LG Refrigeration Compressors





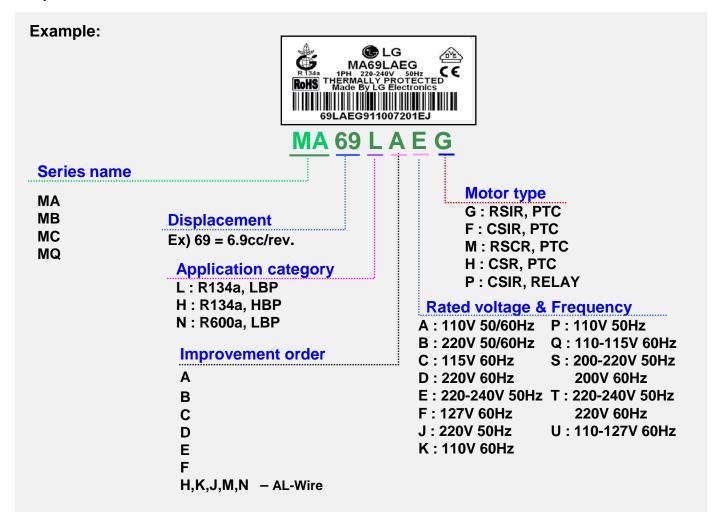
Refrigerants: R 134a R 600a



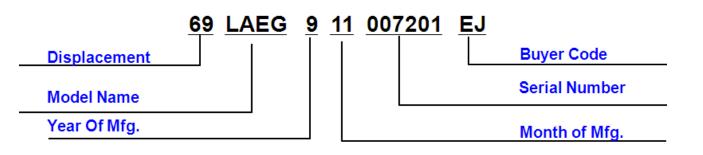
Hermetic Compressors



Compressor Name Code:



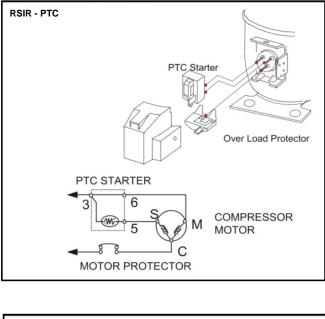
Serial Number:

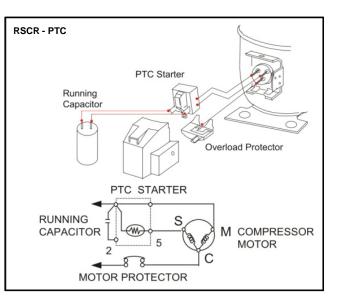


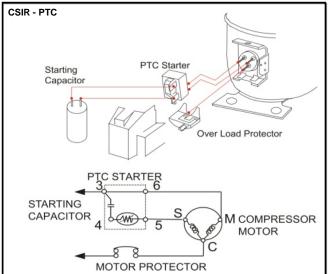
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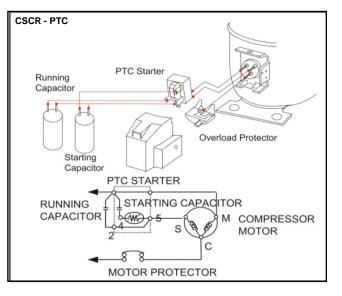


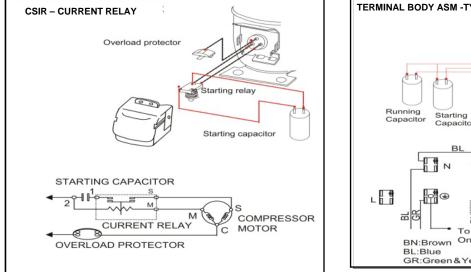
Electrical Wiring Diagrams :

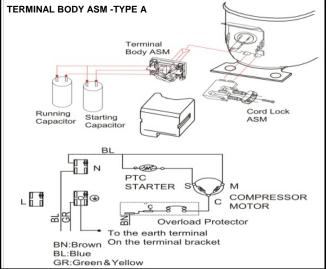








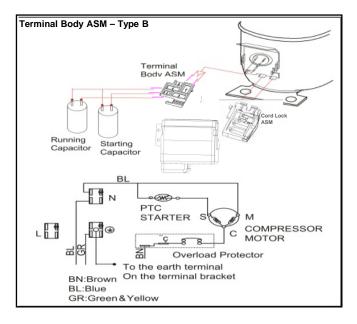


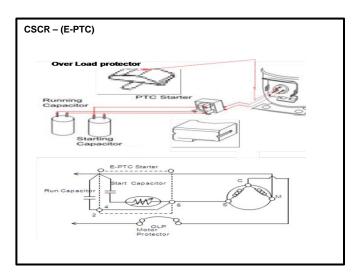


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Electrical Wiring Diagrams :



