

# Compressor Mk183g-l2u

written by Lilianne | 15 April 2023



Mbsm.pro, Compressor, Samsung, mk183g-l2u, series MK, 1/3 hp, 236 w, Lbp, 203 KCL, 806 BTU, r134a, 3.8 cc, 220-240V ~ 50Hz, Low Back Pressure, compressor static without fan, PTC-RSCR (Optional RSIR)

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## DG77C16GAX5 compressor 0.25 hp

written by Lilianne | 15 April 2023



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Mbsm.pro, Compressor, DG77C16GAX5, 1/5 hp++, 1/4 hp-, 225 w, Low Back Pressure, Refrigerant: R134a

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**Mbsm.pro, Compressor,  
Tecumseh, TPG1390YMR, 805  
btu/h, 236w, 1/3hp, LBP, Low  
Back Pressure, R134a,  
208-230V ~ 60Hz, 220-240V ~  
50Hz, Reciprocating  
Compressor, TP143-MR-232-B8**

written by Lilianne | 15 April 2023



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Mbsm.pro, Compressor, Tecumseh, TPG1390YMR, 805 btu/h, 236w, 1/3hp, LBP, Low Back Pressure, R134a, 208-230V ~ 60Hz, 220-240V ~ 50Hz, Reciprocating Compressor, TP143-MR-232-B8

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**Compressor, Zanussi, HLY80AA,  
1/7Hp, 220-240V 50Hz ~1,  
R600a, ZEM, Low Back  
Pressure, RSIR**

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Technical Data Sheet  
Compressor model HLY80AAa  
Voltage 220-240V 50Hz ~1  
Refrigerant R600a

## APPLICATION COMPRESSOR MOTOR

Application Low Back Pressure Displacement 8,10 cm<sup>3</sup> Nominal Power 1/7 hp

Refrigerant R600a Diameter 24,29 mm Voltage/Frequency 220-240V 50Hz

Evaporating Temp. -35,0 °C to -10,0 °C Stroke 17,47 mm Voltage range 187-264 V

Expansion Capillar Net Weight 9,45 Kg Type RSIR

Comp. Cooling Static Oil type ISO VG 10 MINER Phase number 1 PH

Max. ambient temp. 43,0 °C Oil charge 205 cm<sup>3</sup> Locked Rotor Amps (LRA) 8,60 A

Max. Cont. Current (MCC) 1,00 A

Main W. resist. at 25°C 22,02 Ω

Start W. resist. at 25°C 22,53 Ω

## NOMINAL PERFORMANCE

### ASHRAE CECOMAF

Cooling Capacity 113 kCal/h 99 W

COP 1,41 W/W 1,11 W/W

EER 1,22 kCal/Wh 0,96 kCal/Wh

Input Power 93 W 89 W

Current 0,62 A 0,60 A

## TEST CYCLE CONDITIONS

### ASHRAE CECOMAF

LBP (B) LBP (A)

Evaporating temp. -23,3 °C -25,0 °C

Condensing temp. 55,0 °C 55,0 °C

Liquid temp. 32,0 °C 55,0 °C

Ambient temp. 32,0 °C 32,0 °C

Suction temp. 32,0 °C 32,0 °C

Voltage/Frequency 220 V 50 Hz 220 V 50 Hz

## ELECTRICAL COMPONENTS

Relay Option 1

Reference PTC K100

Voltage 200-240 V

Resistance 14.00 Ω

Protector Option 1 Option 2 Option 3 Option 4  
Reference MSP318LZ 4TM189NFBYY T0462 AE37FJ  
Current 5,90 A 5,50 A 6,20 A 5,90 A  
Time check 7,5-14 seg 5-15 seg 7,5-14 seg 7,5-14 seg  
Disc temp. (Open/Close) 120,00 / 61,00 °C 120,00 / 61,00 °C  
110,00 / 62,00 °C 115,00 / 62,00 °C

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# **Kulthorn, compressor, Kulthorn compressor, c- qn76l6f, c-qn76l6f-l, 1/10 Hp, 1Ph, Serie C-q, R134a, 76 watt, Low back pressure, 200-220V/50hz, 220v/60hz, Compressor modifier**

written by Lilianne | 15 April 2023

Kulthorn, compressor, Kulthorn compressor, c-qn76l6f, 1/10 Hp, 1Ph, Serie C-q, R134a, 76 watt, Low back pressure, 200-220V/50hz, 220v/60hz, Compressor modifier

## Compressor Motor Protectors

Each compressor incorporates a motor protection device or system. Generally, the larger the compressor, the more sophisticated the motor protector.

