

Catalog

# Rotary / Scroll Compressor for Air Conditioning



**LG Electronics Inc.**

# World Best Compressor Supply through Global Production

LG offers the most extensive line of innovative products availability for air conditioning through over 17.0 million units of manufacturing capacity globally.

## Global Plants

• TianJin Factory, China



### Rotary & Scroll & Inverter Compressor

- 2008, production capacity: 7.0M sets
- 2009, production capacity: 8.0M sets
- 2010, production capacity: 9.0M sets

• Changwon Factory, Korea



### Rotary & Scroll Compressor

- 2008, production capacity: 4.5M sets
- 2009, production capacity: 5.0M sets
- 2010, production capacity: 5.5M sets

TianJin Factory, China

Changwon Factory, Korea

Rayong Factory, Thailand

• Rayong Factory, Thailand



### Rotary Compressor

- 2008, production capacity: 2.0M sets
- 2009, production capacity: 2.5M sets
- 2010, production capacity: 3.0M sets

## Domestic 1 Grade

### R22 Specification

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 220V	QKS141H	8100	2374	723	11.2	3.28	350	243.3	250	44.6	75	114
	QKS151H	8700	2550	777	11.2	3.28	350	243.3	250	44.6	75	114
	QJ191H	11070	3244	988	11.2	3.28	410	264.8	229	37.4	75	114
	QJ208H	12100	3546	1080	11.2	3.28	410	264.8	229	37.4	75	114

### R410A Specification

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	对应 AC
		[Btu/hr]	[Watts]					
1PH, 220V	GKS086H	7111	2084	690	10.3	3.02	330	KFR-23
	GKS094H	7710	2260	749	10.3	3.02	330	KFR-23
	GKS102H	8224	2410	798	10.3	3.02	330	KFR-26
	GKS108H	8738	2561	848	10.3	3.02	330	KFR-26
	GKS120H	9938	2913	965	10.3	3.02	330	KFR-32
	GKS126H	10280	3013	998	10.3	3.02	330	KFR-32
	GKS134H	10966	3214	1065	10.3	3.02	350	KFR-35
	GJS180H	15511	4546	1491	10.4	3.05	440	KFR-51
	GPS270H	22650	6638	2199	10.3	3.02	700	3Hp
	GPS290H	24300	7122	2359	10.3	3.02	700	3Hp



# R22 Rotary(50Hz)

## QA Series

Power Source	Model	Cooling Capacity				Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions							
		[Btu/hr]	[Watts]							A	B	C	D	E			
1PH, 220-240V	QA066P	3720	1090	372	10.0	2.94	230	216.7	200	38.9	50.8	89					
	QA075P	4110	1204	410	10.0	2.94	290	223.9	220	45.9	50.8	86					
	QA102P	5830	1709	555	10.5	3.08	250	229.9	220	44	50.8	89					
	QA114P	6468	1895	625	10.4	3.05	290	230	160	45.9	41.3	83					
	QA125P	7100	2081	670	10.6	3.11	290	226.7	200	36	31.8	89					
1PH, 100V-50/60Hz	QA104A	5900	7050	1729	2066	608	698	9.7	10.1	2.8	2.96	290	216.7	168	45.9	31.8	88

## QK Series

Power Source	Model	Cooling Capacity				Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]							A	B	C	D	E
1PH, 220V	QK145H	8400	2462	785	10.7	3.14	350	227.3	200	33.6	50.8	93		
	QK156H	9000	2637	841	10.7	3.14	350	238.2	200	44.5	50.8	93		
	QK164H	9550	2799	892	10.7	3.14	350	216.7	200	43.6	50.8	93		
	QK173H	10380	3042	980	10.6	3.10	280	232.3	200	43.6	50.8	93		
	QK175H	10500	3077	980	10.7	3.14	310	240.3	200	43.6	50.8	93		
1PH, 220-240V	QK125P	7100	2081	670	10.6	3.11	350	230.2	220	44.5	50.8	93		
	QK145P	8400	2462	785	10.7	3.14	350	277.3	200	33.6	50.8	93		
	QK156P	8840	2590	835	10.6	3.11	280	238.2	220	39.5	50.8	93		
	QK164P	9250	2711	885	10.5	3.08	350	230.2	220	39.5	50.8	93		
	QK175P	10000	2930	952	10.5	3.08	350	223.3	220	33.6	50.8	93		
	QK222P	13150	3854	1229	10.7	3.14	380	252	220	48.5	65.0	103		

## QJ Series

Power Source	Model	Cooling Capacity				Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]							A	B	C	D	E
1PH, 220V	QJ208H	12360	3623	1126	11.0	3.22	410	254.8	220	37.4	65	109		
	QJ215H	12600	3693	1177	10.7	3.14	410	247.8	220	37.4	65	109		
	QJ222H	12850	3766	1200	10.7	3.14	410	254.8	220	37.4	65	109		
	QJ230H	13500	3957	1273	10.6	3.11	410	254.8	220	37.4	65	109		
	QJ236H	13930	4083	1315	10.6	3.11	410	247.8	220	37.4	65	109		
	QJ250H	14450	4235	1355	10.7	3.14	410	261.5	220	59.5	65	109		
1PH, 220-240V	QJ208P	11800	3458	1092	10.8	3.17	410	254.6	220	37.2	65	109		
	QJ292P	16700	4894	1621	10.3	3.02	510	267.5	229	69.8	75	113		
	QJ306P	18300	5363	1710	10.7	3.14	450	291.5	272	46.0	75	113		
	QJ325P	18600	5451	1898	9.8	2.87	600	285.3	283	46.0	75	113		

1) Value of cooling capacity, motor input, EER and COP are normal and subject to variation of  $\pm 5\%$ .