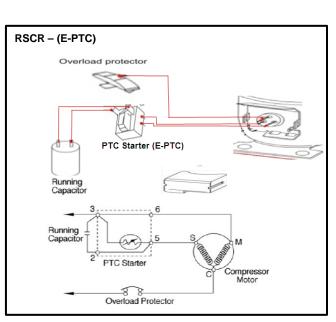


Motor Types

| | Overload | Starting | Device | Capacitors | | | | | | |
|------------|-----------|----------------|------------------|------------|---------|--|--|--|--|--|
| Motor Type | Protector | PTC Starter | Current Relay | Starting | Running | | | | | |
| RSIR | Yes | Yes | | | | | | | | |
| RSCR | Yes | Yes | | | Yes | | | | | |
| CSIR | Yes | Yes | Yes | Yes | | | | | | |
| CSCR | Yes | Yes | | Yes | Yes | | | | | |

Motor Starting Torque Classification

| Туре | Description |
|------|---|
| LST | Low Starting Torque For RSIR/RSCR motor in LBP / HBP model Suitable for capillary application |
| нѕт | High Starting Torque For CSIR/ CSCR motor in LBP / HBP model Suitable for expansion valve application |

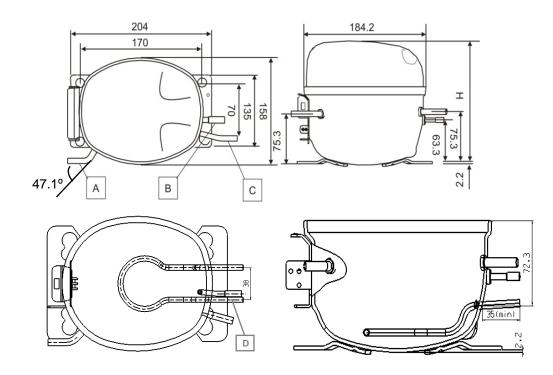


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Compressor Mounting Details:

MA/MC/MQ



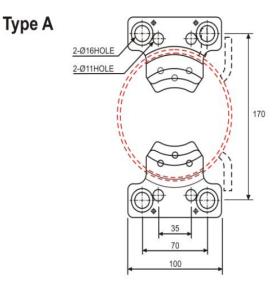
Compressor Pipe Dimensions:

| Pipe | OD (mm) | ID (mm) | T(mm) | Material | Remarks |
|-----------------|---------|---------|-------|----------|--|
| Suction (A) | 7.94 | 6.54 | 0.7 | copper | Suction Pipe bend as per the customer |
| () | | 6.10 | 0.9 | copper | requirement |
| Discharge (B) | 6.7 | 5.00 | 0.85 | copper | |
| | 7.94 | 6.54 | 0.7 | copper | |
| Process (C) | 7.94 | 6.10 | 0.9 | copper | |
| Oil Cooling (D) | 6.35 | 4.95 | 0.7 | copper | |

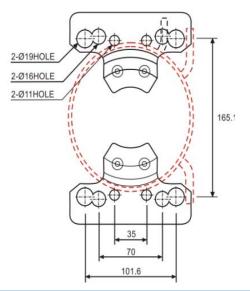
Compressor Height:

| Series | Height (H) (mm) |
|---|--------------------|
| MA42/45/53 | 172 |
| MA57/62/69/72/88 MA42LH*/MA53LH*/ MA45LH* | 177 |
| MC53/57/ MA62LH*/ MA69LH* / MA72LH* | 180 |
| MQ88/98 | |

Mounting Bracket:

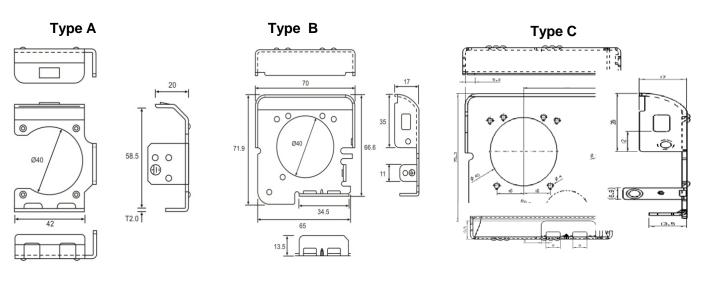




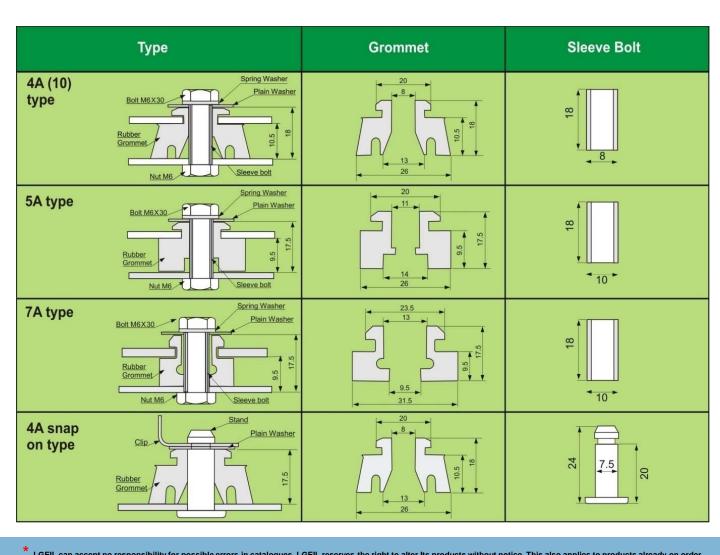


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Terminal Protector:



Mounting Accessories:



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|---|-----------|
| Ð |) |

Parformanca data chaat R134a

Compressors

| | | Net Weight | (kg) | 8.1 | 0.1 8.2 | 8.2 | 8.2 | 7.5 | 8.3 8.3 | 8.3 | 8.2 | 0 00 | 8.2 | 8.9 | 8.8 | 9.1 | 8.2 | 0.6 | 8.5 | 9.2 | 9.1 | 9.2 | 9.0 | 9.1 | 9.1 | 9.0 0.6 | 9.1 | 9.5 0.0 | 5.6 | 9.3 | 8.4 | 0.0 | 8.3 9.1 | 8.2 | 8.2 | 9.0 9.5 | 8.1 | 9.5 | 9.6 9.5 | 9.1 | 8.6 | 8.6 8.6 | 9.5 | 9.3 8.2 | 8.3 |
|-------------------------|---|----------------------|--|-----------|-------------------------------|------------|-----------|-----------|------------------------|-----------|---------------|----------------------|-----------|----------------------|------------|-----------|-----------|------------|-----------|------------|------------|------------|----------------------------|-----------|------------|------------------------|-----------------|------------|----------------------------|-----------------|------------|------------|--------------------------|-----------|-----------------|-------------------------|-----------|-----------|-------------------------|-----------------|------------|------------------------|-----------|------------------------|------------|
| | | Compressor Height | (mm) | 172 | 112 | 172 | 172 | 177 | 172 | 172 | 172 | 117 | 177 | 177 | 171 | 172 | 172 | 117 | 177 | 177 | 171 | 111 | 180 | 177 | 177 | 180 | 177 | 180 | 180 | 177 | 172 | 177 | 177 | 177 | 172 | 177 | 180 | 180 | 180 | 177 | 172 | 1/2 | 177 | 177 | 177 |
| | | Cooling | ady i | ST | st o | ST | ST | ST | ST | st | s s | א ה | ST | ST | ST | ST | ST of | 0 J | ST | ST/OC | ST | STOC | ST | ST/OC | ST/OC | 2 2 | ST/OC | ST | ST | FC | ST | sı s | ST | ST | ST | ST | ST | ST | N N | ST | 2 f | 2 5 | 2 | <u>6</u> 5 | 2 22 |
| | | đ | (cc) | 220 | 220 | 220 | 220 | 220 | 220 220 | 220 | 220 | 720 | 220 | 220 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 022 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 220 | 220 | 220 220 | 220 |
| | OIL | | Viscosity (cst) | 22 | 2 22 | 22 | 22 | 22 | 3 23 | 32 | 32 | 3 8 | 22 | 3 23 | 32 | 22 | 32 | 3 6 | 52 | 22 | 22 52 | 3 6 | 22 | 22 | 22 | 2 22 | 22 | 32 | 22 | 22 | 22 | 22 | 22 % | 22 | 22 | 1 B | 9 | 9 | 9 9 | 22 | 22 | 2 22 | 22 | 2 23 | 12 |
| | | | Running V (µF/Surge Voltage) | 5/400 | | | | 5/400 | 5/400 | - | 5/400 | 5/400 | 5/400 | | | | 5/400 | | 5/400 | | | 5/400 | | | 5/400 | | 5/400 | | | | | | | 14/220 | 5/400 | - 5/400 | 5/400 | 5/400 | 5/400 5/400 | 5/400 | | | | | , |
| | | aci | Starting R (µF/ Surge (µl Voltage) V | H | | | | | | | | | , | | | | | | | | | | | | | 50/275 | | | | 50/275 | | | - 40~60/275 | | + | 5/400 | | | 30/300 | | | 50/2/5 | | 40~60/230 | 50/275 |
| | ARTS | | | Н | кго 61A1 | 61A1 | RFB | LFB | SFB | SFB | RFB | K01A1 | SFB | 61A1 SFR | 61A1 | TFB | SFB | SFB | SFB | 361A1 | 561A1 | CEB | S61A1 | SFB | | | , - | TFB TCD | | | 61A1 | RFB | | | | | RFB | RFB | | | - | | VFB | - | |
