

Ref. No.	LGACC-030808-202
Date	Aug. 08. 2003
Rev. No.	REV. 0
Rev. Date	-

1. Specification

1.1 Compressor

1	Compressor Model Name	GK094PAA
2	Compressor Type	Hermetic Motor Compressor
3	Compression Type	Rotary (Rolling Piston Type)
4	Displacement	9.4 cm ³ / rev
5	Refrigerant	R410A
6	Oil / Oil Charging Amount	FVC68D / 330 ± 10 cc
7	Nitrogen Gas Holding Pressure	0.8 ± 0.2 kg / cm ² G
8	Painting	Black Color Paint
9	Net Weight (Including Oil)	11.7 kg
10	Suction Tube I.D.	Φ 9.7 $\begin{matrix} +0.15 \\ -0 \end{matrix}$
11	Discharge Tube I.D.	Φ 8.06 $\begin{matrix} +0.1 \\ -0 \end{matrix}$

1.2 Motor

Motor Type / Starting Type	Single Phase Induction Motor / PSC	
Pole / Rated Output	2 POLE / 780 [W]	
Power Source	1 PH - 220/240 V - 50 Hz	
Rated Revolution	2830/2860 rpm	
Insulation Class	E CLASS	
Winding Resistance (at 25°C)	Main	4.02 ± 7 % [Ω]
	Sub	4.19 ± 7 % [Ω]

Ref. No.	LGACC-030808-202
Date	Aug. 08. 2003
Rev. No.	REV. 0
Rev. Date	-

1.3 Performance

	at 220V	at 240V
Cooling Capacity [BTU/h] (± 5%) [W]	7,700 2,256	7,750 2,271
Power Input (± 5%) [Watts]	794	824
E.E.R.(± 5%) [BTU/Wh, (W/W)]	9.7 (2.84)	9.4 (2.76)
Running Current [A]	3.7	3.5
Locked Rotor Ampere [A]	-	18.7 A
Sound Pressure Level [dB(A)]	-	57 ± 2
Vibration [gal]	-	1300 Max

Starting Condition	Specification	Pressure Condition
at Normal Condition	start at 90% of Rated Voltage (198 Volt)	Ps / Pd = 9.12 / 33.45 kg/cm ² G
at Overload Condition	start at 95% of Rated Voltage (209 Volt)	Ps / Pd = 10 / 42 kg/cm ² G

※) Rating Conditions

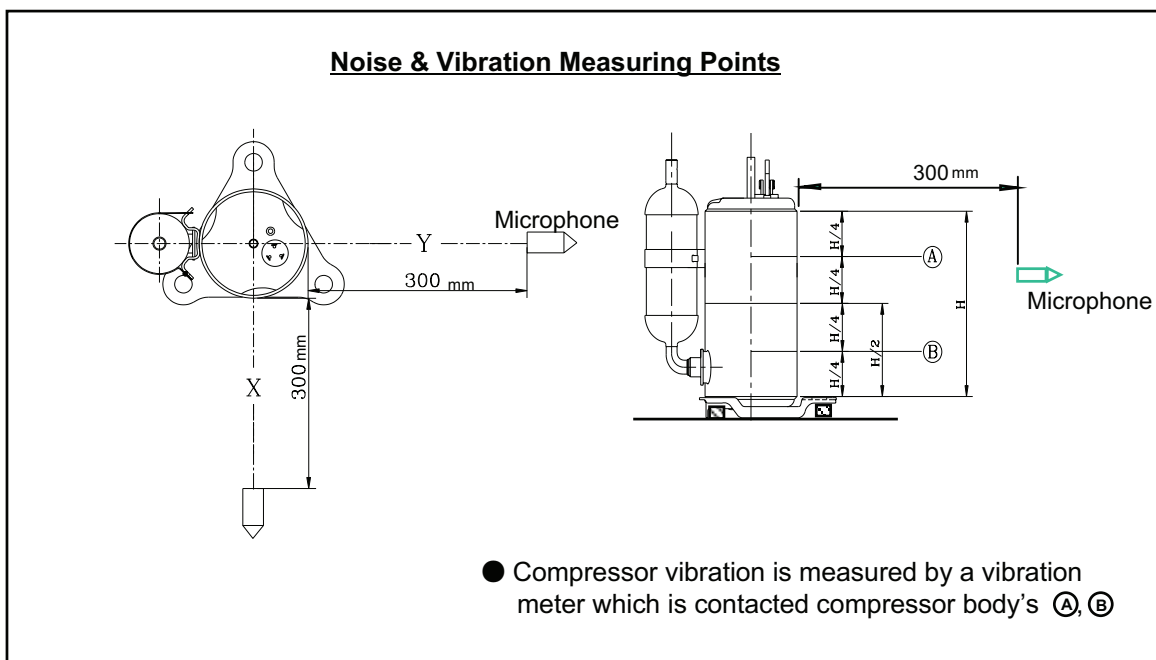
Cond. Temp. : 54.4 °C (130 °F)