2) Performance datums are referred to ASHARE-T condition, 1ph, 220/240V, 50Hz

3) Figures in the table are subject to change without prior notice for performance improvement.

4) ASHARE-T condition is below,

-Evaporating Temperature 7.2°C (45° F) -Condensing Temperature 54.4°C (130° F)

-Retune Gas Temperature 35.0°C (95° F) -Liquid Temperature 46.1°C (115° F)

-Ambient Temperature 35.0°C (95° F)

## R22 Rotary(50Hz)



### QV Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 220V	QV286H	16850	4938	1504	11.2	3.28	700	292	292	49.7	75	118.6
	QV295H	17600	5158	1571	11.2	3.28	700	292	292	49.7	75	118.6
	QV306H	18200	5334	1625	11.2	3.28	700	292	292	49.7	75	118.6
1PH, 220V-240V	QV286P	16850	4938	1504	11.2	3.28	700	292	292	49.7	75	118.6
	QV295P	17600	5158	1571	11.2	3.28	700	292	250	49.7	90	118.6
	QV306P	18200	5334	1625	11.2	3.28	700	292	292	49.7	75	118.6

### QP Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 220-240V	QP407P	24700	7239	2287	10.8	3.17	700	284	292	49.6	75	123.4
	QP425P	25300	7415	2342	10.8	3.17	700	295	292	53.3	75	123.4
	QP442P	26000	7620	2430	10.7	3.14	700	295	292	53.3	75	123.4

### Twin Rotary Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 220V	QJT310H	18000	5275	1650	10.9	3.19	600	299	283	81.9	75	114
	QJT325H	19000	5568	1727	11.0	3.22	600	299	283	81.9	75	114
	QJT336H	19750	5788	1796	11.0	3.22	650	309	283	81.9	75	114
	QJT348H	20430	5987	1857	11.0	3.22	650	299	283	81.9	75	114
	QJT362H	21200	6213	2019	10.5	3.08	650	299	283	81.9	75	114
	QPT425H	25350	7429	2320	10.9	3.19	800	336.4	342.6	55.6	90	133.4
1PH, 220-240V	QJT310P	18100	5304	1792	10.1	2.96	800	335.3	298	67.8	75	113
	QPT488P	29380	8610	2660	11.0	3.24	800	336.4	342.6	55.6	90	133.4
3PH, 380/420V	QPT525Y	30780	9020	2850	10.8	3.16	1230	364.7	342.6	74.4	90	133.4

- 1) Value of cooling capacity, motor input, EER and COP are normal and subject to variation of  $\pm 5\%$ .  
 2) Performance datums are referred to ASHARE-T condition, for H and J code at 1Ph, 220v, 50Hz for Y code at 3Ph, 380/420V, 50hz.  
 3) Figures in the table are subject to change without prior notice for performance improvement.



# R22 Rotary(60Hz)

## QS Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH,115V	QS050C	3440	1008	370	9.3	2.73	180	182	148	33	31.8	81
	QS064C	4450	1304	473	9.4	2.75	180	182	148	33	31.8	81
	QS072C	5305	1555	510	10.4	3.05	180	196.3	148	31	31.8	81
	QS075C	5250	1539	515	10.2	2.99	180	196.3	148	31	31.8	81

## QA Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH,115V	QA064C	4450	1304	460	9.7	2.83	240	228.9	168	37	31.8	86.2
	QA075C	5250	1538	482	10.9	3.19	260	215.4	181	38.9	31.8	86.2
	QA102C	7200	2110	680	10.6	3.11	230	219.7	181	42.2	31.8	87
	QA104C	7250	2125	670	10.8	3.17	290	226.7	180	45.9	50.8	86.2
	QA110C	7885	2311	725	10.9	3.19	290	232.6	160	45.9	50.8	86.2
	QA114C	8000	2345	740	10.8	3.17	290	230	198	46	31.8	86.2
	QA125C	9000	2638	857	10.5	3.08	290	226.7	180	45.9	50.8	86.2
1PH, 208-230V	QA075K	5180	1518	494	10.5	3.08	230	223.9	220	38.9	31.8	86.2
	QA102K	7150	2096	662	10.8	3.17	250	230	220	44	65	97
	QA104K	7250	2125	670	10.8	3.17	290	226.7	220	45.9	50.8	86.2
	QA110K	7600	2227	705	10.8	3.17	290	226.7	160	45.9	50.8	86.2
	QA114K	7890	2312	730	10.8	3.17	290	226.7	200	45.9	50.8	86.2

## QK Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 115V	QK134C	9400	2756	854	11.0	3.22	280	222.3	220	38.6	50.8	93
	QK141C	9900	2901	900	11.0	3.22	280	222.3	220	33.6	50.8	93
	QK145C	10200	2989	927	11.0	3.22	280	222.3	200	38.6	50.8	93
	QK156C	11150	3267	1014	11.0	3.22	280	222.3	220	28.6	50.8	93
	QK164C	11600	3400	1054	11.0	3.22	280	222.3	220	28.6	50.8	93
	QK173C	12200	3575	1140	10.7	3.14	350	230.3	220	33.6	50.8	93
	QK175C	12300	3605	1144	10.8	3.17	350	230.3	220	33.6	50.8	93
	QK191C	13500	3956	1274	10.6	3.11	350	230	220	33.6	50.8	93
1PH, 208-230V	QK134K	9350	2740	874	10.7	3.14	280	224.3	220	39.5	50.8	93
	QK141K	9800	2872	907	10.8	3.17	350	219.3	220	33.6	50.8	93
	QK145K	10100	2960	935	10.8	3.17	280	214.3	220	28.6	50.8	93
	QK164K	11500	3370	1065	10.8	3.17	280	222.3	220	28.6	50.8	93
	QK173K	12100	3546	1141	10.6	3.11	350	223.3	220	33.6	50.8	93
	QK185K	13000	3810	1215	10.7	3.14	350	230.3	220	33.6	50.8	93
	QK191K	13400	3927	1252	10.7	3.14	350	230.3	220	33.6	65.0	103
	QK208K	14650	4293	1369	10.7	3.14	350	241.6	220	37.8	65.0	109
QK222K	15900	4660	1459	10.9	3.19	450	252	220	48.5	75.0	109	