It is essential that an electric motor is protected against conditions that could otherwise result in damage to the motor or to the electrical supply system. For this reason, every Kulthorn compressor is supplied with a motor protector, sometimes referred to as an overload. The more expensive the compressor, the greater is the economic justification for specifying a motor protector that has the ability to protect over a wider

range of conditions.

### 1. External Motor Protectors

A smaller compressor (such as an AZ, AE or WJ) is fitted with an external motor

protector. Most commonly, this is a compact, cylindrical device that contains a snapaction bimetallic disc. The protector is mounted in contact with the surface of the compressor housing, inside the terminal guard.

The compressor current passes through the bimetallic disc. The resistance of this disc

causes the disc temperature to increase as the motor current increases. There is usually

a small heater, located under the disc and connected in series with the disc itself. This

heater further raises the temperature of the disc. There is also the impact of the

compressor shell temperature, and a hot compressor will further increase the disc

temperature. The temperature of the disc is thus influenced by the combined effects of –

- the compressor motor current
- the compressor shell temperature

When the bimetallic disc reaches a predetermined temperature (often either 105°C or

120°C) the disc will snap open, and power supply to the compressor will be interrupted.

The compressor will cool, and at a reduced disc temperature the protector will reset

and the compressor will restart, or attempt to restart.

If the abnormal condition that

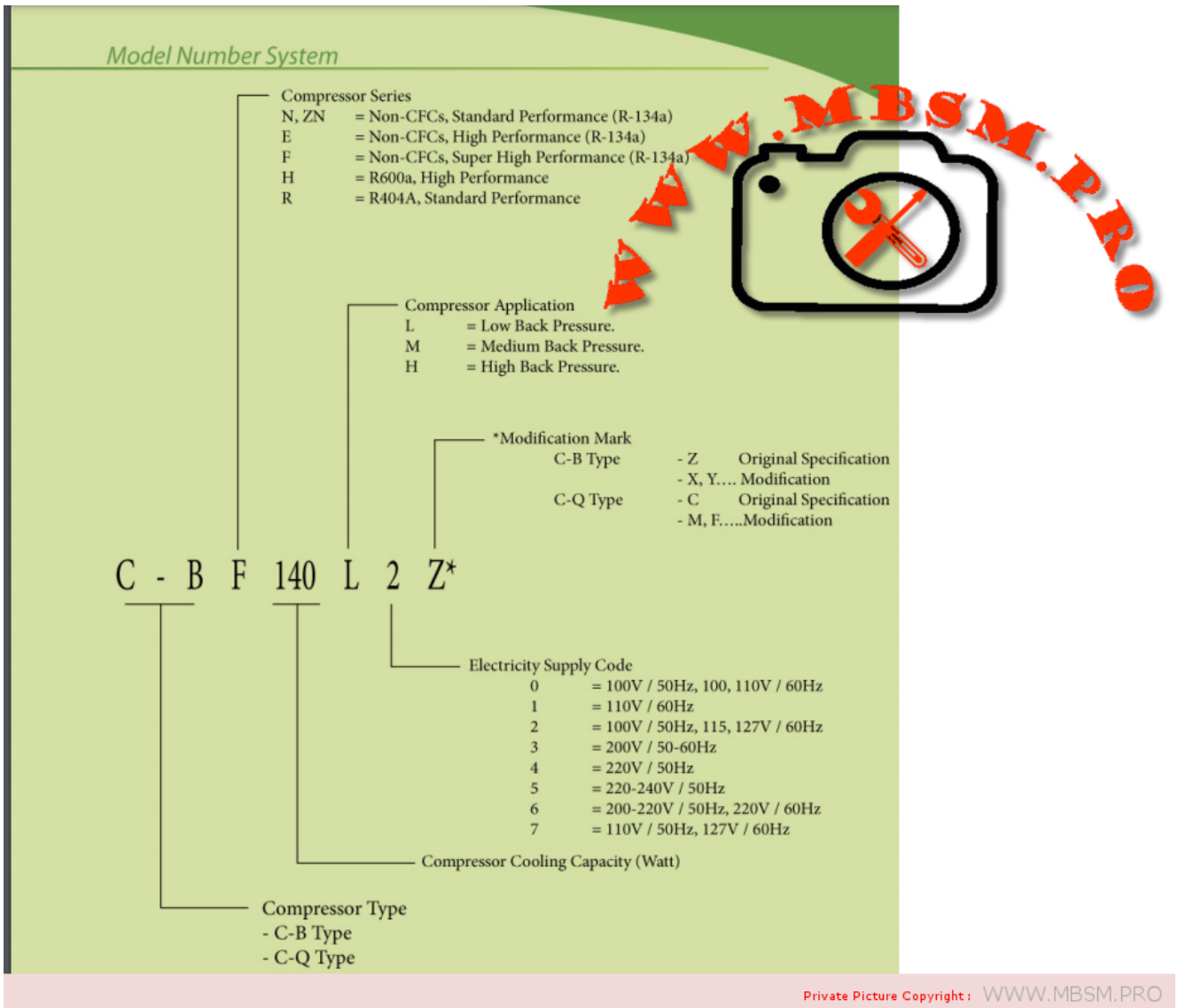
caused the protector to trip in the first place still exists, the compressor is likely to continue

to cycle on the overload until that condition is corrected.

