

# 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



Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

**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 /



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	<b>70</b>	<b>0.77</b>	155	<b>82</b>	<b>1.00</b>	6.1	Dd
GD40AF	4.06	1/10	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	31	47	<b>66</b>	<b>0.67</b>	147	<b>78</b>	<b>0.88</b>	6.8	Dd
GLY45AAa	4.56	1/8	LBP	S	220-240V 50Hz -1	RSIR	P	C	47	65	<b>89</b>	<b>1.01</b>	192	<b>104</b>	<b>1.30</b>	8.7	Lb
GLY45AAb	4.56	1/8	LBP	S	220-240V 50Hz -1	RSCR	P	C	48	66	<b>90</b>	<b>1.05</b>	193	<b>105</b>	<b>1.36</b>	8.7	Lb
GL45AAa	4.56	1/8	LBP	S	220-240V 50Hz -1	RSIR	P	C	37	57	<b>81</b>	<b>0.81</b>	184	<b>96</b>	<b>1.06</b>	7.9	Lb
GL45AAb	4.56	1/8	LBP	S	220-240V 50Hz -1	CSIR	R	C-V	37	57	<b>81</b>	<b>0.81</b>	184	<b>96</b>	<b>1.06</b>	7.9	Lb
GL45AF	4.56	1/8	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	36	56	<b>80</b>	<b>0.74</b>	184	<b>95</b>	<b>0.97</b>	8.4	Lb
GL45ANa	4.56	1/8	LBP	S	200-240/220-230V 50/60Hz -1	RSIR	P	C	36	56	<b>80</b>	<b>0.78</b>	184	<b>95</b>	<b>1.03</b>	8.4	Lb
GLY55AAa	5.46	1/7	LBP	S	220-240V 50Hz -1	RSIR	P	C	53	78	<b>108</b>	<b>1.03</b>	238	<b>127</b>	<b>1.33</b>	8.7	Lb
GLY55AAb	5.46	1/7	LBP	S	220-240V 50Hz -1	RSCR	P	C	54	78	<b>109</b>	<b>1.09</b>	239	<b>128</b>	<b>1.40</b>	8.7	Lb
GLY60AAa	5.98	1/6	LBP	S	220-240V 50Hz -1	RSIR	P	C	58	85	<b>119</b>	<b>1.03</b>	255	<b>139</b>	<b>1.34</b>	8.7	Lb
GLY60AAb	5.98	1/6	LBP	S	220-240V 50Hz -1	RSCR	P	C	58	86	<b>120</b>	<b>1.10</b>	256	<b>140</b>	<b>1.42</b>	8.7	Lb
GL60AAa	5.98	1/6	LBP	S	220-240V 50Hz -1	RSIR	P	C	50	75	<b>107</b>	<b>0.85</b>	239	<b>126</b>	<b>1.10</b>	8.4	Lb
GL60AAb	5.98	1/6	LBP	S	220-240V 50Hz -1	CSIR	R	C-V	50	75	<b>107</b>	<b>0.85</b>	239	<b>126</b>	<b>1.10</b>	8.4	Lb
GL60AF	5.98	1/6	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	57	81	<b>113</b>	<b>0.82</b>	245	<b>132</b>	<b>1.07</b>	9.1	Lb