1) Value of cooling capacity, motor input, EER and COP are normal and subject to variation of  $\pm 5\%$ .

2) Performance datums are referred to ASHARE-T condition, for C code at 1Ph, 115V, 60Hz for K code at 1Ph, 220V, 60Hz

3) Figures in the table are subject to change without prior notice for performance improvement.

# R22 Rotary(60Hz)



## QJ Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 208-230V	QJ185K	13100	3839	1190	11.0	3.22	410	244.6	220	37.2	50.8	102
	QJ196K	14100	4132	1270	11.1	3.25	410	244.6	220	37.2	50.8	102
	QJ208K	14650	4294	1356	10.8	3.17	410	244.6	220	37.2	50.8	102
	QJ230K	16300	4777	1495	10.9	3.19	410	247.8	265	37.2	65	109
	QJ250K	17700	5188	1606	11.0	3.22	410	251.3	220	38.3	65	109
	QJ258K	18500	5422	1715	10.8	3.17	510	251.3	220	38.3	65	109
	QJ278K	19600	5744	1815	10.8	3.17	500	256.3	229	43.3	75	113
	QJ282K	20100	5891	1897	10.6	3.11	510	256.3	229	43.3	75	113
QJ306K	22200	6506	2100	10.6	3.11	650	291.5	220	78.3	65	113	

## QV Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 208V-230V	QV306K	22300	6536	2030	11.0	3.22	650	292	292	49.7	75	118.6
	QV325K	23900	7005	2173	11.0	3.22	650	292	292	49.7	75	118.6
	QV348K	25700	7532	2379	10.8	3.17	650	292	292	49.7	75	118.6
	QV362K	26400	7737	2467	10.7	3.16	650	292	292	49.7	75	118.6

## QP Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 208-230V	QP325K	24000	7034	2162	11.1	3.25	700	295	292	53.3	75	123.4
	QP348K	25900	7591	2312	11.2	3.28	700	295	292	53.3	75	123.4
	QP376K	27700	8118	2541	10.9	3.19	700	295	292	53.3	75	123.4
	QP407K	30250	8866	2750	11.0	3.22	700	295	272	53.3	75	123.4
	QP425K	31900	9349	2929	10.9	3.19	700	295	292	53.3	75	123.4

## Twin Rotary Series

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 208-230V	QAT104K	7040	2063	690	10.2	2.99	280	226.6	160	51	50.8	95.6
	QAT134K	9130	2676	940	9.7	2.84	315	251.6	248.6	55	50.8	95.6
	QAT156K	10950	3209	1079	10.2	2.99	315	251.6	248.6	55	50.8	95.6
1PH, 115V	QAT145C	10000	2931	980	10.2	2.99	315	251.6	248.6	55	50.8	95.6
	QAT156C	10950	3209	1079	10.2	2.99	315	251.6	248.6	55	50.8	95.6
3PH, 380V	QPT442U	10720	3142	1094	9.8	2.87	1230	364.7	342.6	74.4	90	133.4

1) Value of cooling capacity, motor input, EER and COP are normal and subject to variation of  $\pm 5\%$ .

2) Performance datums are referred to ASHARE-T condition, for K code at 1Ph, 220V, 60Hz for Q code at 1Ph, 265V, 60Hz for R code at 3Ph, 220V, 60Hz, for U code at 3Ph, 380V, 60Hz.

3) Figures in the table are subject to change without prior notice for performance improvement.



# Tropical Rotary(T3)

## 50Hz Specification

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 220-240V	QJ208P	12150	3561	1125	10.8	3.17	410	247.8	220	47.4	65	108
	QJ264P	15250	4470	1445	10.6	3.11	450	266.3	229	43.3	75	113
	QV325P	19100	5598	1768	10.8	3.17	650	292	292	49.7	75	118.6
	QP325P	19200	5627	1778	10.8	3.17	700	295	259	53.3	75	123.4
	QP376P	22500	6593	2143	10.5	3.08	700	295	259	53.3	75	123.4
	QP407P	24100	7062	2317	10.4	3.05	700	295	272	53.3	75	123.4
	QP442P	26000	7619	2549	10.2	2.99	700	295	259	53.3	75	123.4
	QJT336P	19750	5788	1840	10.7	3.15	600	299	250	81	75	114
1PH, 220-240V	QPT442P	26000	7620	2487	10.5	3.06	800	325.1	259	81	75	123.4
	QPT525P	31100	9115	3450	9.0	2.64	1230	336.4	328	81	90	133.4