Return Gas Temp. : 35.0 °C (95.0 °F)

Evap. Temp. : 7.2 °C (45 °F)

Liquid Temp. : 46.1 °C (114.9 °F)

Ambient Temp. : 35.0 °C (95 °F)



Ref. No.	LGACC-030808-202
Date	Aug. 08. 2003
Rev. No.	REV. 0
Rev. Date	-

1.4 Others

Leak Tight Pressure	High Pressure Side	40 kg/cm ² G
	Lower Pressure Side	- kg/cm ² G
Hydrostatic Strength Pressure	High Pressure Side	170 kg/cm ² G
	Lower Pressure Side	80.0 kg/cm ² G
Insulation Resistance (with 500V D.C Mega Tester)		50 MΩ Min.
Withstand Voltage		at 1,800V - 1 min.(2,200 V- 1 sec.) Leakage Current is less than 5mA .
Residual Moisture / Residual Impurities		150 mg Max. / 50 mg Max.

1.5 Electrical Component

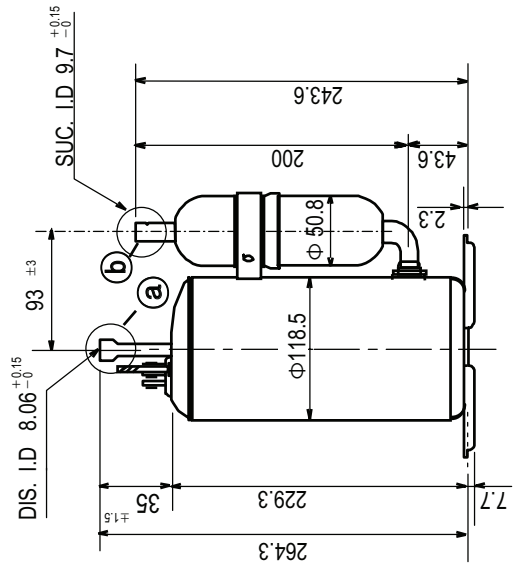
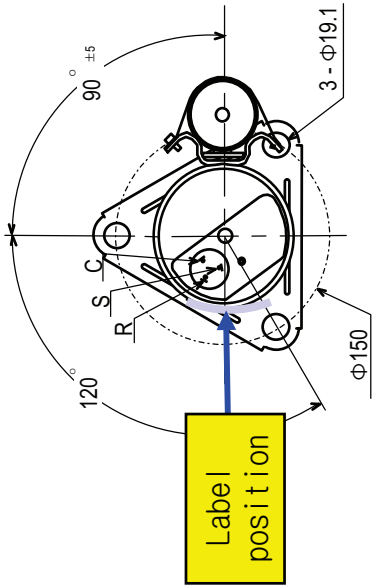
Part Name	Specification
Running Capacitor	30 μF / 370 VAC
Overload Protector	MRA12130-12026 (Texas Instrument)

2.Delivered Parts List

Parts Name	Type (Model)	EA	Parts Dwg. NO.(LG)	Supply	
			-	YES	NO
Compressor	GK094PAA	1	-	YES	NO
O.L.P	MRA12130-12026	1	6750U-L061A	YES	NO
Cover, Terminal	-	1	3550U - L004A	YES	NO
Gasket	-	1	4986U - L001G	YES	NO
Nut, Hexagon Flange	-	1	1NFZU - L001A	YES	NO
Washer, Plain Cover	-	1	1WPZU - L001A	YES	NO
Grommet	-	3	4022U - L002A	YES	NO
Sleeve, Grommet	-	3	4816U - L001C	YES	NO
Bolt, Stud	-	3	1BSZU - L002B	YES	NO
Washer, Plain	-	3	1WPZU - L003A	YES	NO
Nut, Hexagon	-	3	1NHZU - L001A	YES	NO
Capacitor	-	1	-	YES	NO

※) Refer to Attachments (Accessory Parts Drawings.)

Ref. No.	LGACC-030808-202
Date	Aug. 08. 2003
Rev. No.	REV. 0
Rev. Date	-



NOTES

1. PAINTING : BLACK PAINT (ELECTRO DEPOSITION)
2. OIL : FVC68D (Ether) OR EQUIVALENT 330 cc CHARGED
3. NITROGEN CHARGED AFTER DEHYDRATION

UNIT	mm	SCALE	N / S
DES. ENGR.	Y. B. YEOM	CHF. ENGR.	H. C. JEONG
DES. DATE	Dec. 09. 2002	CHF. DATE	Dec. 09. 2002
DES. BY	Y. B. YEOM	CHF. BY	H. C. JEONG
COMP. NAME	LG Electronics Inc.	CUSTOMER	CUSTOMER
COMP. DIV.	A/C COMP. Division	EMBRITRAL	EMBRITRAL
COMP. OUT LINE			
GK094PAA			