



Reciprocating & Linear Compressor

Compressor Technology
for Refrigerator



Why LG Compressor?



Technology

LG compressors are continuously evolving group of high-precision machining and assembly technologies from accumulated techniques for generating sustainable world best compressor. Especially we are enabling to give our customers technical support in order to provide best performance compressor through design mechanism and produce key technology of compressor, inverter motor and drive that makes you to achieve optimized product.

Model Variety

In order to offer you a various product portfolio of refrigerator compressor, our range covers constant and inverter of Reciprocating and Linear compressor with low pressure as well as high pressure. It enables to provide you with full support in all application of your needs.

Quality

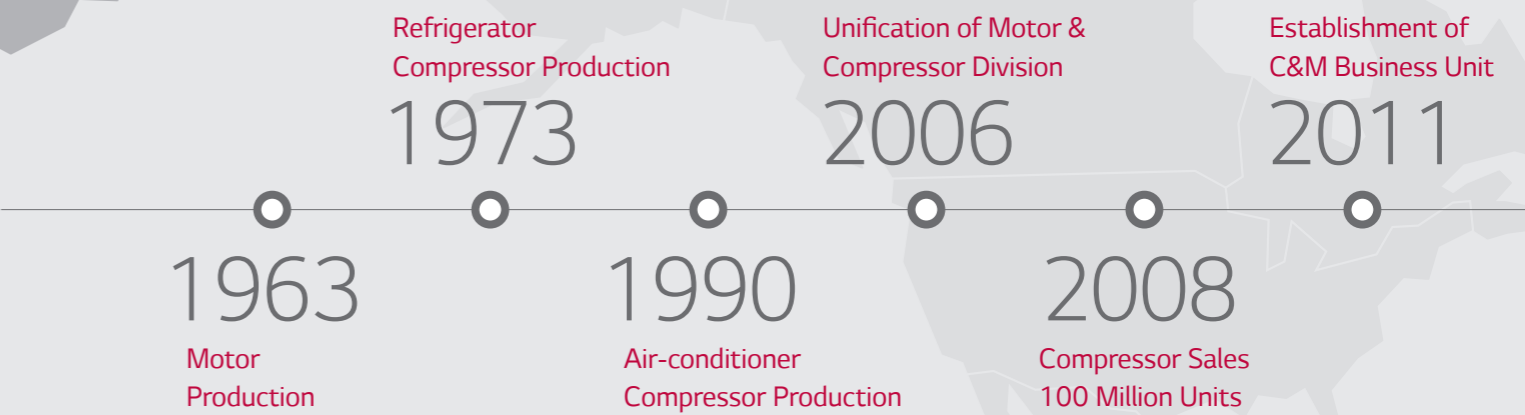
With the product quality and safety evaluation system that performs basic quality and safety evaluation for products at every production stage. Under the quality gate system, all our products undergo a safety check at each quality gate based on a checklist, preventing shipments of products with quality or safety issues. We also have achieved recognition our quality and sustainability from Europe, North America, China and Japan.

Customer Support

LG compressors promise to deliver a satisfaction level for all your business stage from research, development to the spec-in that exceeds our customers expectations, and strives to provide the highest value to our customers through a fast, accurate and differentiated service & solution as your business partner.

Brief History & Factory

Milestones & Production Sites



Contents

| | |
|-------------------------|----|
| Why LG Compressor? | 01 |
| Brief History & Factory | 02 |

| | |
|---|----|
| Reciprocating Compressor | 06 |
| - Product Range | 07 |
| - Nomenclature | 08 |
| - Specification Constant speed | 09 |
| - Specification Inverter | 22 |
| - Specification Controller | 24 |
| - Attached / Detached Controller | 25 |
| - Mounting | 25 |
| - Packing & Container Stuffing Quantity | 25 |

| | |
|---|----|
| Linear Compressor | 26 |
| - Product Range | 27 |
| - Nomenclature | 27 |
| - Specification | 28 |
| - Wiring Diagram | 29 |
| - Accessory Part | 29 |
| - Packing & Container Stuffing Quantity | 29 |

Reciprocating Compressor

Product Range

Constant speed

| Refrigerant | Test Condition | Model | Capacity (w) | | | | |
|---------------------------|----------------|---------------------------|---------------------------------------|--------------------------|---------|-----|-----|
| | | | 0 | 100 | 200 | 300 | 400 |
| R134a (LBP) ¹⁾ | ASHRAE | TS Displacement [cc/rev] | 2.2 2.4 | | | | |
| | | NS Displacement [cc/rev] | 2.4 3.0 3.6 | | | | |
| | | CMA Displacement [cc/rev] | 4.2 5.3 6.2 6.9 7.5 | | | | |
| | | MA Displacement [cc/rev] | 4.2 5.3 5.7 6.9 7.2 8.8 9.8 | | | | |
| | | MC Displacement [cc/rev] | 5.3 5.7 | | | | |
| | | LQ Displacement [cc/rev] | 6.9 7.5 8.6 | | | | |
| | | LX Displacement [cc/rev] | 6.7 7.2 8.6 9.5 11.0 | | | | |
| | | R600a | ASHRAE | NS Displacement [cc/rev] | 3.6 4.3 | | |
| | | CSA Displacement [cc/rev] | 4.3 5.7 6.2 6.9 7.5 | | | | |
| | | CMA Displacement [cc/rev] | 5.7 6.2 6.9 7.5 8.2 8.9 9.8 11.0 12.1 | | | | |
| | | MB Displacement [cc/rev] | 6.2 8.2 9.8 | | | | |
| | | MQ Displacement [cc/rev] | 8.8 9.8 | | | | |
| | | LQ Displacement [cc/rev] | 11.9 | | | | |

| Refrigerant | Test Condition | Model | Capacity (w) | | | | | | |
|---------------------------|-----------------------------|---------------------------|---------------------|-----|-----|-----|-----|-----|-------|
| | | | 0 | 100 | 200 | 400 | 600 | 800 | 1,000 |
| R134a (HBP) ²⁾ | Te/Tc = 7.22/54.4°C, RT32°C | CMA Displacement [cc/rev] | 4.2 5.3 6.2 7.5 8.9 | | | | | | |
| | | MA Displacement [cc/rev] | 4.2 5.3 6.2 7.2 | | | | | | |
| | | LX Displacement [cc/rev] | 7.2 8.6 11.0 | | | | | | |