GL60ANa	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz -1	RSIR	P	C	57	82	<b>114</b>	<b>0.83</b>	244	<b>133</b>	<b>1.09</b>	9.1	Lc
GL60ANb	5.98	1/6	LBP	F	200-240/220-230V 50/60Hz -1	CSIR	R	C-V	57	82	<b>114</b>	<b>0.83</b>	244	<b>133</b>	<b>1.09</b>	9.1	Lc
GL60ANc	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz -1	CSIR	R	C-V	57	82	<b>114</b>	<b>0.83</b>	244	<b>133</b>	<b>1.09</b>	9.1	Lc
GL60ANd	5.98	1/6	LBP	OC	200-240/220-230V 50/60Hz -1	RSIR	P	C	57	82	<b>114</b>	<b>0.83</b>	244	<b>133</b>	<b>1.09</b>	9.2	Ld
GLY70AAa	6.65	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	70	96	<b>132</b>	<b>1.05</b>	288	<b>154</b>	<b>1.36</b>	9.7	Lb
GLY70AAb	6.65	1/5	LBP	S	220-240V 50Hz -1	RSCR	P	C	71	97	<b>133</b>	<b>1.12</b>	289	<b>155</b>	<b>1.44</b>	9.7	Lb
GL70AA	6.65	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	58	86	<b>121</b>	<b>0.87</b>	268	<b>142</b>	<b>1.12</b>	8.8	Lc
GL70ANa	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz -1	RSIR	P	C	70	95	<b>129</b>	<b>0.83</b>	278	<b>151</b>	<b>1.08</b>	9.4	Lc
GL70ANb	6.65	1/5	LBP	F	200-220/220-230V 50/60Hz -1	CSIR	R	C-V	70	95	<b>129</b>	<b>0.83</b>	278	<b>151</b>	<b>1.08</b>	9.4	Lc
GL70ANc	6.65	1/5	LBP	S	200-220/220-230V 50/60Hz -1	CSIR	R	C-V	70	95	<b>129</b>	<b>0.83</b>	278	<b>151</b>	<b>1.08</b>	9.4	Lc
GL70ANd	6.65	1/5	LBP	OC	200-220/220-230V 50/60Hz -1	RSIR	P	C	70	96	<b>129</b>	<b>0.83</b>	278	<b>151</b>	<b>1.08</b>	9.5	Ld
GLY75AAa	7.38	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	74	107	<b>147</b>	<b>1.06</b>	311	<b>172</b>	<b>1.36</b>	9.9	Lc
GLY75AAb	7.38	1/5	LBP	S	220-240V 50Hz -1	RSCR	P	C	76	108	<b>147</b>	<b>1.12</b>	312	<b>172</b>	<b>1.44</b>	9.9	Lc
GL75AA	7.38	1/5	LBP	S	220-240V 50Hz -1	RSIR	P	C	68	95	<b>132</b>	<b>0.91</b>	296	<b>155</b>	<b>1.18</b>	9.0	Lc
GLY90AAa	8.10	1/5	LBP	S	220-240V 50Hz -1	RSCR	P	C	99	139	<b>184</b>	<b>1.27</b>	348	<b>184</b>	<b>1.57</b>	10.0	Lc