There are two situations where a motor protector is expected to operate.

2. When the compressor is running under extreme conditions.
3. When the compressor is in a locked rotor condition. This is a situation where the compressor cannot start because the voltage is too low, the system pressures are outside the range for which the compressor is approved, there is internal damage to the compressor, or there is some other reason why the compressor is incapable of starting





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**KULTHORN**  
**COMPRESSOR**

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Name: Kulthorn Premier Company Limited (KPC)  
 Established: December 1982  
 Registered Capital: Baht 1,125 Million  
 Address: 446/3 Moo 9 Chachoengsao – Nakornratchasima Road,  
 Kabinburi Industrial Estate, Nongki, Kabinburi, Prachinburi 25160, Thailand  
 Telephone: (037) 204835, 455516  
 Fax: (037) 455525, 204844  
 E-mail: sales\_kpc@kulthorn.com  
 kamjorn@kulthorn.com  
 Employees: 900 persons  
 Land area: 91 rai (145,600 m<sup>2</sup>)  
 Building of area: 41,500 m<sup>2</sup>  
 Business Products: Hermetic Reciprocating Compressor (Scotch Yoke Mechanism)  
 (Product under license SANYO Japan) Size 30-250 Watt.  
Compressor series / Refrigerant  
 C-BN, C-BZN, C-BE, C-BF / R-134a  
 C-QN / R-134a  
 C-BH / R-600a  
 C-BR / R-404A  
 Shareholder: Kulthorn Kirby Public Company Limited 100%  
 Customers: **Domestic** – Haier, Sanyo, Toshiba, Hitachi, Daewoo, Samsung, Sanden, etc.  
**Total = 35%**  
**Export** – Daewoo, Sanyo Group, GE, Sanden, Haier, Singer, Videocon,  
 Toshiba, etc.  
**Total = 65%**  
 Quality System: ISO 9001:2000 Certified by TUV Nord Year 2003  
 Q-Mark Certified by F.T.I. Year 2007



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**Sangchai refrigeration, Fl series, Rl series, Cl series, Hitachi Compressor, FL1675-sc, 1/5 Hp, R-134A, Low back pressure, 160 w, Displacement 7.5 cm cube, 220-240 v 50 hz**

written by Lilianne | 15 April 2023

Sangchai refrigeration, Fl series, Rl series, Cl series, Hitachi Compressor, FL1675-sc, 1/5 Hp, R-134A, Low back pressure, 160 w, Displacement 7.5, 220-240 v 50 hz



**Hitachi Hermetic Compressors**

**FL Series**

**STANDARD MODEL**

Application & Refrigerant LBP R134a

Model	Nominal Power		Cooling Capacity				D cm3	Cooling			O cm3	Wg Kg	Motor Type	Power Source					Dimension Type - H
	HP	W	Hz	W	Kcal/h	BTU/h		N	Oil	Fan				1	2	3	4	5	
FL0634	1/12	65	50	78	67	266	3.42				200	6.8		•			•	Type1-165	
			60	90	77	307								•	•	•			
FL0739	1/10	75	50	95	82	324	3.94				270	7.8		•			•	Type1-179	
			60	108	93	368								•	•	•			
FL0845	1/8	85	50	105	90	358	4.50				270	8.1	RSIR	•			•	Type2-180	
			60	118	101	403								•	•	•			
FL1052	1/6	100	50	120	103	409	5.19	•			270	8.3	CSIR	•			•	Type1-195	
			60	140	120	478								•	•	•			
FL1157	1/5	110	50	135	116	461	5.70				240	8.7		•			•	Type2-200	
			60	158	136	539								•	•	•			
FL1262	1/5	125	50	150	129	512	6.23	•			320	9.5		•			•	Type3-211	
			60	170	146	580								•	•	•			
FL1675	1/4	180	50	185	159	631	7.47		•	•	300	10.6		•			•	Type4-216	
			60	210	181	717								•	•	•			
FL1888	1/4	180	50	215	185	734	8.83		•	•	300	11.1		•			•	Type4-216	
			60	250	215	853								•	•	•			