1) LBP : Low back pressure
2) HBP : High back pressure

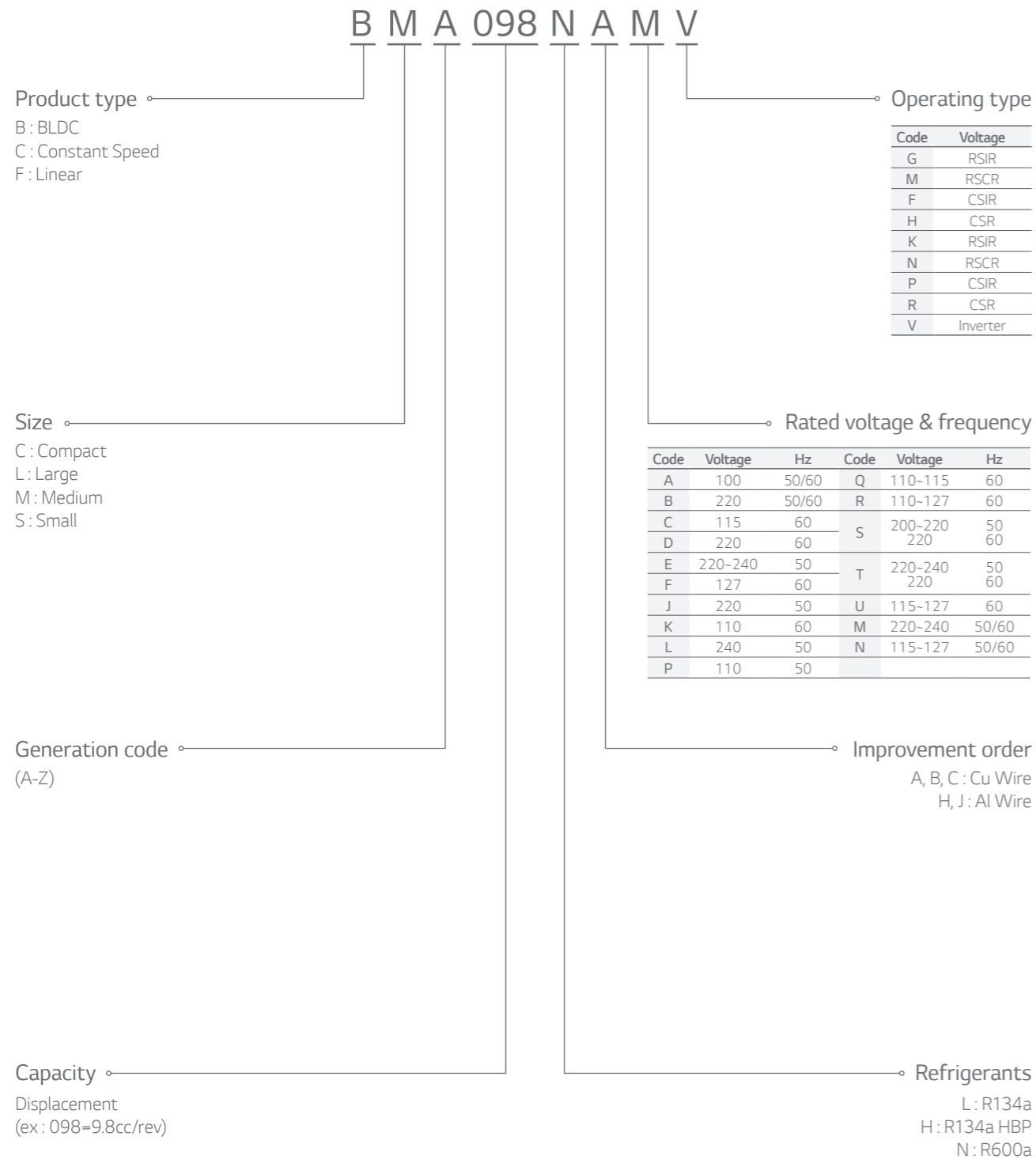
Inverter

| Refrigerant | Test Condition | Model | Capacity (w) | | | | |
|-------------|----------------|------------------------------|--------------|-----|-----|-----|-----|
| | | | 0 | 100 | 200 | 300 | 400 |
| R134a | ASHRAE | BMA Displacement [cc/rev] | 5.0 6.9 8.2 | | | | |
| | | BCA018 Displacement [cc/rev] | 25-50 | | | | |
| R600a | ASHRAE | BMA Displacement [cc/rev] | 9.8 12.1 | | | | |
| | | BMG Displacement [cc/rev] | 6.9 8.9 11.0 | | | | |
| | | BCA030 Displacement [cc/rev] | 30-65 | | | | |

| | | | | |
|--------|----------------|-------------------------|------------------------|---------------------|
| Note : | Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
| | ASHRAE | -23.3°C | 54.4°C | 32.2°C |



Nomenclature



Specification _ Constant speed (R134a)