## 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

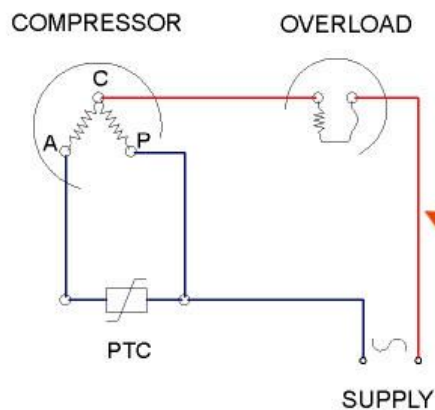
Engine type:	RSIR
Power [KM]:	1/5
Starting element:	LST
Power supply:	220V 50Hz
Voltage range:	187-264
Locked rotor current [A]:	10,9
Running winding resistance (25°C) [Ω]:	12,59
Starting winding resistance (25°C) [Ω]:	22,02

### Electrical data

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

Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

## RSIR



Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

■ R134a

Model	Refr.	HP	Ambient Temp C	Rated Voltage	Cooling Capacity		COP without RC		COP with RC	
					ASHRAE -23.3°C kcal/h	CECOMAF -25°C W	ASHRAE -23.3°C W/W	CECOMAF -25°C W/W	ASHRAE -23.3°C W/W	CECOMAF -25°C W/W
▶ <input type="checkbox"/> GL45AA	LBP-R134a	1.8	43	A	96	82	1.06	0.82		
▶ <input type="checkbox"/> GL45AH	LBP-R134a	1.8	50	C	96	81	1.05	0.8		
▶ <input type="checkbox"/> GL60AA	LBP-R134a	1.6	43	A	122	114	1.14	0.89		
▶ <input type="checkbox"/> GL60AF	LBP-R134a	1.6	43	D	122	113	1.07	0.82		
▶ <input type="checkbox"/> GL60AH	LBP-R134a	1.6	43	A	133	114	1.31	1.01		
▶ <input type="checkbox"/> GL60AN	LBP-R134a	1.6	50	C	122	114	1.07	0.83		
▶ <input type="checkbox"/> GL70AA	LBP-R134a	1.5	43	A	140	128	1.18	0.92		
▶ <input type="checkbox"/> GL70AN	LBP-R134a	1.5	50	D	150	129	1.08	0.83		
▶ <input type="checkbox"/> GL70AT	LBP-R134a	1.5	43	E	144	122	1.09	0.84		
▶ <input type="checkbox"/> GL75AA	LBP-R134a	1.5	43	A	155	133	1.18	0.92		
▶ <input type="checkbox"/> GL80AA	LBP-R134a	1.5	43	A	173	148	1.19	0.93		
▶ <input type="checkbox"/> GL80AF	LBP-R134a	1.5	43	D	166	141	1.14	0.88		
▶ <input type="checkbox"/> GL80AH	LBP-R134a	1.5	43	A	175	150	1.35	1.09		
▶ <input type="checkbox"/> GL80AN	LBP-R134a	1.4	43	A	190	168	1.36	1.09		
▶ <input type="checkbox"/> GL90AA	LBP-R134a	1.4	43	A	195	167	1.19	0.93		
▶ <input type="checkbox"/> GL90AH	LBP-R134a	1.4	43	A	215	182	1.39	1.08		
▶ <input type="checkbox"/> GL90AN	LBP-R134a	1.4	50	D	190	165	1.1	0.85		
▶ <input type="checkbox"/> GL90AT	LBP-R134a	1.4	43	E	190	161	1.19	0.92		
▶ <input type="checkbox"/> GL99AA	LBP-R134a	1.4	43	A	214	182	1.24	0.98		
▶ <input type="checkbox"/> GL99AH	LBP-R134a	1.4	43	A	215	182	1.39	1.08		
▶ <input type="checkbox"/> GL80AD	LBP-R134a	1.5	43	W	0	0	0	0		
▶ <input type="checkbox"/> GL90AD	LBP-R134a	1.4	43	W	0	0	0	0		

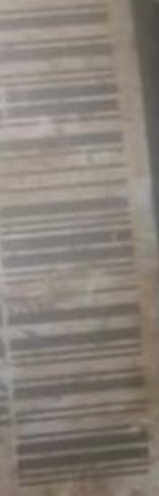


**ZMC** **EGL70AT** 0707

200-220V-50HZ

**R 134 a**

MADE IN EGYPT



3 412  
1387458

# **Mbsm.pro , Compressors ZMC, EGL90AA, R-134a ,1/4 HP LBP, 220 – 240 V**

written by Lilianne | 19 December 2020

Mbsm.pro , Compressors ZMC, EGL90AA, R-134a ,1/4 HP LBP, 220 –  
240 V

## **BRAND**

- – ZMC

## **TECHNICAL SPECIFICATIONS :**

- MODEL: **EGL 90 AA**
- POWER: **1/4 Hp**
- VOLTAGE: **220 – 240 V**
- WATT: **227.00 W**
- REFRIGERANT GAS: **R 134**
- K.CAL: **195.00 Cal.**

**Features :** The compressors form the basis of the refrigerant system and function to compress the gas from the evaporation to the condensation pressure.

## USAGE PLACES :

It is used in Refrigerator devices belonging to all brands and models.

## INSTRUCTIONS FOR USE:

Zmc EGL90AA;It is recommended to be used by a specialist authorized or authorized service.



PictureS Mbsm Dot Pro : [www.mbsm.pro](http://www.mbsm.pro)

Mbsm\_dot\_pro\_private\_PDF\_catalogo\_cubigel\_R134aTélécharger  
Mbsm\_dot\_pro\_private\_PDF\_cubigel-katalogTélécharger