

Rotary & Scroll Compressors



Embrital

Hermetic Compressors Distribution in Europe

LG ROTARY COMPRESSORS 50Hz R410A

Model	Power Source [ph/V/Hz]	Cooling Capacity [W]	COP [W/W]	Displacement [cc/rev]	Weight [Kg]	Outside Diameter / Height [mm]	Accumulator Height /Outside Diameter [mm]	Type
GA066PAC	1ph 220-240/50	1.500	2,78	6,6	8,6	106.2 / 269.7	241.6 / 50.8	Single
GA086PAC	1ph220-240/50	2.000	2,81	8,6	8,7	106.2 / 269.7	241.6 / 50.8	Single
GKS094PAC	1ph 220-240/50	2.300	3,01	9,4	11,9	118.5 / 277.0	266.8 / 50.8	Single
GKS113PAH	1ph 220-240/50	2.600	2,92	11,3	11,7	118.5 / 294.3	261.3 / 50.8	Single
GKS134PBA	1ph 220-240/50	2.300	2,99	13,4	12,2	117.7 / 290.0	271.3 / 65.0	Single
GK151PAD	1ph 220-240/50	3.600	2,87	15,1	13,0	118.5 / 297.0	280.3 / 75.0	Single
GJS189PAA	1ph 220-240/50	4.500	3,02	18,9	15,5	127.7 / 316.6	303.9 / 75.0	Single
GJS222PAA	1ph 220-240/50	5.500	3,02	22,2	15,5	127.7 / 317.2	337.7 / 75.0	Single
GPS250PAA	1ph 220-240/50	6.200	3,05	25	22,0	147.2 / 348.0	379.0 / 90.0	Single
GVS265PAB	1ph 220-240/50	6.700	3,03	26,5	19,9	138.5 / 371.7	353.5 / 75.0	Single
GVH282PAA	1ph 220-240/50	7.100	3,06	28,2	20,1	138.5 / 366.8	334.4 / 75.0	Single
GPT407PAB	1ph 220-240/50	1.200	2,87	40,7	24,5	146.0 / 407.0	431.7 / 90.0	Twin

LG ROTARY COMPRESSORS 60Hz R410A

Model	Power Source [ph/V/Hz]	Cooling Capacity [W]	COP [W/W]	Displacement [cc/rev]	Weight [Kg]	Outside Diameter / Height [mm]	Accumulator Height /Outside Diameter [mm]	Type
GA056CAA	1ph 115/60	1.200	2,81	5,6	8,7	106.2 / 278.4	256.7 / 50.8	Single
GA072CBB	1ph 115/60	2.100	2,90	7,2	8,9	106.2 / 269.7	263.9 / 65.0	Single
GA086CBC	1ph 115/60	2.500	2,87	8,6	8,9	106.2 / 270.0	263.9 / 65.0	Single
GK141CAD	1ph 115/60	4.100	2,87	14,1	12,7	118.5 / 308.0	282.0 / 65.0	Single
GKS086KAA	1ph 208-230/60	2.550	3,05	8,6	12,2	118.5 / 279.3	269.3 / 65.0	Single
GKS120KAA	1ph 208-230/60	3.500	3,05	12,0	12,2	118.5 / 276.3	269.3 / 65.0	Single
GK151KAA	1ph 208-230/60	4.500	2,90	15,1	12,7	118.5 / 297.6	280.3 / 75.0	Single

Rated Test Condition:

Condensing Temperature: 54.4°C

Evaporating Temperature: 7.2°C

Liquid Temperature: 46.1°C

Ambient Temperature: 35.0°C

Return Gas Temperature: 35.0°C

LG INVERTER ROTARY COMPRESSORS R410A

Model	Driver Power Source [ph/V/Hz]	Cooling Capacity [W] @60 rps	COP [W/W]	Displacement [cc/rev]	Weight [Kg]	Outside Diameter / Height [mm]	Accumulator Height / Outside Diameter [mm]	Type	Range [rps]
GA072MFB	1ph 200-240/50	2.200	3,25	7,2	7,1	106.0 / 276.7	272.4 / 50.8	Single	15-120
GA102DAA	1ph 200-240/50	3.200	3,17	10,2	8,3	106.2 / 266.0	306.6 / 75.0	Single	15-120
GKT141MBA	1ph 200-240/50	4.300	3,22	14,1	10,2	118.2 / 317.7	344.2 / 90.0	Twin	15-110
GKT176MAE	1ph 200-240/50	5.500	3,34	17,6	12,0	118.2 / 317.2	357.2 / 90.0	Twin	10-100
GJT240MAB	1ph 200-240/50	7.400	3,25	24,0	14,5	127.3 / 340.0	383.4 / 75.0	Twin	10-110
GJT325MAA	1ph 200-240/50	10.300	3,31	32,5	15,2	378.3 / 290.0	375.6 / 90.0	Twin	10-110
GPT442MBB	1ph 200-240/50	13.400	3,28	44,2	20,2	145.4 / 382.9	448.9 / 90.0	Twin	15-100
GPT442MAB	3ph 380-420/50	13.900	3,28	44,2	20,2	145.4 / 382.9	448.9 / 90.0	Twin	15-100