Application : LBP

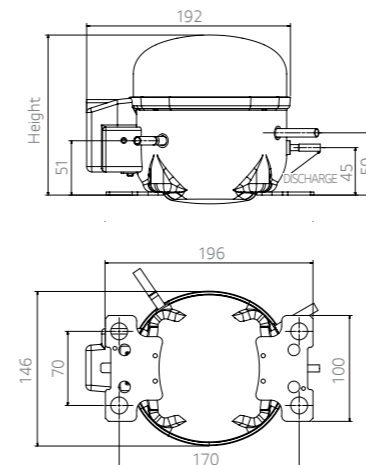
| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension |
|-------------|--------|----------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|
| | | | | | | Capacity | | | EER | COP | Height mm |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | |
| R134a | TS | TS22LHAG | 50 | 110 | RSIR | 36 | 143 | 42 | 1.83 | 0.54 | 136.5 |
| | | TS24LAAG | | | | 39 | 155 | 45 | 2.21 | 0.65 | 136.5 |
| | | TS24LHAG | | | | 39 | 155 | 45 | 2.21 | 0.65 | 151.0 |
| | | TS24LHJG | | | | 38 | 151 | 44 | 1.99 | 0.58 | 151.0 |
| | | TS24LJJG | | | | 38 | 151 | 44 | 1.99 | 0.58 | 151.0 |
| | | TS22LHEG | | 36 | 141 | 41 | 2.20 | 0.64 | 151.0 | | |
| | | TS24LATG | | 38 | 151 | 44 | 2.10 | 0.62 | 136.5 | | |
| | | TS24LHTG | | 40 | 159 | 47 | 2.10 | 0.62 | 151.0 | | |
| | | TS24LAAG | | 48 | 191 | 56 | 2.61 | 0.76 | 136.5 | | |
| | | TS22LHAG | | 45 | 177 | 52 | 2.36 | 0.69 | 136.5 | | |
| | | TS24LHAG | 48 | 191 | 56 | 2.61 | 0.76 | 151.0 | | | |
| | | TS22LHCG | 45 | 177 | 52 | 2.29 | 0.67 | 136.5 | | | |
| | | TS24LACG | 48 | 191 | 56 | 2.44 | 0.71 | 136.5 | | | |
| | | TS24LHUG | 48 | 191 | 56 | 2.44 | 0.71 | 151.0 | | | |
| | | TS24LAFG | 48 | 191 | 56 | 2.38 | 0.70 | 136.5 | | | |
| | | TS22LHDG | 45 | 177 | 52 | 2.29 | 0.67 | 136.5 | | | |
| | | TS24LADG | 46 | 183 | 53 | 2.50 | 0.73 | 136.5 | | | |
| | | TS24LATG | 48 | 191 | 56 | 2.65 | 0.78 | 136.5 | | | |
| | | TS24LHDG | 50 | 197 | 58 | 2.65 | 0.78 | 151.0 | | | |
| | | TS24LHTG | 50 | 199 | 58 | 2.65 | 0.78 | 151.0 | | | |
| TS24LBDM | 48 | 191 | 56 | 2.45 | 0.72 | 136.5 | | | | | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

Note 2 :

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

TS



Unit : mm

Specification _ Constant speed (R134a)

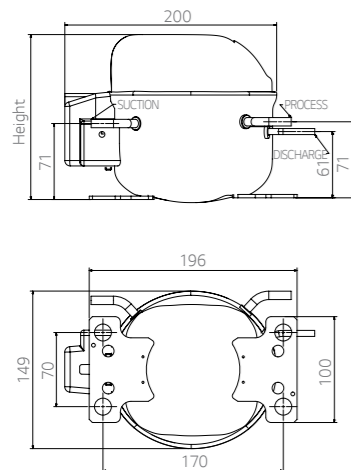
Application : LBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension |
|-------------|--------|-----------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|
| | | | | | | Capacity | | | EER | COP | Height mm |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | |
| R134a | NS | NS24LABG | 50 | 220 | RSIR | 38 | 151 | 44 | 2.60 | 0.76 | 147 |
| | | NS30LABG | | | | 50 | 199 | 58 | 2.51 | 0.74 | 157 |
| | | NS36LABG | | | | 64 | 254 | 74 | 2.65 | 0.78 | 157 |
| | | NS24LBEG | | | | 36 | 143 | 42 | 2.23 | 0.65 | 157 |
| | | NS24LAEG | 220-240 | RSIR | 38 | 151 | 44 | 1.99 | 0.58 | 147 | |
| | | NS30LAEG | | | 54 | 214 | 63 | 2.65 | 0.78 | 147 | |
| | | NS36LAEG | | | 66 | 262 | 77 | 2.94 | 0.86 | 157 | |
| | | NS24LBCM | | | 43 | 171 | 50 | 2.55 | 0.75 | 157 | |
| | | NS30LACM | 115 | RSCR | 65 | 258 | 76 | 2.99 | 0.88 | 147 | |
| | | NS24LBCG | | | 43 | 171 | 50 | 2.44 | 0.71 | 157 | |
| | | NS24LACG | | | 45 | 179 | 52 | 2.32 | 0.68 | 147 | |
| | | NSA24LACG | | | 50 | 199 | 58 | 2.48 | 0.73 | 147 | |
| | | NS30LACG | 60 | RSIR | 64 | 254 | 74 | 2.85 | 0.83 | 147 | |
| | | NSA30LACG | | | 70 | 278 | 81 | 3.02 | 0.88 | 147 | |
| | | NS36LACG | | | 76 | 302 | 88 | 3.05 | 0.89 | 157 | |
| | | NSA36LACG | | | 83 | 330 | 97 | 3.17 | 0.93 | 157 | |
| | | NS36LADM | 220 | RSCR | 79 | 314 | 92 | 3.30 | 0.97 | 157 | |
| | | NS24LADG | | | 43 | 171 | 50 | 2.25 | 0.66 | 147 | |
| | | NS24LABG | | | 43 | 171 | 50 | 2.37 | 0.69 | 147 | |
| | | NS30LABG | | | 61 | 242 | 71 | 2.75 | 0.81 | 157 | |
| NS36LADG | 220 | RSIR | 79 | 314 | 92 | 3.20 | 0.94 | 157 | | | |
| NS36LABG | | | 79 | 314 | 92 | 3.20 | 0.94 | 157 | | | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

