

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)

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

**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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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

**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 cm³ 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 cm³ 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

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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

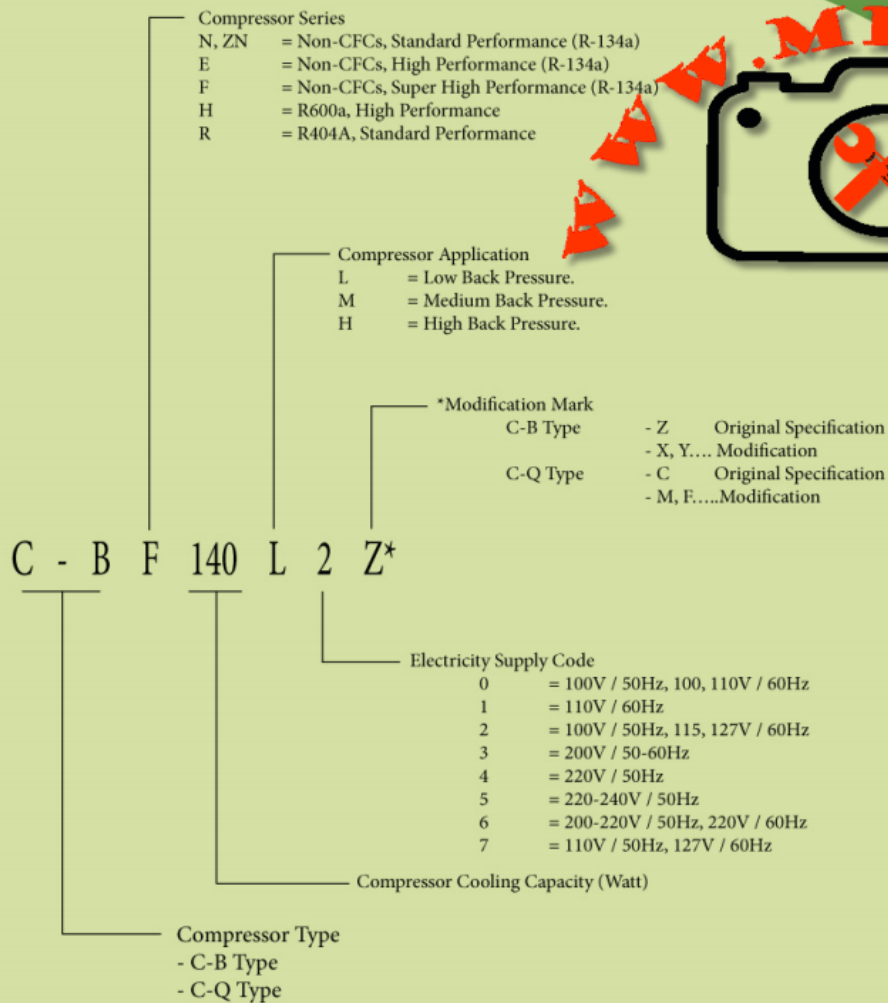
to cycle on the overload until that condition is corrected.

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



Model Number System



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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



Detail of Label

Series name/Refrigerant: F L 14 62 - S B

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	1Ø 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 ³)	Sign	Displacement(Cm ³)
24	2.4	62	6.2
28	2.8	68	6.8
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, T-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

**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



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

**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
MADE IN BRAZIL

NO START WITHOUT STARTING DEVICE



513200607 FAB 1 26/JAN/05 E05DDHWA

HFC - 134a

△ 注意



高温注意

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

**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