## 60Hz Specification

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 208-230V	QK173K	12400	3634	1204	10.3	3.02	350	230	220	33.6	50.8	93
	QJ258K	18300	5363	1777	10.3	3.02	510	251.3	220	38.3	65	109
	QJ278K	19600	5744	1867	10.5	3.08	500	256.3	229	43.3	75	113
	QV325K	24000	7034	2264	10.6	3.11	650	292	292	49.7	75	118.6
	QP325K	23700	6946	2257	10.5	3.08	700	284	272	53.3	75	123.4
	QJT336K	24200	7093	2260	10.7	3.14	600	299	283	81	75	114
	QJT348K	24550	7195	2294	10.7	3.14	600	299	229	81	75	114
	QJT362K	26000	7620	2460	10.6	3.11	750	327	250	81	75	114
	QPT442K	31700	9291	3020	10.5	3.08	800	336.4	250	81	90	133.4

- 1) Value of cooling capacity, motor input, EER and COP are normal and subject to variation of  $\pm 5\%$ .
- 2) Performance datums are referred to ASHARE-T condition, for P code at 1Ph, 220V, 50Hz for K code at 1Ph, 220V, 60Hz
- 3) Figures in the table are subject to change without prior notice for performance improvement.



# R410A Rotary



## 50Hz Specification

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 220-240V	GA066P	5270	1545	527	10.0	2.93	230	216.7	200	38.9	50.8	89
	GA086P	6900	2022	690	10.0	2.93	230	222.7	200	38.9	50.8	89
	GKS080P	6550	1920	636	10.3	3.02	330	229.3	200	43.6	50.8	93
	GKS086P	6900	2022	670	10.3	3.02	330	229.3	220	43.6	50.8	93
	GKS094P	7700	2257	748	10.3	3.02	330	229.3	220	43.6	50.8	93
	GKS102P	8250	2418	801	10.3	3.02	330	227.3	220	43.6	50.8	93
	GKS113P	9000	2638	874	10.3	3.02	330	229.3	220	43.6	50.8	93
	GKS134P	10750	3151	1044	10.3	3.02	330	227.3	229	33.6	75	109
	GKS141P	11350	3326	1102	10.3	3.02	350	227.3	220	33.6	65	103
	GKS151P	12200	3576	1184	10.3	3.02	350	232.3	220	33.6	65	103
	GJS160P	13150	3854	1264	10.4	3.05	440	255	252	42	65	109
	GJS176P	14400	4220	1385	10.4	3.05	440	255	252	42	65	109
	GJS189P	15500	4543	1490	10.4	3.05	500	255	252	42	65	109
	GJS208P	17500	5129	1683	10.4	3.05	500	266	283	46	75	113
	GJS222P	18500	5422	1779	10.4	3.05	500	266	283	46	75	113
	GJS230P	19100	5598	1837	10.4	3.05	500	266	283	46	75	113
	GPS270P	22650	6638	2270	10.0	2.92	700	295	292	53.3	75	123.4
	GPS290P	24300	7122	2430	10.0	2.93	700	295	292	53.3	75	123.4

## 60Hz Specification

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
1PH, 115V	GA048C	4700	1377	470	10.0	2.93	170	209.7	168	31.9	31.8	87
	GA052C	5150	1509	515	10.0	2.93	170	209.7	168	31.9	31.8	87
	GA056C	5510	1615	551	10.0	2.93	230	216.7	168	38.9	31.8	87
	GA060C	5850	1715	585	10.0	2.93	180	209.7	168	31.9	31.8	87
	GA066C	6500	1905	650	10.0	2.93	230	216.7	200	38.9	50.8	89
	GA070C	7000	2052	700	10.0	2.93	230	216.7	200	38.9	50.8	89
	GA072C	7100	2081	710	10.0	2.93	230	216.7	200	38.9	50.8	89
	GA086C	8550	2506	855	10.0	2.93	230	222.7	220	38.9	50.8	89
	GKS094C	9050	2652	879	10.3	3.02	280	229	200	39.3	50.8	93
	GKS102C	10200	2989	990	10.3	3.02	280	229	200	39.3	50.8	93
	GKS108C	10400	3048	1010	10.3	3.02	280	233	220	39.3	50.8	93
	GKS113C	10950	3209	1063	10.3	3.02	280	233	220	39.3	50.8	93
	GKS134C	13200	3869	1282	10.3	3.02	330	227.3	220	33.8	65	103
	GKS141C	14200	4162	1379	10.3	3.02	330	232	220	43.6	50.8	109
1PH, 208-230V	GA066K	6400	1876	640	10.0	2.93	240	229	168	45.9	31.8	87
	GA080K	7900	2315	790	10.0	2.93	290	232	235	43.6	50.8	89
	GKS094K	9100	2667	883	10.3	3.02	280	233	220	39.3	50.8	93
	GKS102K	10150	2975	985	10.3	3.02	280	233	220	39.3	50.8	93
	GKS113K	11000	3224	1068	10.3	3.02	280	233	220	39.3	50.8	93
	GKS134K	13250	3883	1286	10.3	3.02	330	229	220	43.6	65	103
	GKS141K	14200	4162	1379	10.3	3.02	330	232	220	43.6	65	103
	GKS151K	15400	4513	1495	10.3	3.02	330	232	220	43.6	65	103
	GJS160K	16700	4894	1606	10.4	3.05	410	232	220	43.6	65	103
	GJS176K	18200	5334	1750	10.4	3.05	500	232	220	43.6	65	103
	GJS208K	21700	6360	2087	10.4	3.05	500	260	229	41.9	75	113
	GJS230K	24000	7034	2308	10.4	3.05	700	260	229	41.9	75	113
	GPS230K	23700	6946	2257	10.5	3.08	1130	295	292	53.3	75	123.4
	GPS270K	27822	8154	2650	10.5	3.08	1130	295	292	53.3	75	123.4

1) Value of cooling capacity, motor input, EER and COP are normal and subject to variation of  $\pm 5\%$ .