NS



Unit : mm

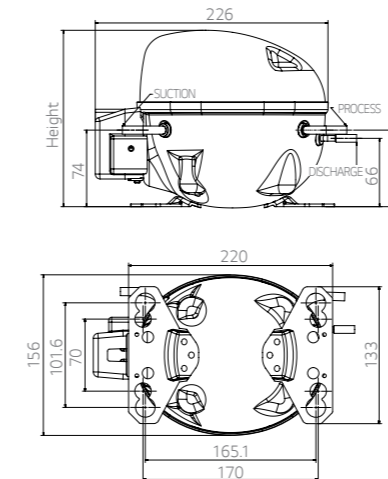
Application : LBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension |
|-------------|--------|------------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|
| | | | | | | Capacity | | | EER | COP | Height mm |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | |
| R134a | CMA | CMA042LHJG | 50 | 220 | RSIR | 91 | 361 | 106 | 3.60 | 1.05 | 171 |
| | | CMA053LHEM | | | | 129 | 512 | 150 | 5.05 | 1.48 | 171 |
| | | CMA057LHEM | | | | 138 | 548 | 160 | 4.98 | 1.46 | 171 |
| | | CMA057LAEM | | | | 140 | 558 | 163 | 5.50 | 1.61 | 171 |
| | | CMA062LHEM | 220-240 | RSCR | 153 | 607 | 178 | 5.19 | 1.52 | 171 | |
| | | CMA069LAEM | | | 165 | 655 | 192 | 5.50 | 1.61 | 171 | |
| | | CMA069LBEM | | | 168 | 667 | 195 | 5.75 | 1.68 | 171 | |
| | | CMA069LHEM | | | 168 | 667 | 195 | 5.20 | 1.52 | 171 | |
| | | CMA053LHEG | 115 | RSIR | 129 | 512 | 150 | 4.83 | 1.41 | 171 | |
| | | CMA057LHEG | | | 140 | 556 | 163 | 4.83 | 1.41 | 171 | |
| | | CMA062LHEG | | | 153 | 607 | 178 | 4.98 | 1.46 | 171 | |
| | | CMA042LHCM | | | 111 | 441 | 129 | 5.00 | 1.46 | 171 | |
| | | CMA053LHCM | 60 | RSCR | 144 | 572 | 167 | 5.10 | 1.49 | 171 | |
| | | CMA042LHCG | | | 111 | 441 | 129 | 4.84 | 1.42 | 171 | |
| | | CMA053LHCG | | | 144 | 572 | 167 | 4.84 | 1.42 | 171 | |
| | | CMA042LHUM | | | 118 | 468 | 137 | 5.50 | 1.61 | 171 | |
| | | CMA042LHDM | 220 | RSCR | 109 | 433 | 127 | 4.90 | 1.44 | 171 | |
| | | CMA075LHDM | | | 200 | 794 | 233 | 4.50 | 1.32 | 171 | |
| | | CMA053LHDG | | | 141 | 560 | 164 | 4.60 | 1.35 | 171 | |
| | | CMA053LHDG | | | 141 | 560 | 164 | 4.60 | 1.35 | 171 | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

CMA



Unit : mm

Specification _ Constant speed (R134a)

Application : LBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension | | |
|-------------|--------|----------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|---------|--|
| | | | | | | Capacity | | | EER | COP | Height mm | Remarks | |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | | | |
| R134a | MA | MA42LMJM | 50 | 220 | RSCR | 92 | 365 | 107 | 4.00 | 1.17 | 172 | | |
| | | MA42LHJM | | | | 92 | 365 | 107 | 3.77 | 1.10 | 172 | | |
| | | MA45LJJM | | | | 102 | 405 | 119 | 4.31 | 1.26 | 172 | | |
| | | MA45LHJM | | | | 102 | 405 | 119 | 4.31 | 1.26 | 172 | | |
| | | MA53LAJM | | | | 125 | 496 | 145 | 4.21 | 1.23 | 172 | | |
| | | MA57LDJM | | | | 145 | 576 | 169 | 4.61 | 1.35 | 177 | | |
| | | MA62LDJM | | | | 150 | 596 | 174 | 4.88 | 1.43 | 177 | | |
| | | MA42LPJG | | | | 92 | 365 | 107 | 3.80 | 1.11 | 172 | | |
| | | MA42LMJG | | | | 92 | 365 | 107 | 3.80 | 1.11 | 172 | | |
| | | MA45LDJG | | | | 99 | 393 | 115 | 3.78 | 1.11 | 172 | | |
| | | MA45LCJG | | | | 99 | 393 | 115 | 3.78 | 1.11 | 172 | | |
| | | MA53LJG | | | | 125 | 496 | 145 | 4.21 | 1.23 | 172 | | |
| | | MA53LBJG | | | 125 | 496 | 145 | 4.10 | 1.23 | 172 | | | |
| | | MA57LBJG | | | 138 | 548 | 160 | 4.21 | 1.23 | 177 | | | |
| | | MA57LJG | | | 138 | 548 | 160 | 4.21 | 1.23 | 177 | | | |
| | | MA62LBJG | | | 150 | 596 | 174 | 4.44 | 1.30 | 177 | | | |
| | | MA62LJG | | | 150 | 596 | 174 | 4.44 | 1.30 | 177 | | | |
| | | MA72LBJG | | | 180 | 715 | 209 | 4.41 | 1.29 | 177 | | | |
| | | MA69LJEP | | | 169 | 671 | 197 | 4.41 | 1.29 | 177 | | | |
| | | MA69LHEP | | | 170 | 675 | 198 | 4.24 | 1.24 | 177 | | | |
| | | MA72LJEP | | | 180 | 715 | 209 | 4.41 | 1.29 | 177 | | | |
| | | MA88LAEP | | | 235 | 933 | 273 | 4.11 | 1.20 | 177 | | | |
| | | MA53LHEM | | | 140 | 556 | 163 | 5.34 | 1.57 | 172 | | | |
| | | MA69LKEM | | | 169 | 671 | 197 | 4.97 | 1.46 | 177 | | | |
| | | MA69LHEM | | | 169 | 671 | 197 | 4.61 | 1.35 | 177 | | | |
| | | MA69LAEM | | | 172 | 683 | 200 | 4.61 | 1.35 | 177 | | | |
| | | MA72LHEM | | | 180 | 715 | 209 | 4.61 | 1.35 | 177 | | | |
| | | MA72LKEM | | | 180 | 715 | 209 | 4.96 | 1.45 | 177 | | | |
| | | MA72LBEM | | | 180 | 715 | 209 | 4.61 | 1.35 | 177 | | | |
| | | MA53LATG | | | 124 | 492 | 144 | 4.00 | 1.17 | 172 | | | |
| | | MA62LBEG | | | 150 | 596 | 174 | 4.69 | 1.37 | 177 | | | |
| | | MA62LCEG | | | 150 | 596 | 174 | 4.69 | 1.37 | 177 | | | |
| | | MA69LJEG | | | 169 | 671 | 197 | 4.41 | 1.29 | 177 | | | |
| | | MA69LHEG | | | 169 | 671 | 197 | 4.41 | 1.29 | 177 | | | |
| | | MA72LJEG | | | 180 | 715 | 209 | 4.41 | 1.29 | 177 | | | |
| | | MA72LHEG | | | 180 | 715 | 209 | 4.41 | 1.29 | 177 | | | |
| | | | | 220-240 | RSCR | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | 220-240 | RSIR | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Application : LBP