| | ELECTRICAL PARTS | Motor | Protector (OLP) | 4TM158RFB | 4 I M I DORF D DRB 19T61A1 | DRB19T61A1 | 4TM174RFB | 4TM166LFB | 4TM213SFB 4TM149NFB | 4TM213SFB | 4TM158RFB | DRB1/R61A1 | 4TM213SFB | DRB20T61A | DRB20T61A1 | 4TM232TFB | 4TM213SFB | 41M2135FB | 4TM213SFB | DRB24S61A1 | DRB24S61A1 | ATM213CEB | 4 I WZ 135FD DRB24S61A1 | 4TM213SFB | 4TM213SFB | 41M2321FB 4TM232TFB | DRB19T61A1 | 4TM232TFB | 4 INIZ3211 D 4 TM232TFB | 4TM314TFB | DRB26T61A1 | 4TM283RFB | 4TM283RFB 4TM314TFB | 4TM314TFB | 4TM158RFB | DRB19T61A1 4TM158RFB | 4TM158RFB | 4TM158RFB | 41M1166LFB 4TM174TFB | 4TM158RFB | DRB20T61A1 | 41M213SFB 4TM213SFB | 4TM276VFB | 4TM283RFB 4TM283RFB | 4TM314 |
| | ELE | Starting | Device (PTC) | QP2-33MD2 | QP2-33MC1 | QP1-33MC1 | OP2-33MC1 | QP2-33MD2 | QP2-33MC1 OP2-33MD2 | QP2-33MC1 | QP2-33MD2 | GP2-33MD2 | QP2-33MD2 | P220MC | P220MC | QP2-33MC1 | QP2-33MD2 | DP2-33MC1 | QP2-33MD2 | QP2-33MC1 | P220MC | 0P2-33MD2 | QP2-33MC1 | QP2-33MC1 | QP2-33MD2 | ULZ-3.3B3 QL2-3.3B3 | QP2-33MD2 | QP2-33MC1 | QP2-33MC1 | QL2-5.55 | QP2-33MC1 | GP2-33MC1 | QP2-33MC1 01 2.5 55B3 | PGR8MB | QP2-33MD2 | QP2-33MD2 QP2-33MD2 | QP2-33MD2 | 0P2-33MD2 | QP-33MD2 330MB | QP2-33MD2 | 8 | 8.8 | 30 | P330 OP2-33MB3 | QL2-5.55B3 |
| | | | Motor Type | | | | | | | , | | | | | | | | | | | | | | | - | | | | | 2 | | | | | | | | - | | | | | | | |
| | Hz) | | | RSCR-PTC | RSIR-PTC | RSIR-PTC | RSIR-PTC | RSCR-PTC | RSIR-PTC RSCR-PTC | RSIR-PTC | RSCR-PTC | RSCR-PTC | RSCR-PTC | RSIR-PTC PSIR-PTC | RSIR-PTC | RSIR-PTC | RSCR-PTC | RSIR-PTC | RSCR-PTC | RSIR-PTC | RSIR-PTC | PSUR-PTC | RSIR-PTC | RSIR-PTC | RSCR-PTC | CSIR-Relay | RSCR-PTC | RSIR-PTC | RSIR-PTC | CSIR-Relay | 4 RSIR-PTC | | S RSIR-PTC | | RSCR-PTC | RSCR-PTC RSCR-PTC | RSCR-PTC | RSCR-PTC | KSCR-P1C CSCR-PTC | RSCR-PTC | RSIR-PTC | CSIR-PTC RSIR-PTC | RSIR-PTC | RSIR-PTC CSIR-PTC | CSIR-Relay |
| | PERFORMANCE (ASHRAE -23.3°C/54.4°C @ 60 Hz) | | W Btu/Wh | ' | | 1 | ' | | ' | | ' | | | | ' | | ' | | | | | | | | 1 | | ' | ' | | | ł | - | 3 4.5 | | ' | | | ' | | | ' | | ' | | ' |
| | -23.3°C/5 | | Power COF (W) W/W | | | 1 | | - | • | | • | | | | - | | • | | | - | | | | | | | | · | | - | 32 1.3 | 155 1.4 | 85 1.3 32 1.3 | 137 1.3 | | | - | 1 | | - | • | | | • • | |
| | (ASHRAE | | Btu/h (/ | | | | | | • | | | | | | | | | | | | | | | | | | | | | | 580 | | 834 1 1048 2 | | | | | | | | , | | | | |
| | RMANCE | Cooling Capacity | M | ÷ | | | | | • | • | | | | | • | | • | | | | | | | | • | | | • | | | - | | 244 306 | | | | | | | | • | | | | |
| | PERFO | Cooli | kcal/h | · | | ÷ | • | | • | · | • | | • | | • | ÷ | ÷ | | ł | | ÷ | • | | | ł | | ÷ | · | | ÷ | 146 | 180 | 210 264 | 149 | • | | | • | | | • | | • | • • | • |
| | Hz) | Ĺ | Btu/Mh | 3.77 | 3.80 | 3.80 | 3.97 | 3.77 | 3.78 | 3.78 | 3.97 | 4.31 4 31 | 4.21 | 4.21 4.10 | 4.21 | 4.21 | 4.21 | 4.21 | 4.61 | 4.44 | 4.44 | 4.00 | 4.03 | 4.69 | 4.61 | 4.24 | 4.71 | 4.41 | 4.41 | 4.11 | 4.00 | 3.97 | 4.19 3.87 | - | 5.34 | 5.34 5.30 | 5.26 | 5.50 | 5.50 5.42 | 5.28 | 7.50 | 7.50 7 | 7.50 | 7.51 | 7.05 |
| | PERFORMANCE (ASHRAE -23.3°C/54.4°C @ 50 Hz) | | W/W | 1.1 | 11 | 1.1 | 1.2 | 1.1 | 1.1 | 11 | 1.2 | <u>;</u> | 1.2 | 12 | 1.2 | 1.2 | 12 | 12 | 13 | 1.3 | 1:3 | 4.1 | 4. C. | 1.4 | 1.4 | 12 | 1.4 | t. 13 | i ti | 1.2 | 1:2 | 1:2 | 1.2 | | 1.6 | 1.6 | 1.5 | 1.6 | 1.6 | 1.5 | 2.2 | 22 | 2.2 | 2.2 | 2.1 |