2) Performance datums are referred to ASHARE-T condition, 1Ph, 220V, 50Hz, for C code at 1Ph, 115V, 60Hz for K code at 1Ph, 220V, 60Hz.

3) Figures in the table are subject to change without prior notice for performance improvement.

# Rotary D.C Inverter

## R22 Specification

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
<b>D.C Inverter</b>	QAT134D	9470	2775	845	11.2	3.28	390	224.8	268	47	75	109

## R410A Specification

Power Source	Model	Cooling Capacity		Input [Watts]	EER [Btu/W.hr]	COP [w/w]	Oil Charge [cc]	Dimensions				
		[Btu/hr]	[Watts]					A	B	C	D	E
<b>D.C Inverter</b>	GA092D	10000	2931	893	11.2	3.28	320	219	280	47	75	103
	GA102D	11000	3224	1000	11.0	3.22	320	219	280	47	75	103
	GKT141D	14500	4250	1343	10.8	3.17	570	301	292	61.4	90	118.2
	GJT240D	25100	7356	2320	10.8	3.17	900	320.1	290.2	65.5	75	113
	GPT425D	48000	14068	4250	11.3	3.31	1300	431.7	291.5	75.3	75	124
	GA092M	9922	2908	886	11.2	3.28	310	219	280	47	75	103
	GA102M	11000	3224	973	11.3	3.31	310	219	280	47	75	103

1) Value of cooling capacity, motor input, EER and COP are normal and subject to variation of  $\pm 5\%$ .

2) Performance datums are referred to ASHARE-T condition

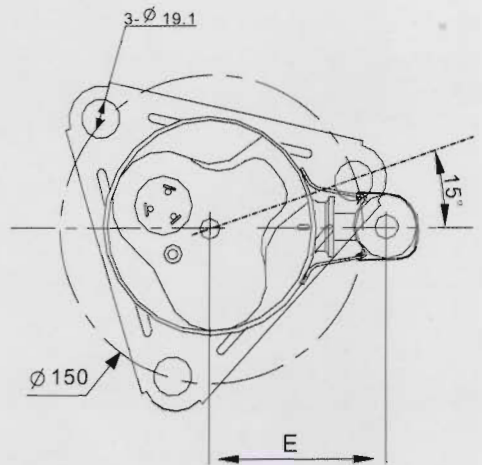
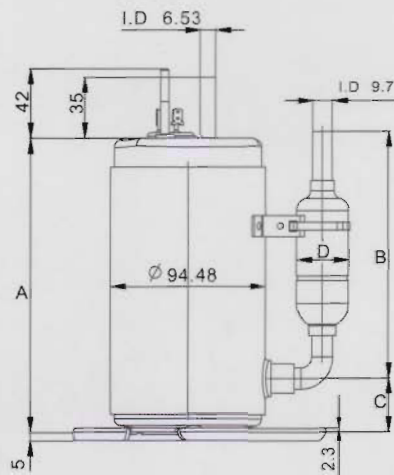
3) Figures in the table are subject to change without prior notice for performance improvement.

Rotary

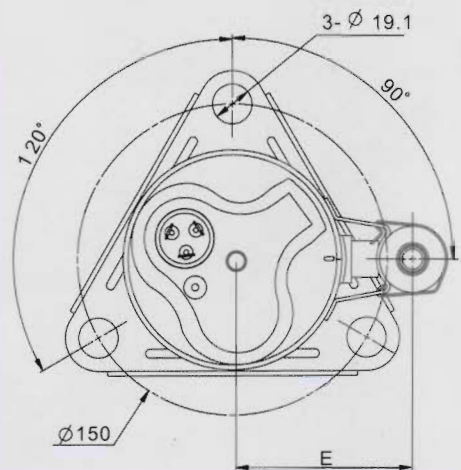
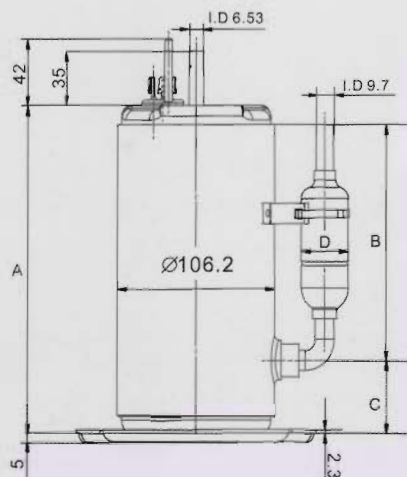
Compressor

# Dimensional Drawing

## QS Series

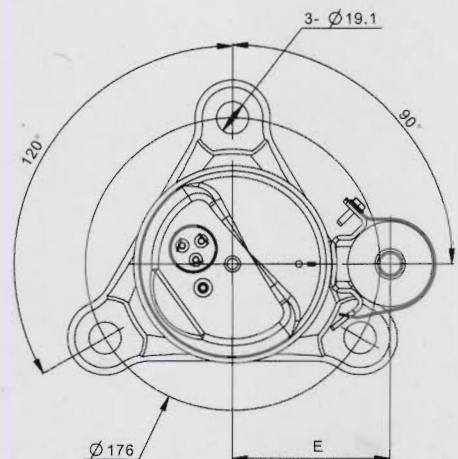
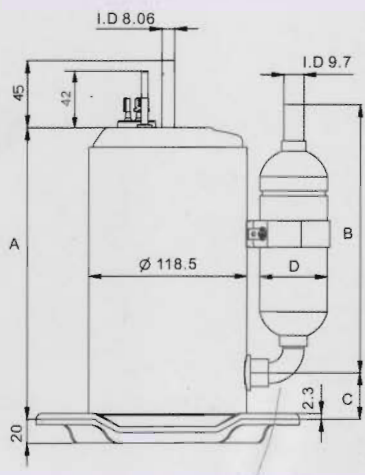