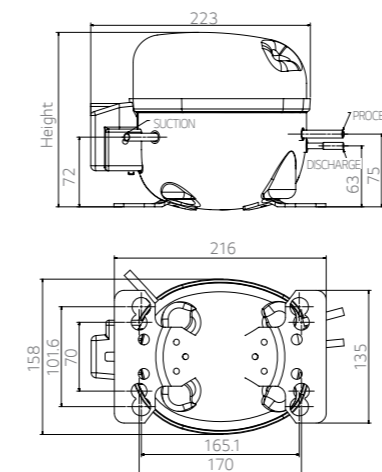
| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension | | Remarks |
|-------------|--------|-----------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|-------|---------|
| | | | | | | Capacity | | | EER | COP | Height mm | | |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | | | |
| R134a | MC | MA57LBJM | 50 | 220 | RSCR | 145 | 576 | 169 | 5.28 | 1.55 | 177 | | |
| | | MC53LBEM | | 139 | | 552 | 162 | 5.26 | 1.54 | 172 | | | |
| | | MC57LAEM | | 147 | | 584 | 171 | 5.50 | 1.61 | 177 | | | |
| | | MC57LBEM | | 147 | | 584 | 171 | 5.50 | 1.61 | 177 | | | |
| | | LQ100LAJH | | 220 | | CSR | 278 | 1,104 | 323 | 5.50 | 1.61 | 203 | |
| | LQ | LQ75LAEM | 50 | 220-240 | RSCR | LQ75LAEM | 142 | 564 | 165 | 5.80 | 1.70 | 203 | |
| | | LQ86LAEM | | | | 241 | 957 | 280 | 5.90 | 1.73 | 203 | | |
| | | LQ69LAUM | 60 | 115-127 | RSCR | LQ69LAUM | 241 | 957 | 280 | 6.24 | 1.83 | 203 | E-PTC |
| | | LQ69LAUH | | | | 241 | 957 | 280 | 6.24 | 1.83 | 203 | E-PTC | |
| | | LQ75LAUM | | | | 268 | 1,064 | 312 | 6.10 | 1.79 | 203 | E-PTC | |
| | | LQ69LADM | | | | 241 | 957 | 280 | 6.15 | 1.80 | 203 | | |
| | | LQ86LADM | 220 | RSCR | 305 | 1,211 | 355 | 6.00 | 1.76 | 203 | | | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

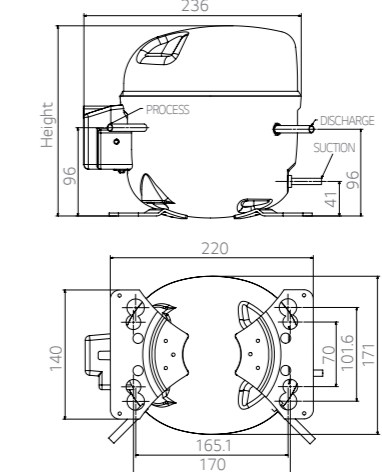
Note 2 :

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

MA / MC



LQ



Unit : mm

Specification _ Constant speed (R134a)

