

# Mbsm.pro, compressor, Electrolux compressor, GL90TG, GP12TG, GP18TG, GR22TB, Sanaky 4-door 2000 liter, VH-2209HP

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 7 October 2023



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## Mbsm.pro , Compressor ACC ,Cubigel Huayi, Electrolux ZEM, GP12TG, HMBP-R134a, 220-230V ,50/60Hz, 3.8 HP

Category: Solutions,Tester ok

written by Jamila | 7 October 2023

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## COMPRESSOR

Displacement (cm3)	12
Diameter (mm)	29.37
Stroke (mm)	17.8
Net Weight (Kg)	11.2
Oil type	ISO VG 22 ESTER
Oil charge (cm3)	400

## MOTOR

Approximate Power (CV)	3/8
Voltage/Frequency (V/Hz)	200V 50Hz
Voltage range (V)	170-242
Code	61.575
Type	CSIR
Phase number	1 PH
Locked rotor current (A)	16.0
Main W. resist. at 25°C ( $\Omega$ )	4.59
Start W. resist. at 25°C ( $\Omega$ )	16.52

## APPLICATION

Application	High/Mid. back pressure
Refrigerant	R134a
Evaporating (°C)	-25 to 10
Expansion	Capillar/Valve
Comp. cooling	Fan cooled
Max. ambient temp. (°C)	43

## NOMINAL PERFORMANCE

Cooling capacity (kcal/h)	768	920
Input power (W)	505	530
EER (kcal/Wh)	1.52	1.73
COP (W/W)	1.76	2.01
Current (A)	3.29	3.39

### TEST CONDITIONS

Evaporating temp. (°C)	5.0	7.2
Condensing temp. (°C)	55.0	55.0
Liq.t. entering expan. (°C)	55.0	46.0
Ambient t. and return (°C)	32.0	35.0
Tens/Freq (V/Hz)	200V 50Hz	200V 50Hz

## ELECTRICAL COMPONENTS

Relay		2014 149.
Pick-1 In (A)		7 80

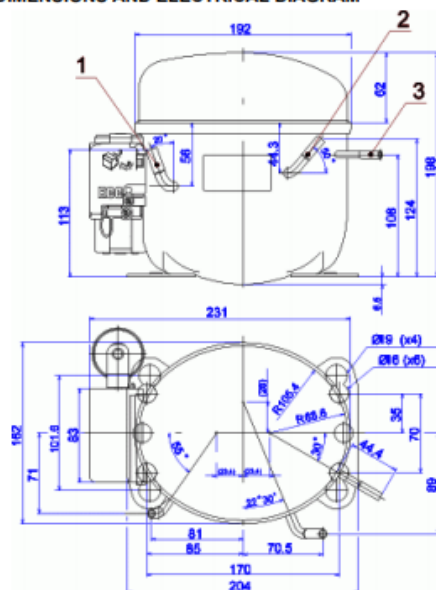


PictureS Mbsm Dot Pro : [www.mbsm.pro](http://www.mbsm.pro)

## ELECTRICAL COMPONENTS

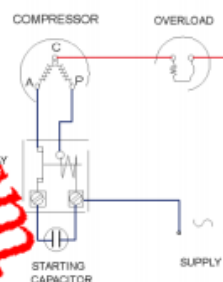
Relay	2014 149.	
Pick-Up (A)	7.80	
Drop-Out (A)	6.65	
Protector	MRT20APK	T0188
Current (A)	13.2	12.3
Time check (seg)	7.5-14	7.5-14
Disc temp. (Open/Close) (°C)	105.0 / 61.0	115.0 / 61.0
Starting capacitor (μF/V/F/V)	47- 56 / 330	

### DIMENSIONS AND ELECTRICAL DIAGRAM



	DESIGNATION	INTERNAL DIAM. (MM)
1	Suction/Service	8.1
2	Service/Suction	8.1
3	Discharge	6.5

## CSIR



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