## QA/GA/QAT Series



※Note 1)The angle of Tri-plate is possible for 30° ,60° ,90° 2) Accumulator:  $\phi$  31.8mm or  $\phi$  50.8mm is applicable. 3)Discharge Tube I.D:  $\phi$  6.53 or  $\phi$  8.06mm is applicable

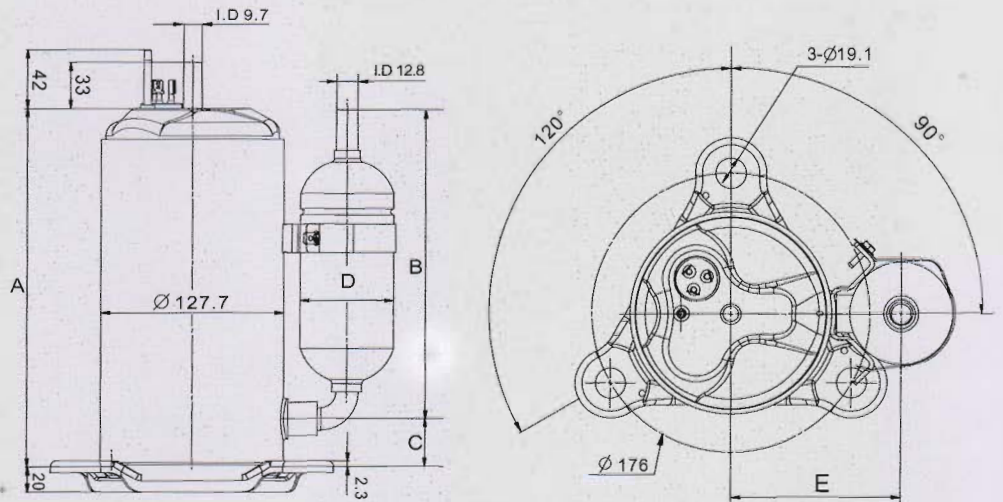
## QK/GKS/QKT Series



※Note 1)The angle of Tri-plate is possible for 30° ,60° ,90° 2) Accumulator:  $\phi$  50.8mm,  $\phi$  65mm or  $\phi$  75mm is applicable 3)Discharge Tube I.D:  $\phi$  6.53 or  $\phi$  8.06mm is applicable 4)Suction Tube I.D:  $\phi$  9.7mm or  $\phi$  12.8mm is applicable 5)Tri-plate:  $\phi$  150mm or  $\phi$  176mm is applicable