Application : LBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension |
|-------------|--------|----------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|
| | | | | | | Capacity | | | EER | COP | Height mm |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | |
| R134a | LX | LX72LAAM | 50 | 110 | RSCR | 170 | 675 | 198 | 4.30 | 1.26 | 200 |
| | | CSR | | | 230 | 913 | 267 | 4.50 | 1.32 | 203 | |
| | | CSR | | | 270 | 1,072 | 314 | 4.20 | 1.23 | 203 | |
| | | RSIR | | | 270 | 1,072 | 314 | 4.30 | 1.26 | 200 | |
| | | RSCR | | | 155 | 615 | 180 | 4.81 | 1.41 | 200 | |
| | | | | | 155 | 615 | 180 | 4.02 | 1.18 | 203 | |
| | | | | | 172 | 683 | 200 | 4.24 | 1.24 | 203 | |
| | | | | | 194 | 770 | 226 | 4.84 | 1.42 | 203 | |
| | | | | | 270 | 1,072 | 314 | 4.54 | 1.33 | 203 | |
| | | | | | 278 | 1,104 | 323 | 4.76 | 1.39 | 203 | |
| | | | | 315 | 1,251 | 366 | 4.50 | 1.32 | 203 | | |
| | | | | CSR | 172 | 683 | 200 | 4.24 | 1.24 | 203 | |
| | | | | | 230 | 913 | 267 | 4.35 | 1.27 | 203 | |
| | | | | | 270 | 1,072 | 314 | 4.54 | 1.33 | 203 | |
| | | 270 | | | 1,072 | 314 | 4.47 | 1.31 | 203 | | |
| | | CSIR | | | 172 | 683 | 200 | 3.80 | 1.11 | 203 | |
| | | | | | 194 | 770 | 226 | 3.80 | 1.11 | 203 | |
| | | | | | 196 | 778 | 228 | 4.10 | 1.20 | 203 | |
| | | | | | RSIR | 170 | 675 | 198 | 4.24 | 1.24 | 200 |
| | | | | | | 170 | 675 | 198 | 4.38 | 1.28 | 200 |
| | | | 194 | | | 770 | 226 | 4.30 | 1.26 | 200 | |
| | | | 194 | 770 | | 226 | 4.23 | 1.24 | 203 | | |
| | | | 205 | 814 | | 238 | 4.60 | 1.35 | 203 | | |
| | | | RSCR | 172 | | 683 | 200 | 4.50 | 1.32 | 200 | |
| | | | | 194 | | 770 | 226 | 4.30 | 1.26 | 203 | |
| | | 270 | | 1,072 | | 314 | 4.99 | 1.46 | 203 | | |
| | | CSR | | 170 | | 675 | 198 | 4.30 | 1.26 | 200 | |
| | | | | 270 | | 1,072 | 314 | 4.99 | 1.46 | 203 | |
| | | CSIR | | 170 | 675 | 198 | 4.24 | 1.24 | 200 | | |
| | | | | 194 | 770 | 226 | 4.30 | 1.26 | 200 | | |
| | | 60 | | 110 | RSCR | 213 | 846 | 248 | 4.70 | 1.38 | 200 |
| | | | | | CSR | 280 | 1,112 | 326 | 4.90 | 1.44 | 203 |
| | | | | | CSR | 300 | 1,191 | 349 | 4.67 | 1.37 | 203 |
| | | | 115 | | RSCR | 245 | 973 | 285 | 4.91 | 1.44 | 203 |
| | | | | | RSCR | 195 | 774 | 227 | 5.06 | 1.48 | 200 |
| | | | 127 | | CSR | 280 | 1,112 | 326 | 4.79 | 1.40 | 203 |
| | | | | | RSIR | 213 | 846 | 248 | 4.67 | 1.37 | 200 |
| | | | 220 | | RSCR | 195 | 774 | 227 | 5.09 | 1.49 | 200 |
| | | | | | | 195 | 774 | 227 | 4.81 | 1.41 | 203 |
| | | | | | | 250 | 993 | 291 | 5.14 | 1.51 | 203 |
| 250 | 993 | 291 | | 5.14 | | 1.51 | 203 | | | | |

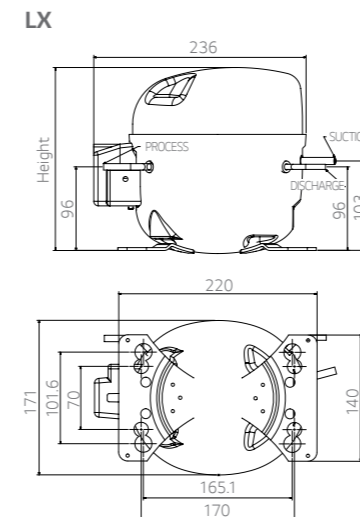
Application : LBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension | |
|-------------|--------|----------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|-----|
| | | | | | | Capacity | | | EER | COP | Height mm | |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | | |
| R134a | LX | LX72LATH | 60 | 220 | CSR | 213 | 846 | 248 | 4.83 | 1.41 | 200 | |
| | | LX95LADH | | | | 280 | 1,112 | 326 | 4.96 | 1.45 | 203 | |
| | | LX95LABH | | | | 280 | 1,112 | 326 | 4.96 | 1.45 | 203 | |
| | | LX72LATF | | | | 213 | 846 | 248 | 4.67 | 1.37 | 200 | |
| | | LX86LPBP | | | | 247 | 981 | 287 | 4.50 | 1.32 | 203 | |
| | | LX86LPDP | | | | 250 | 993 | 291 | 4.55 | 1.33 | 200 | |
| | | RSIR | | | LX110LPDP | 300 | 1,191 | 349 | 4.11 | 1.20 | 203 | |
| | | | | | LX67LAQG | 187 | 742 | 217 | 4.19 | 1.23 | 200 | |
| | | | | | LX72LBQG | 213 | 846 | 248 | 4.27 | 1.25 | 200 | |
| | | | | | RSCR | LX86LAQM | 245 | 973 | 285 | 4.91 | 1.44 | 203 |
| | | | | | | LX95LBQH | 280 | 1,112 | 326 | 4.63 | 1.36 | 203 |
| | | | | | | LX95LAQH | 285 | 1,131 | 331 | 4.92 | 1.44 | 203 |
| | | LX72LHQF | | | | 213 | 846 | 248 | 3.91 | 1.15 | 203 | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

Note 2 :

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |



Unit : mm

Specification _ Constant speed (R600a)

