

# Compressors ZMC, EGL70AT, 1/5Hp, 1Ph, GL70AT, R-134a, standard Efficiency, 220-240V 50Hz, Cubigel Compressor, Cubigel, RSIR, LBP – LST – S, no Starting capacitor

written by Lilianne | 19 December 2020



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**G L Y 60 R A a**

Indicates refrigerant.  
**G** = R134a      **N** = R290  
**M** = R404A/R507   **H** = R600a

Indicates compressor range (overall design).  
**L** = 4.5 - 10.7cm<sup>3</sup>   **X** = 16.0 - 23.0cm<sup>3</sup>  
**U** = 4.5 - 8.9cm<sup>3</sup>   **P** = 12.0 - 18.0cm<sup>3</sup>   **S** = 18.0 - 38.0cm<sup>3</sup>

Indicates energy efficiency level. Not appearing in case of Standard efficiency.  
**Blank** = Standard Efficiency      **T** = Top Efficiency - Run Capacitor  
**C** = Enhance Efficiency      **R** = RSCR or CSR  
**M** = Medium      **S** = Super Efficiency - Run Capacitor  
**Y** = High Efficiency - Run Capacitor      Optional RSIR/RSCR or CSIR/CSR  
Optional RSIR/RSCR or CSIR/CSR

Indicates approximate compressor displacement under the following rule:  
**U / L** ranges 10 times the approx. displacement in cm<sup>3</sup>/rev (GL90TB -> approx 9 cm<sup>3</sup>/rev)  
**P / X / S** ranges The approx. displacement in cm<sup>3</sup>/rev (MX21TG -> approx 21 cm<sup>3</sup>/rev)

Indicates the starting torque, application type and compressor cooling:  
**A** = LBP - LST - S      **L** = LBP - HST - Fan (Current Relay)      **R** = HMBP - HST - FAN  
**C** = LBP - LST - FAN      **M** = HMBP - LST/HST - S/FAN      (CSR versions with Current Relay)  
**D** = LBP - HST - S      **N** = LMBP - LST/HST - S/FAN      **T** = HMBP - HST - FAN  
**F** = LBP - HST -FAN      **P** = HMBP - LST - FAN      (CSR versions with Potential Relay)

Indicates the rated voltage:  
**A** = 220-240V 50Hz      **G** = 200-220V 50Hz / 220-230V 60Hz  
**B** = 220-240V 50Hz (standard efficiency)      **J** = 100V 50/60Hz  
**C** = 200-220V 50Hz (standard efficiency)      **N** = 200-220V 50Hz or 200-240V 50Hz /