| | 23.3°C/54 | Input | Power (VV) | 26 20 | g 96 | 96 | 66 | 97 | 104 104 | 104 | 66 | 7 | 118 | 118 | 118 | 130 | 130 | 130 | 125 | 134 | 134 | 122 | 134 | 127 | 148 | 159 | 145 | 152 | 162 | 227 | 123 | 150 74 | 163 | - | 104 | 104 | 105 | 106 | 112 | 109 | 188 | 233 | 254 | 275 275 | 355 |
| | SHRAE - | | ₽ | 0.144 | 0.15U 0.144 | 0.144 | 0.154 | 0.144 | 0.154 | 0.154 | 0.154 | 0.159 | 0.195 | 0.195 | 0.195 | 0.215 | 0.215 | 0.215 | 0.226 | 0.234 | 0.234 | 0.234 | 0.234 | 0.234 | 0.268 | 0.265 | 0.268 | 0.264 | 0.281 | 0.367 | 0.193 | 0.234 | 0.268 | - | 0.218 | 0.218 | 0.217 | 0.229 | 0.239 | 0.226 | 0.554 | 0.686 | 0.749 | 0.811 | 0.983 |
| eet: | AANCE (A | acity | Btu/h | 365 | 365 | 365 | 393 | 365 | 393 | 393 | 393 101 | 405 | 496 | 496 496 | 496 | 548 | 548 | 540 548 | 576 | 596 | 596 | 060 | 596 | 596 | 683 C75 | 675 675 | 683 | 671 | 715 | 933 | 492 | 596 596 | 683 933 | - | 556 | 556 552 | 552 | 584 | 584 607 | 576 | 1409 | 1/4/ 1747 | 1906 | 2064 | 2501 |
| a sn | PERFORI | Cooling Capacity | M | 107 | 107 | 107 | 115 | 107 | 115 | 115 | 115 | 119 | 145 | 145 | 145 | 160 | 160 | 160 | 169 | 174 | 174 | 1/4 | 174 | 174 | 200 | 198 | 200 | 197 | 209 | 273 | 144 | 174 | 200 273 | - | 163 | <u>8</u> | 162 | 171 | 1/1 | 169 | 413 | 512 512 | 558 | 605 605 | 733 |
| dat | | | kcal/h | 32 | 8 8 | 92 | 66 | 92 | 66 B | 6 | ⁶⁶ | 2 <u>6</u> | 125 | 125 | 125 | 138 | 138 | 33 | 145 | 150 | 150 | | 150 | 150 | 172 | 170 | 172 | 169 | 8 | 235 | 124 | 150 | 172 | | 140 | 140 | 139 | 147 | 14/ | 145 | 355 | 440 | 480 | 520 520 | 630 |
| ance | | Displa- cement | (cc) | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.5 | 4.5 | 4.5 | 4.5 | 5.3 | 5.3 5.3 | 5.3 5.3 | 5.7 | 5.7 | 57 | 5.7 | 6.2 | 6.2 | 2.0 2.0 | 6.2 | 6.2 | 6.9 | 6.9 6.9 | 6.9 | 6.9 | 7.2 | 8.8 | 5.3 | 5.1 6.2 | 6.9 8.8 | 5.3 | 5.3 | 53 | 5.3 | 5.7 | 5.7 | 5.7 | 4.2 | 5.3 5.3 | 5.7 | 6.2 | 7.2 |
| Pertormance data sheet: | | Model | | MA42LFJM | MA42LUUG | MA42LMJG | MA42LKJG | MA42LHJM* | MA45LDJG MA45LCJM | MA45LCJG | MA45LDJM | MA45LFJM MA45LHJM | MA53LAJM | MA53UJG MA53LR IG | MA53LHJG | MA57LBJG | MASTLAIM | | MA57LDJM | MA62LBJG | MA62UJG | | MA62LHJG | MA62LCEG | MA69LAEM | MA69LAEP | MA69LCJM | MA69LHEG | MA72LHEG | MA88LAEP | MA53LATG | MAS/LATG* | MA69LATG* MA88LATD* | MA53LBFH* | MA53LAEM | MA53LHEM MC53LAFM | MC53LBEM | MC57LAEM | MC57LBEM MC62LAEH* | MA57LBJM | MA42HAEG | MA53HAEF MA53HAEG | MA57HAEG | MA62HAEG MA62HAFF | MA72HAEP |
| Pe | | Freq (H-) | (711) | | _ < | _ | - | _ | | | | _ < | | - 14 | | 9 | | | | | | | | | | | | | | - | - 1 | 50/60 N | | 60 | | | 50 | | | 50 N | | | 50 | ~ 2 | <u>_</u> |
| 34a - | | Voltage | 2 | | | | | | | | | 000 | ł | | | | | | | | | 010 000 | 220 | | 220-240 | | 220 | 220-240 | 770 | | | | | 127 | | | 220-240 | | | 220 | | | 220-240 | | |
| R13 | | igerai licatio | | | | | | | D | ow | nlo | ad | froi | m V | Vw | w.\$ | Sor | ma | nu | als | .co | om. | . Al | IN | ten | ual | s S | Sea | rcł | n A | nd | Dov | wnlo | bad | | В | 33-11 | 1 48 | 97 | | | - | 18P | ł | |