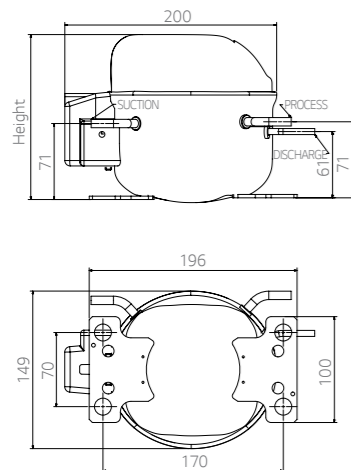
Application : LBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension |
|-------------|--------|------------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|
| | | | | | | Capacity | | | EER | COP | Height mm |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | |
| R600a | NS | NS36NAAG | 50 | 110 | RSIR | 43 | 171 | 50 | 2.22 | 0.65 | 157 |
| | | NS36NAAG | | 110 | RSIR | 52 | 205 | 60 | 3.01 | 0.88 | 157 |
| | | NSA43NACG | 60 | 115 | RSIR | 73 | 290 | 85 | 4.27 | 1.25 | 157 |
| | | NSA43NACM | | 115 | RSCR | 73 | 290 | 85 | 4.47 | 1.31 | 157 |
| | CSA | CSA043NHAG | 50 | 110 | RSIR | 58 | 229 | 67 | 3.62 | 1.06 | 167 |
| | | CSA062NHAG | | | | 89 | 352 | 103 | 4.47 | 1.31 | 167 |
| | | CSA069NHAG | | | | 99 | 393 | 115 | 4.64 | 1.36 | 167 |
| | | CSA043NHEG | | | | 55 | 219 | 64 | 4.54 | 1.33 | 167 |
| | | CSA047NHEG | 65 | 256 | 75 | 4.64 | 1.36 | 167 | | | |
| | | CSA053NHEG | 72 | 287 | 84 | 4.88 | 1.43 | 167 | | | |
| | | CSA057NHEG | 84 | 335 | 98 | 4.78 | 1.40 | 167 | | | |
| | | CSA057NJEG | 86 | 341 | 100 | 4.34 | 1.27 | 157 | | | |
| | | CSA062NHEG | 89 | 355 | 104 | 4.85 | 1.42 | 167 | | | |
| | | CSA069NHEG | 101 | 403 | 118 | 5.09 | 1.49 | 167 | | | |
| | | CSA075NJEG | 114 | 451 | 132 | 4.34 | 1.27 | 157 | | | |
| | | CSA075NHEG | 115 | 458 | 134 | 5.02 | 1.47 | 167 | | | |
| | | CSA075NHEM | 115 | 458 | 134 | 5.26 | 1.54 | 167 | | | |
| | | CSA043NHAG | 60 | 110 | RSIR | 66 | 263 | 77 | 4.20 | 1.23 | 167 |
| | | CSA062NHAG | | | | 108 | 430 | 126 | 5.05 | 1.48 | 167 |
| | | CSA069NHAG | | | | 117 | 464 | 136 | 5.05 | 1.48 | 167 |
| | | CSA057NHCG | | | | 97 | 386 | 113 | 4.95 | 1.45 | 167 |
| | | CSA069NHCG | 115 | 458 | 134 | 4.98 | 1.46 | 167 | | | |
| | | CSA075NHCG | 133 | 529 | 155 | 4.98 | 1.46 | 167 | | | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

NS / CSA



Unit : mm

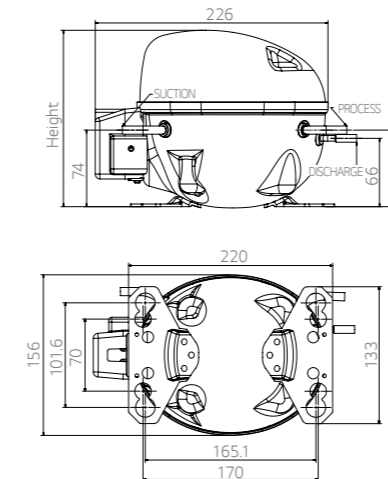
Application : LBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension | Remark |
|-------------|--------|------------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|--------|
| | | | | | | Capacity | | | EER | COP | Height mm | |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | | |
| R600a | CMA | CMA057NAAG | 50 | 110 | RSIR | 82 | 324 | 95 | 5.45 | 1.60 | 171 | |
| | | CMA069NHAM | | | RSCR | 104 | 415 | 122 | 5.53 | 1.62 | 171 | |
| | | CMA075NHAM | | | | 120 | 475 | 139 | 5.65 | 1.65 | 171 | |
| | | CMA082NJEG | | | | 127 | 505 | 148 | 5.63 | 1.65 | 171 | |
| | | CMA089NJEG | RSIR | 138 | 546 | 160 | 5.60 | 1.64 | 171 | | | |
| | | CMA098NJEG | | 155 | 615 | 180 | 5.46 | 1.60 | 171 | | | |
| | | CMA057NAEM | RSCR | 84 | 335 | 98 | 6.53 | 1.91 | 171 | | | |
| | | CMA057NAEM | | 84 | 335 | 98 | 6.73 | 1.97 | 171 | | | |
| | | CMA057NHEM | | 84 | 335 | 98 | 6.14 | 1.80 | 171 | | | |
| | | CMA057NHEM | | 84 | 335 | 98 | 6.32 | 1.85 | 171 | | | |
| | | CMA062NAEM | | 96 | 382 | 112 | 6.55 | 1.92 | 171 | | | |
| | | CMA062NAEM | | 96 | 382 | 112 | 6.73 | 1.97 | 171 | | | |
| | | CMA062NHEM | | 97 | 386 | 113 | 6.31 | 1.85 | 171 | | | |
| | | CMA062NHEM | | 97 | 386 | 113 | 6.49 | 1.90 | 171 | | | |
| | | CMA069NJEM | | 103 | 409 | 120 | 5.54 | 1.62 | 171 | | | |
| | | CMA069NAEM | | 103 | 410 | 120 | 6.56 | 1.92 | 171 | | | |
| | | CMA069NAEM | | 103 | 410 | 120 | 6.73 | 1.97 | 171 | | | |
| | | CMA069NHEM | | 103 | 410 | 120 | 6.30 | 1.85 | 171 | | | |
| | | CMA069NHEM | 103 | 410 | 120 | 6.49 | 1.90 | 171 | | | | |
| | | CMA075NAEM | 120 | 474 | 139 | 6.59 | 1.93 | 171 | | | | |
| | | CMA075NAEM | 120 | 474 | 139 | 6.73 | 1.97 | 171 | | | | |
| | | CMA075NHEM | 120 | 474 | 139 | 6.33 | 1.85 | 171 | | | | |
| | | CMA075NHEM | 120 | 474 | 139 | 6.45 | 1.89 | 171 | | | | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