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Model	W	H	App	Comp	Rated Voltage	Start Torque	Run Torque	Max. Current	Max. Power	Max. Capacity	Max. Temp	Max. Humidity	Max. Altitude	Max. Life			
GD40AA	4.06	1/10	LBP	S	220-240V 50Hz -1	RSIR	P	C	34	50	70	0.77	155	82	1.00	6.1	Dd
GD40AF	4.06	1/10	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	31	47	66	0.67	147	78	0.88	6.8	Dd
GLY45AAa	4.56	1/8	LBP	S	220-240V 50Hz -1	RSIR	P	C	47	65	89	1.01	192	104	1.30	8.7	Lb
GLY45AAb	4.56	1/8	LBP	S	220-240V 50Hz -1	RSCR	P	C	48	66	90	1.05	193	105	1.36	8.7	Lb
GL45AAa	4.56	1/8	LBP	S	220-240V 50Hz -1	RSIR	P	C	37	57	81	0.81	184	96	1.06	7.9	Lb
GL45AAb	4.56	1/8	LBP	S	220-240V 50Hz -1	CSIR	R	C-V	37	57	81	0.81	184	96	1.06	7.9	Lb
GL45AF	4.56	1/8	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	36	56	80	0.74	184	95	0.97	8.4	Lb
GL45ANa	4.56	1/8	LBP	S	200-240/220-230V 50/60Hz -1	RSIR	P	C	36	56	80	0.78	184	95	1.03	8.4	Lb
GLY55AAa	5.46	1/7	LBP	S	220-240V 50Hz -1	RSIR	P	C	53	78	108	1.03	238	127	1.33	8.7	Lb
GLY55AAb	5.46	1/7	LBP	S	220-240V 50Hz -1	RSCR	P	C	54	78	109	1.09	239	128	1.40	8.7	Lb
GLY60AAa	5.98	1/6	LBP	S	220-240V 50Hz -1	RSIR	P	C	58	85	119	1.03	255	139	1.34	8.7	Lb
GLY60AAb	5.98	1/6	LBP	S	220-240V 50Hz -1	RSCR	P	C	58	86	120	1.10	256	140	1.42	8.7	Lb
GL60AAa	5.98	1/6	LBP	S	220-240V 50Hz -1	RSIR	P	C	50	75	107	0.85	239	126	1.10	8.4	Lb
GL60AAb	5.98	1/6	LBP	S	220-240V 50Hz -1	CSIR	R	C-V	50	75	107	0.85	239	126	1.10	8.4	Lb
GL60AF	5.98	1/6	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	57	81	113	0.82	245	132	1.07	9.1	Lb
GL60ANa	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz -1	RSIR	P	C	57	82	114	0.83	244	133	1.09	9.1	Lc
GL60ANb	5.98	1/6	LBP	F	200-240/220-230V 50/60Hz -1	CSIR	R	C-V	57	82	114	0.83	244	133	1.09	9.1	Lc
GL60ANc	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz -1	CSIR	R	C-V	57	82	114	0.83	244	133	1.09	9.1	Lc
GL60ANd	5.98	1/6	LBP	OC	200-240/220-230V 50/60Hz -1	RSIR	P	C	57	82	114	0.83	244	133	1.09	9.2	Lc
GLY70AAa	6.65	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	70	96	132	1.05	288	154	1.36	9.7	Lb
GLY70AAb	6.65	1/5	LBP	S	220-240V 50Hz -1	RSCR	P	C	71	97	133	1.12	289	155	1.44	9.7	Lb
GL70AA	6.65	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	58	86	121	0.87	268	142	1.12	8.8	Lc
GL70ANa	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	70	95	129	0.83	278	151	1.08	9.4	Lc
GL70ANb	6.65	1/5	LBP	F	200-220/220-230V 50/60Hz -1	CSIR	R	C-V	70	95	129	0.83	278	151	1.08	9.4	Lc
GL70ANc	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz -1	CSIR	R	C-V	70	95	129	0.83	278	151	1.08	9.4	Lc
GL70ANd	6.65	1/5	LBP	OC	200-220/220-230V 50/60Hz -1	RSIR	P	C	70	96	129	0.83	278	151	1.08	9.5	Ld
GLY75AAa	7.38	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	74	107	147	1.06	311	172	1.36	9.9	Lc
GLY75AAb	7.38	1/5	LBP	S	220-240V 50Hz -1	RSCR	P	C	76	108	147	1.12	312	172	1.44	9.9	Lc
GL75AA	7.38	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	68	95	132	0.91	296	155	1.18	9.0	Lc
GLY90AAa	8.10	1/5	LBP	S	220-240V 50Hz -1	RSCR	P	C	95	131	184	1.07	348	184	1.37	10.0	Lc



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## Model: GL70AA

### General data

Refrigerant:	R134a
Discharge element:	C
Cooling:	S
Maximum ambient temperature [°C]:	43

### Compressor's data

Cylinder capacity [cm <sup>3</sup> ]:	6,7
Displacement [m <sup>3</sup> /h]:	1,1
Weight [kg]:	9,6
Oil charge [cm <sup>3</sup> ]:	345
Oil type:	ISO VG 19 ESTER

### Engine's data

Engine type:	RSIR
Power [KM]:	1/5
Starting element:	LST
Power supply:	220V 50Hz
Voltage range:	187-264
Locked rotor current [A]:	10,9
Running winding resistance (25°C) [Ω]:	12,59
Starting winding resistance (25°C) [Ω]:	22,02

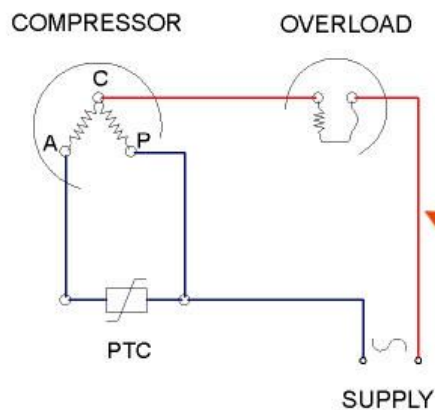
### Electrical data

Relays:	3003
Shielding element:	MRA38028, T0508, AF18FU
Starting capacitor volume [μF]:	



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## RSIR



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