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Note: ST: Static Cooled, OC: Oil Cooled, FC - Fan Cooled.



R600a - Performance data sheet:

| : | Net Weight (kg) | 9.5 | 9.6 | 9.6 | 9.6 | 9.5 | 9.5 | 9.0 | s ruch ruch ruch ruch ruch ruch ruch ruch |
|---|---|-----------|-----------|-----------|-----------|-------------|-------------|-----------|---|
| | Compressor Height (mm) | 180 | 180 | 180 | 180 | 180 | 180 | 177 | Conversions: 1 Watt = 3.41 Btu/hr 1 Watt = 0.86 Kca/hr 1 Kcal/hr = 3.97 Btu/h 1 cu.ft = 28.32 liters |
| | Cooling Type | ST | SI | ST | ST | ST | ST | ST | Conversions: 1 Watt = 3.41 Bt 1 Watt = 0.86 Kd 1 Kcal/hr = 3.97 1 cu.ft = 28.32 li |
| oIL | Qty (cc) | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 0 |
| | Viscosity (cSt) | 10 | 9 | 10 | 9 | 10 | 10 | 10 | |
| | Icitor Running (JuF/Surge Voltage) | 5/400 | 5/400 | 5/400 | 5/400 | 5/400 | 5/400 | 5/400 | |
| | Capacitor Starting Ru (µF/ Surge (µF Voltage) V(| 30/300 | 30/300 | | | 30/300 | | • | |
| ELECTRICAL PARTS | Motor Protector (OLP) | 4TM149NFB | 4TM149NFB | 4TM149NFB | 4TM149NFB | 4TM149NFB | 4TM134KFB | 4TM149NFB | |
| ELECTF | Starting Device (PTC) | P330MB | SMB3 | | ND2 | PTHTM330MB3 | PTHTM470MD2 | 220MD2 | |
| | Motor Type | CSCR-PTC | CSCR-EPTC | RSCR-PTC | RSCR-EPTC | CSCR-EPTC | RSCR-EPTC | RSCR-PTC | |
| PERFORMANCE (CECOMAF -25°C/55°C @ 50 Hz) | EER Btu/Mh | 4.6 | | 4.9 | 4.9 | 4.6 | 4.4 | 4.2 | |
| 5°C/55°C | COP W/W | 1.3 | 5 | 1.4 | 1.4 | 1.3 | 1.3 | 1.2 | |
| DMAF -2 | Input Power (W) | 67 | 6 | 92 | 88 | 91 | 09 | 98 | |
| E (CEC | acity Btu/h | 447 | 447 | 447 | 420 | 420 | 264 | 366 | |
| ORMANC | ling Capacity W Bt | 131 | 131 | 131 | 123 | 123 | 17 | 107 | |
| PERF(| Coolin kcal/h | 112.5 | 112.5 | 112.5 | 99 | 106 | 99 | 92.25 | |
| (ZH | EER Btu/Mh | 5.96 | 5.96 | 6.30 | 6.29 | 5.96 | 5.70 | 5.49 | |
| 4°C @ 50 | COP W/W | 1.7 | 1.7 | 1.8 | 1.8 | 1.7 | 1.7 | 1.6 | |
| 3.3°C/54. | Input Power (VV) | 100.0 | 100.0 | 94.5 | 89.0 | 94.0 | 61.7 | 89.0 | |
| HRAE -2 | 먚 | 0.234 | 0.234 | 0.234 | 0.220 | 0.220 | 0.138 | 0.192 | |
| PERFORMANCE (ASHRAE -23.3°C/54.4°C @ 50 Hz) | city Btu/h | 596 | 596 | 596 | 560 | 560 | 352 | 488 | |
| RFORM/ | Cooling Capacity h W B | 174 | 174 | 174 | 164 | 164 | 103 | 143 | |
| H | Cooli kcal/h | 150 | 150 | 150 | 141 | 141 | 88.6 | 123 | Dooled |
| | Displa- cement (CC) | 9.8 | 8.6 | 9.8 | 9.0 | 9.0 | 6.2 | 8.2 | C Fan C |
| | Model | MQ98NAJH | MQ98NBJH | MQ98NAEM | MQ88NAEM | MQ88NAEH | MQ62NAEM | MB82NAEM | ST: Static Cooled, OC: Oil Cooled, FC - Fan Cooled |
| | 6 Lited | | | | 0 | | | ooled, C | |
| | Voltage (V) | 000 | 077 | | | 220-240 | | | Static C |
| uc | B Applicatio | 009 | 2 | 0 | - 18 | | Inte | 00 | អ៊ី ភូ ព័ត្រិm Www.Somanuals.com. All Manuals Search And Downloa |
| | 6 | 50 | -9 | | L | 100 | mu | au | |

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Applications:

Low Back pressure (LBP):

These models are used to work in low evaporating temperature ranges, these are suitable for commercial refrigeration, deep freezers and house hold refrigerators as well.

•Deep freezer

Refrigerator

Ice cube Machine

Laboratory Appliance

•Dehumidifier

Compressor Selection Guide:

Refrigerator:

| Application | Capa (L) | Compressor | | | | | | |
|-------------|----------|---|--|--|--|--|--|--|
| DC | 170-190 | MA42LFJG/ MA42LHJG/ MA42LJJG/ MA42LMJG | | | | | | |
| | 210-230 | MA53LBJG MA53LHJG | | | | | | |
| | 280 | MA57LBJG/ MA57LHJG | | | | | | |
| FF | 300-350 | MA62LBJG/MA62LHJG | | | | | | |
| | 390 | MA69LAEG/MA69LHEG | | | | | | |
| | 400 | MA69LAEP | | | | | | |
| | 360-450 | MA72LBJG/MA72LHEG | | | | | | |

Deep Freezer:

| Capa (L) | Compressor |
|----------|--|
| 70-80 | MA42LFJG / MA42LMJG/ MA42LHJG / MA42LJJG |
| 250 | MA57LBJG / MA57LHJG / MA62LBJG / MA62LHJG |
| 300 | MA69LAEP |
| 350 | MA72LAEP |
| 400 | MA88LAEP |

•Panel Cooler •Water Chiller

•Milk Cooler

•Refrigerated Air Dryer

HBP Applications:

These models are suitable to work under the conditions exposed to high evaporating temperature ranges. These type of compressors are suitable for the applications such as dehumidifiers. •Beverage Cooler/Bottle Cooler

Compressor Selection Guide:

| Application | Сара | Compressor | | | | | |
|---------------|-------------------|------------------------|--|--|--|--|--|
| Water Cooler | 20 LPH | MA53HAEF | | | | | |
| | 100-120 Ltrs | MA53HAEF | | | | | |
| Bottle Cooler | 150-200 Ltrs | MA62HAEG | | | | | |
| | 220-250 Ltrs | MA72HAEP / MA88HAEP | | | | | |
| | 110 Ltrs (2 Case) | MA53HAEF | | | | | |
| Visi Cooler | 150 Ltrs (4 Case) | MA62HAEG | | | | | |
| | 250 Ltrs (7 Case) | MA72HAEP / MA88HAEP | | | | | |

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Applications:

| Evaporating Temperature Range | | | | | | | | | | |
|-------------------------------|---------------|--|--|--|--|--|--|--|--|--|
| LBP | -30°C to -5°C | | | | | | | | | |
| НВР | -5°C to +15°C | | | | | | | | | |

Oil types:

All the compressors are charged with moisture free oil.

| OIL Types | |
|-----------|-------------------|
| R 134a | Polyole Ester Oil |
| R 600a | Mineral Oil |

Safety :





Install the refrigerant, lubricant oil and electrical componeent (Capacitor and controller) specified by compressor manufacturer

It can cause fire or electrical shock



Connect the electrical wiring correctly in accordance with manufacturer's instruction. It can cause fire or electrical shock



Compressor must be grounded whenever power is supplied. It can cause electrical shock



Before servicing, always remove the power plug from the outlet. It can cause electrical shock



Before welding, always remove refrigerant in the compressor. Do not operate compressor in the air or vaccum status. It can cause explosion.



Do not touch the compressor with bare hands during operation or after stopping instantly. It can cause get burnt.

Safety Approval:



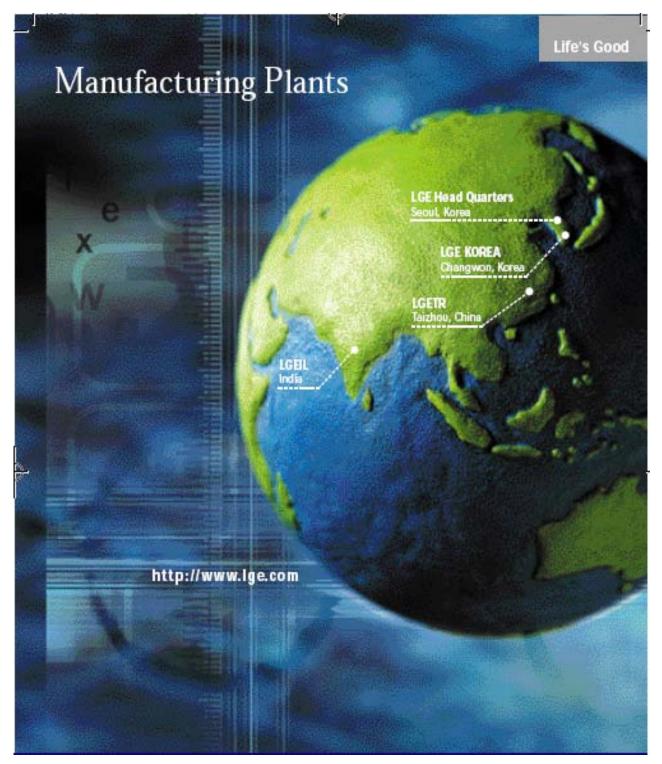
VDE approved model





TUV approved model





🖸 LGE Head Quarters, Korea

LG twin Tower, Yoido-Dong, Yongdungpo-Gu, Seoul, 150-721, Korea TEL: +82-2-3777-7830~8 FAX: +82-2-3777-5346

🚺 LGE Changwon Plant, Korea

391-2, Gaeumjung-dong, Changwon-city, Gyeongnam, 641-711, Korea TEL: +82-55-260-3574~5 FAX: +82-55-260-3504

🖸 LGETR, China

Xiang Lin Road 2, Taizhou Economic & Technological Development Zone, Jiangsu, China TEL: +86-523-666-9756, 9916 FAX: +86-523-666-4490

🖸 LGEIL, India

Plot No.51, Udyog Vihar Surajpur-Kasna Road Greater Noida(Uttar Pradesh), India TEL: +91-120-4560-900/ 940 ext.372 FAX: +91-120-2560-921/ 926

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