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**Detail of Label**

F L 14 62 - S B

Series name/Refrigerant  
 F = R134a  
 R = R404A  
 C = R600a

Application category:  
 L = Low back pressure  
 H = High back pressure

Nominal power (Out put)

Sign	Output(W)	Sign	Output(W)
04	45	15	150
05	55	16	160
06	65	17	170
07	75	18	180
08	85	20	200
10	100	25	250
11	110	35	350
12	125	40	400
14	140	45	450

Nominal voltages / Power source

Sign	Phase/voltage/frequency	Sign	Phase/voltage/frequency
H	1Ø 100 V 50/60 Hz	S	2Ø 220 - 240 V 50 Hz
P	1Ø 110 V 120 V 60 Hz	D	1Ø 100 V 50/60 Hz
U	1Ø 127 V 60 Hz	T	3Ø 200 V 50/60 Hz
R	1Ø 200 - 220 V 60 Hz		

Displacement

Sign	Displacement (Cm <sup>3</sup> )	Sign	Displacement (Cm <sup>3</sup> )
24	2.4	62	6.2
28	2.8	65	6.5
34	3.4	75	7.5
39	3.9	88	8.8
45	4.5	97	9.7
52	5.2	11	11.0
57	5.7		

Development  
 A - Z = With oil charge  
 1 - 9 = With out oil charge

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**C-B Compressors, Kulthorn,  
 1/5 HP, C-bz176L6Z,  
 Refrigeration  
 Compressor, R134A, 176W,  
 ,Original Specification,  
 220-220V/50Hz, 220V/60Hz, Low  
 Back Pressure**

written by Lilianne | 15 April 2023

C-B Compressors, Kulthorn, 1/5 HP, C-bz176L6Z, Refrigeration  
 Compressor, R134A, 176W, ,Original Specification,  
 220-220V/50Hz, 220V/60Hz, Low Back Pressure



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**QB66C13GAX5 , KIRIAZI  
Electronic , 250L (Freezer  
capacity 64L), Panasonic  
Compressor , 1/5Hp , 165W , Low  
back pressure, R134a,  
RSIR, 220-240V/1/50Hz**

written by Jamila | 15 April 2023



V41GX 8814

ME3489960

**QB66C13GAX5 R134a** (M)

220V ~ 50Hz 1PH  
THERMALLY PROTECTED

Matsushita Electric Industrial Co., Ltd.  
Manufactured by Panasonic Refrigeration  
Devices Malaysia Sdn. Bhd. Made in Malaysia

QB66C13GAX5 , KIRIAZI Electronic ,250L (Freezer capacity 64L),  
Panasonic Compressor , 1/5Hp ,165W ,Low back pressure,R134a,  
RSIR,220-240V/1/50Hz

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**COMPRESSOR, EMBRACO ,  
fgs130ha, LBP (Low Back  
Pressure) ,RSCR ,316 W ,1/3+  
HP ,220-240 V 50 Hz ,1080  
Btu/h ,11,14 c.c.,R134a**

written by Lilianne | 15 April 2023



**Embraco** FGS130HAW



THERMALLY PROTECTED

10 LRA

R 134a

1 PH

220-240V~

50Hz

JOINVILLE-SC NO START WITHOUT STARTING DEVICE  
MADE IN BRAZIL



513200607 FAB 1 26/JAN/05 E05DDHWA

HFC - 134a

△ 注意



高温注意

<b>Compressore</b>	EMBRACO
<b>Modello</b>	FGS130HAW
<b>Altezza (mm)</b>	
<b>Gas</b>	R134a
<b>Tensione</b>	220-240 V 50 Hz
<b>Applicazione</b>	LBP (Low Back Pressure)
<b>Test Condition</b>	ASHRAE LBP 32
<b>Cilindrata</b>	11,14 c.c.
<b>Motore</b>	RSCR
<b>Potenza (HP)</b>	1/3+
<b>Cap. Frigor. Watt</b>	316
<b>Cap. Frigor. Kcal</b>	272
<b>Cap. Frigor. Btu/h</b>	1080
<b>COP (W/W)</b>	1,49
<b>Watt assorbiti (W)</b>	
<b>Dispositivo di Adv.</b>	
<b>Condensatore</b>	
<b>Tipo Raffreddamento</b>	
<b>Imballo (Pcs/Pallet)</b>	

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**LOW BACK PRESSURE , HITACHI ,  
Compressor FL1257-SR , 1/5HP  
, R134a , 135 W , BTU/Hr 512**

# , Curcuit RSIR

written by Lilianne | 15 April 2023

LOW BACK PRESSURE , HITACHI , Compressor FL1257-SR , 1/5HP ,  
R134a , 135 W , BTU/Hr 512 , Curcuit RSIR