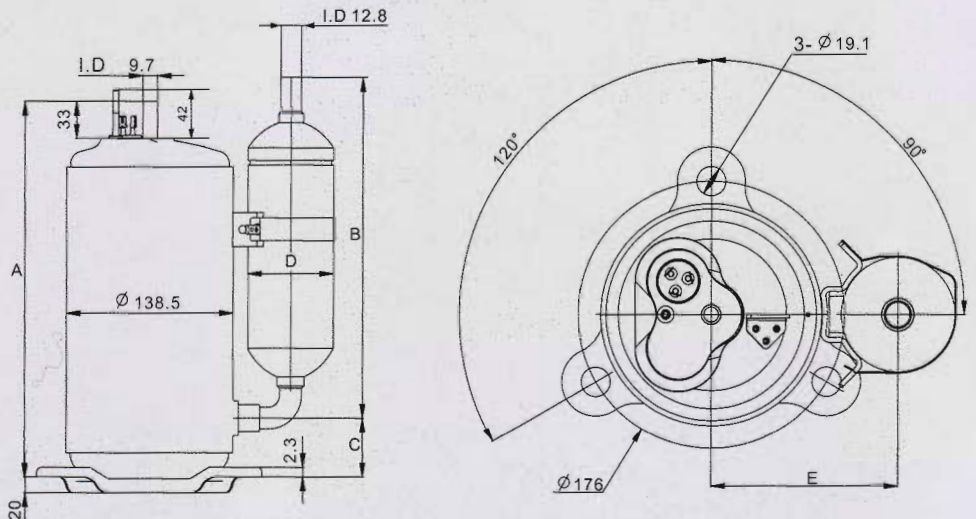
# Dimensional Drawing

## QJ/GJ/QJT Series



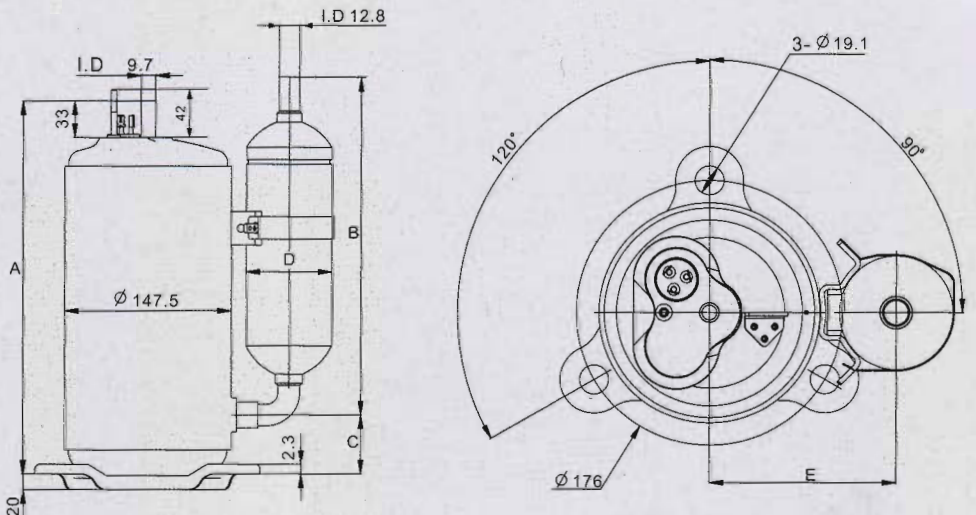
※Note 1)The angle of Tri-plate is possible for  $30^\circ$ ,  $60^\circ$ ,  $90^\circ$  2) Accumulator:  $\text{Ø} 65\text{mm}$  or  $\text{Ø} 75\text{mm}$  is applicable. 3)Discharge Tube I.D:  $\text{Ø} 12.8$  or  $\text{Ø} 16.0\text{mm}$  is applicable

## QV Series



※Note 1)The angle of Tri-plate is possible for  $30^\circ$ ,  $60^\circ$ ,  $90^\circ$  2) Accumulator:  $\text{Ø} 65\text{mm}$ ,  $\text{Ø} 75\text{mm}$  or  $\text{Ø} 90\text{mm}$  is applicable. 3)Discharge Tube I.D:  $\text{Ø} 12.8$  or  $\text{Ø} 16.0\text{mm}$  is applicable

## QP/GPS/QPT Series

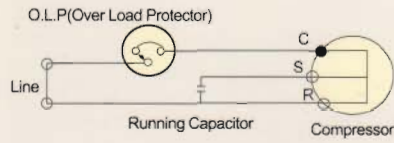


※Note 1)The angle of Tri-plate is possible for  $30^\circ$ ,  $60^\circ$ ,  $90^\circ$  2) Accumulator:  $\text{Ø} 65\text{mm}$ ,  $\text{Ø} 75\text{mm}$  or  $\text{Ø} 90\text{mm}$  is applicable. 3)Discharge Tube I.D:  $\text{Ø} 12.8$  or  $\text{Ø} 16.0\text{mm}$  is applicable

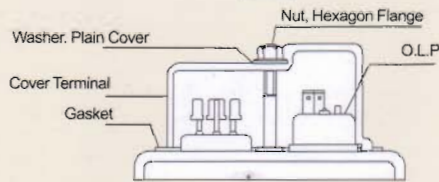
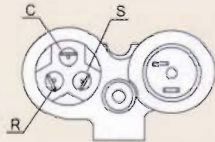
# For Rotary Compressor

## Wiring Diagram

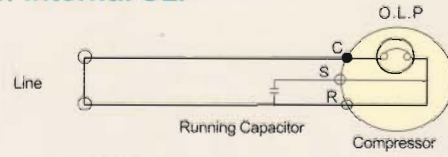
### for External OLP



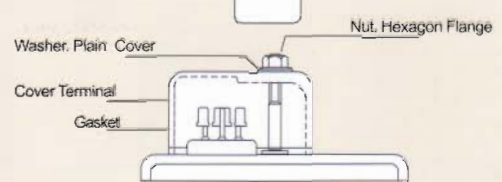
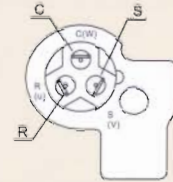
※ C.S.R mark is embossed on a Cover Terminal.



### for Internal OLP

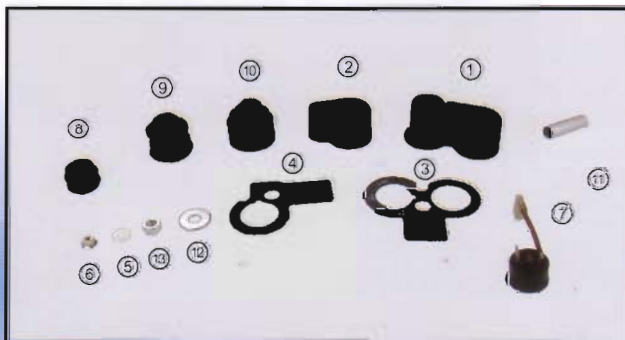


※ C.S.R mark is embossed on a Cover Terminal.

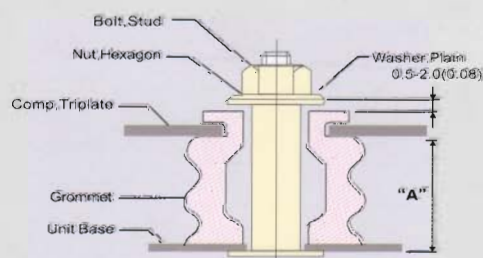


## Accessory Parts

No.	Items	Application	Q'ty	No.	Items	Application	Q'ty
①	Cover Terminal	For External OLP	1	⑧	Grommet	QA Series	3
②	Cover Terminal	For Internal OLP	1	⑨	Grommet	QK-QJ Series	3
③	Gasket	For External OLP	1	⑩	Grommet	QJ-QP Series	3
④	Gasket	For Internal OLP	1	⑪	Bolt, Stud	All	1
⑤	Washer, Plain Cover	All	1	⑫	Washer, Plain	All	3
⑥	Nut, Hexagon Flange	All	1	⑬	Nut, Hexagon	All	3
⑦	O.L.P	All	1				