Rated Test Condition:

Condensing Temperature: 54.4°C

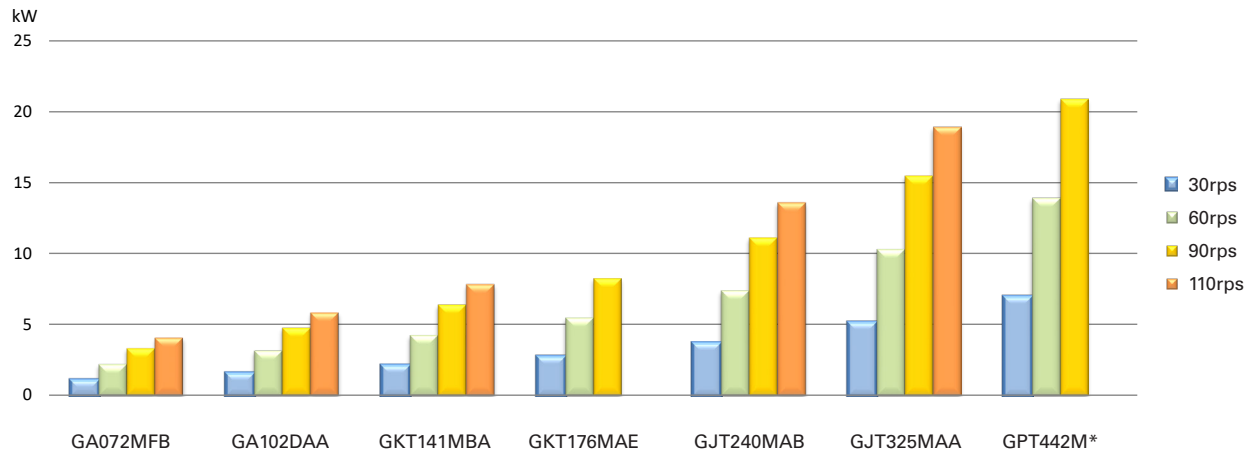
Evaporating Temperature: 7.2°C

Liquid Temperature: 46.1°C

Ambient Temperature: 35.0°C

Return Gas Temperature: 35.0°C

INVERTER - ROTARY
Cooling Capacity



LG SCROLL COMPRESSORS R410A

Model	Power Source [ph/V/Hz]	Cooling Capacity [W]	COP [W/W]	Displacement [cc/rev]	Weight [Kg]	Outside Diameter / Height [mm]	Type
ARA049PAA	1ph 220-240/50	12.300	2,90	49,1	42,6	185.4 / 464.3	Scroll
ARA049YAA	3ph 380-420/50	12.300	2,99	49,1	39,0	185.4 / 464.3	Scroll
ARA081YAC	3ph 380-420/50	20.100	2,99	81,0	39,0	185.4 / 464.3	Scroll

LG INVERTER SCROLL COMPRESSORS R410A

Model	Driver Power Source [ph/V/Hz]	Cooling Capacity [W] @60rps	COP [W/W]	Displacement [cc/rev]	Weight [Kg]	Outside Diameter / Height [mm]	Type	Range [rps]
ABA042DAA	3ph 380-420/50	13.000	3,10	40,5	29,5	165.8 / 462.3	Scroll	25-105
JQA048MAA	3ph 380-420/50	14.600	3,20	43,8	30,5	163.0 / 505.8	Scroll	15-150
JBA068MAA	3ph 380-420/50	20.400	3,04	62,1	37,0	168.0 / 526.7	Scroll	15-150
JBA096MAD	3ph 380-420/50	29.300	3,20	87,6	38,9	168.0 / 542.0	Scroll	15-150

Rated Test Condition:

Condensing Temperature: 54.4°C

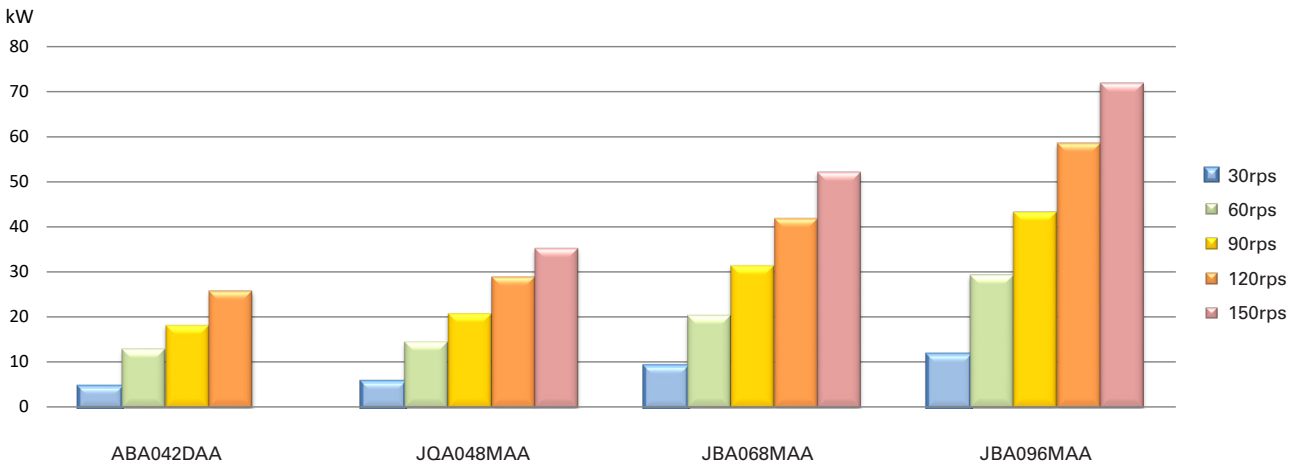
Evaporating Temperature: 7.2°C

Liquid Temperature: 46.1°C

Ambient Temperature: 35.0°C

Return Gas Temperature: 18.3°C

INVERTER - SCROLL
Cooling Capacity



LG ROTARY COMPRESSORS R290

Model	Power Source [ph/V/Hz]	Cooling Capacity [W]	COP [W/W]	Displacement [cc/rev]	Weight [Kg]	Outside Diameter / Height [mm]	Accumulator Height / Outside Diameter [mm]	Type
PAB078PAA	1ph 220-240/50	1.200	3,58	7,8	7,1	106.2 / 230.0	182.7 / 31.8	Single
PAB086PAA	1ph 220-240/50	1.300	3,05	8,6	8,2	106.2 / 246.2	240.0 / 50.8	Single
PA125PAB	1ph 220-240/50	1.900	3,21	12,5	8,8	106.2 / 256.7	244.0 / 50.8	Single

LG INVERTER ROTARY COMPRESSORS R290

Model	Driver Power Source [ph/V/Hz]	Cooling Capacity [W] @60 rps	COP [W/W]	Displacement [cc/rev]	Weight [Kg]	Outside Diameter / Height [mm]	Accumulator Height / Outside Diameter [mm]	Type	Range [rps]
PST066MAA	1ph 220-240/50	1.200	3,35	6,6	5,4	96.6 / 218.0	211.3 / 31.8	Twin	20-90
PST102MAA	1ph 220-240/50	1.900	3,56	10,2	5,4	96.6 / 226.0	218.7 / 31.8	Twin	10-130

Rated Test Condition:

Condensing Temperature: 54.4°C

Evaporating Temperature: 7.2°C

Liquid Temperature: 46.1°C

Ambient Temperature: 35.0°C

Return Gas Temperature: 35.0°C

LG INVERTER ROTARY COMPRESSORS R32

Model	Driver Power Source [ph/V/Hz]	Cooling Capacity [W] @60 rps	COP [W/W]	Displacement [cc/rev]	Weight [Kg]	Outside Diameter / Height [mm]	Accumulator Height / Outside Diameter [mm]	Type	Range [rps]
DST066MA*	1ph 220-240/50	2.100	3,20	6,6	6,1	96.3 / 220.6	222.3 / 65.8	Twin	10-120
DST102MAA	1ph 220-240/50	3.300	3,20	10,2	6,4	96.3 / 245.0	282.1 / 65.8	Twin	10-130
DAT130MAG	1ph 220-240/50	4.200	3,20	13,0	8,9	108.2 / 249.0	269.0 / 80.0	Twin	10-130
DAT150MAA	1ph 220-240/50	5.100	3,20	15,0	10,1	108.2 / 381.0	280.0 / 80.0	Twin	10-130
DK176MAJ	1ph 220-240/50	5.700	3,20	17,6	12,2	108.5 / 320.0	337.9 / 90.0	Twin	10-130
DKT240MAA	1ph 220-240/50	7.900	3,20	24,0	15,6	127.3 / 352.7	335.0 / 80.0	Twin	10-110
DPT330MAB	1ph 220-240/50	10.900	3,20	33,0	18,9	145.4 / 363.8	433.0 / 90.0	Twin	10-110
DPT4422MA*	3ph 380-420/50	14.800	3,30	44,2	20,8	145.4 / 363.8	433.0 / 90.0	Twin	15-100

Rated Test Condition:

Condensing Temperature: 54.4°C

Evaporating Temperature: 7.2°C

Liquid Temperature: 46.1°C

Ambient Temperature: 35.0°C

Return Gas Temperature: 18.3°C

* Model under development. Not currently in Mass Production



Embrital

Hermetic Compressors Distribution in Europe

