492	1671	640	2.30	194
	QQR19TG	19.0	3/4	CSIR				590	729	890	1129	1406	1721	1850	2072	804	2.30	194