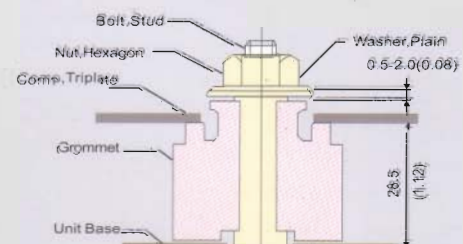


## Mounting for QA~QJ(064~292)Series



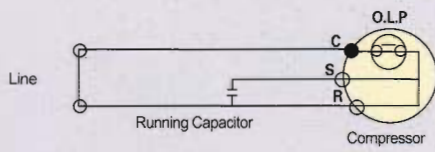
Dimension -For QA series: 14mm(0.55 inch)  
-For QK - QJ series: 28mm(1.10 inch)

## Mounting for QJ~QP(306~525)Series



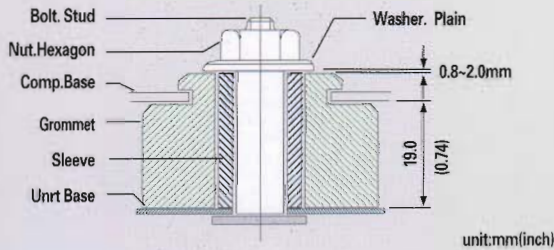
# For Scroll Compressor

## Wiring Diagram for Internal OLP

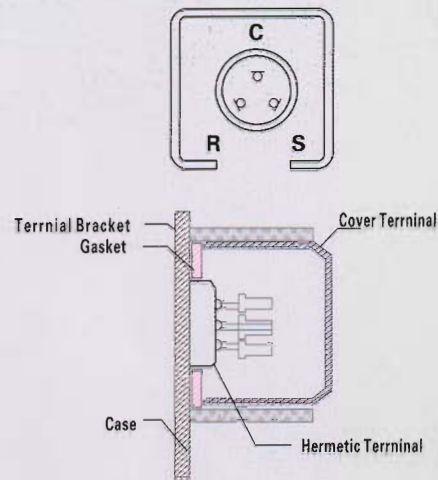


※ C.S.R mark is embossed on a Cover Terminal.

## Mounting

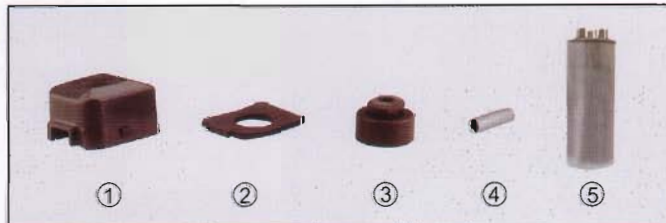


## Cover Terminal Fitting



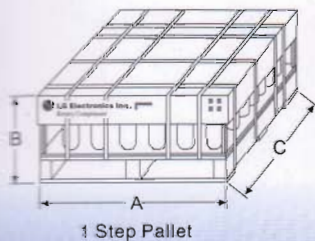
## Accessory Parts

No.	Items	Q'ty
①	Cover Terminal	1
②	Gasket	1
③	Grommet	4
④	Sleeve	4
⑤	Capacitor	1

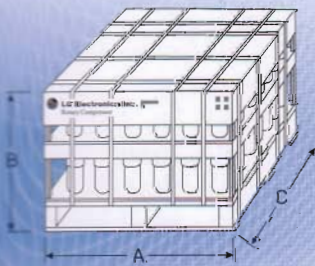


## Packing & Container Stuffing Q'ty

unit:mm



1 Step Pallet



2 Step Pallet

Items	Type	Rotary							Scroll				
	Series	QS	QA/GA	QK/GKS	QJ/GJS	QP/GPS	SQ/AQ/HQ	SB/AB	SR/AR/HR				
1 Step Pallet	Packing Q'ty	36	36	36	24	24	20	20	16	12	12	12	
	Size	A	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100
		B	380	400	420	440	440	480	480	500	510	510	580
		C	960	960	960	960	960	960	960	960	960	960	960
2 Step Pallet	Packing Q'ty	72	72	72	48	48	40	40	32	24	24	24	
	Size	A	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100
		B	670	700	735	770	770	800	800	900	950	950	1.100
		C	960	960	960	960	960	960	960	960	960	960	960
1 Container (20ft)	Total Stuffing Q'ty	2.100	1.908	1.800	1.160	1.160	1.060	960	640	552	432	432	
	Pallet Q'ty	1 step	2	5	2	10	9	9	4	2	-	2	2
		2 step	24	24	24	24	22	22	22	19	23	17	17
		Acc'y	2	2	2	2	2	2	1	1	1	1	1
		Total	28	31	28	36	33	33	27	22	24	20	20
Remarks (Comp.Model)		050-075	075-096	104-125	114-196	196-230	196-292	306-348	-	-	-	-	



**WARNING** Service should be performed by trained personnel only.



### ELECTRICAL SHOCK HAZARD

- Ground the equipment securely.
- Turn off the power before servicing.
- Retain terminal cover in position whenever power is applied to this compressor.



### BURN HAZARD

- Do not touch the compressor with bare hands during operation or after stoppage instantly.



### EXPLOSION OR FIRE.

- Wear safety goggles and gears as system contains oil and refrigerant under pressure.
- Do not compress air.
- Do not use refrigerant and lubricants besides those specified.
- Make sure to connect right way with valves.