CMA



Unit : mm

Specification _ Constant speed (R600a)

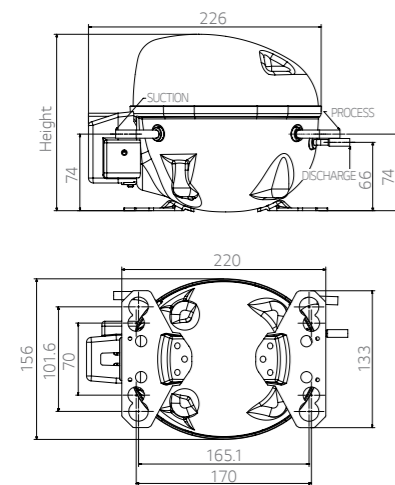
Application : LBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension | | Remark | | |
|-------------|--------|------------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|--------|--------|-------|--|
| | | | | | | Capacity | | | EER | COP | Height mm | Remark | | | |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | | | | | |
| R600a | CMA | CMA082NHEM | 50 | 220-240 | RSCR | 127 | 504 | 148 | 6.29 | 1.84 | 171 | | | | |
| | | CMA082NHEM | | | | 127 | 504 | 148 | 6.42 | 1.88 | 171 | E-PTC | | | |
| | | CMA082NAEM | | | | 129 | 514 | 150 | 6.59 | 1.93 | 171 | | | | |
| | | CMA082NAEM | | | | 129 | 514 | 150 | 6.73 | 1.97 | 171 | E-PTC | | | |
| | | CMA089NHEM | | | | 138 | 546 | 160 | 6.10 | 1.79 | 171 | | | | |
| | | CMA089NHEM | | | | 138 | 546 | 160 | 6.21 | 1.82 | 171 | E-PTC | | | |
| | | CMA089NAEM | | | | 139 | 553 | 162 | 6.61 | 1.94 | 171 | | | | |
| | | CMA089NAEM | | | | 139 | 553 | 162 | 6.73 | 1.97 | 171 | E-PTC | | | |
| | | CMA089NBEM | | | | 141 | 560 | 164 | 6.37 | 1.87 | 171 | | | | |
| | | CMA098NJEM | | | | 152 | 604 | 177 | 5.60 | 1.64 | 171 | | | | |
| | | CMA098NAEM | | | | 155 | 615 | 180 | 6.48 | 1.90 | 171 | | | | |
| | | CMA098NAEM | | | | 155 | 615 | 180 | 6.59 | 1.93 | 171 | E-PTC | | | |
| | | CMA098NHEM | | | | 156 | 618 | 181 | 6.22 | 1.82 | 171 | | | | |
| | | CMA098NHEM | | | | 156 | 618 | 181 | 6.32 | 1.85 | 171 | E-PTC | | | |
| | | CMA098NJEM | | | | 156 | 618 | 181 | 6.05 | 1.77 | 171 | | | | |
| | | CMA110NAEM | | | | 167 | 662 | 194 | 6.23 | 1.82 | 171 | | | | |
| | | CMA110NAEM | | | | 167 | 662 | 194 | 6.32 | 1.85 | 171 | E-PTC | | | |
| | | CMA110NAEM | | | | 176 | 700 | 205 | 6.17 | 1.81 | 171 | | | | |
| | | CMA110NAEM | | | | 176 | 700 | 205 | 6.17 | 1.81 | 171 | | | | |
| | | CMA121NAEM | | | | 194 | 768 | 225 | 6.15 | 1.80 | 171 | | | | |
| | | CMA121NAEM | | | | 194 | 768 | 225 | 6.15 | 1.80 | 171 | | | | |
| | | CMA057NAAG | | | | 60 | 110 | RSIR | 98 | 389 | 114 | 5.64 | 1.65 | 171 | |
| | | CMA069NHAM | | | | | | | 122 | 485 | 142 | 5.99 | 1.75 | 171 | |
| | | CMA075NHAM | | | | | | | 138 | 546 | 160 | 5.94 | 1.74 | 171 | |
| | | CMA098NARM | | | | 220 | RSCR | 183 | 727 | 213 | 6.07 | 1.78 | 171 | | |
| | | CMA089NHDM | | | | | | 166 | 659 | 193 | 6.08 | 1.78 | 171 | | |
| | | CMA089NHDM | | | | | | 166 | 659 | 193 | 6.18 | 1.81 | 171 | E-PTC | |
| | | CMA098NADM | | | | 220 | RSCR | 183 | 727 | 213 | 6.16 | 1.80 | 171 | | |
| | | CMA110NADM | | | | | | 201 | 798 | 234 | 6.11 | 1.79 | 171 | | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

CMA



Unit : mm

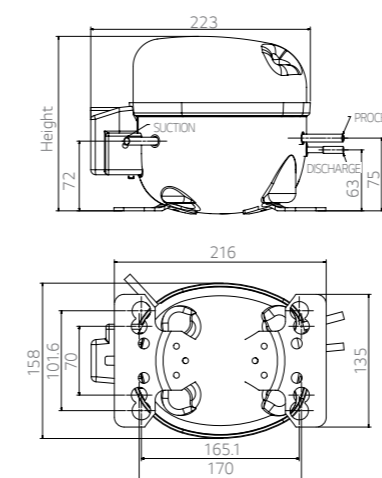
Application : LBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension | | Remark | |
|-------------|-----------|-----------|-----------------|--------------|---------------|----------|---------|-------|---------|------|--------------|--------|--------|------|
| | | | | | | Capacity | | | EER | COP | Height mm | Remark | | |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | | | | |
| R600a | MB | MB62NJEG | 50 | 220-240 | RSIR | 89 | 353 | 103 | 4.02 | 1.17 | 172 | | | |
| | | MB82NJEG | | | | 123 | 488 | 143 | 4.65 | 1.36 | 177 | | | |
| | | MB98NJEG | | | | 145 | 576 | 168 | 4.61 | 1.35 | 177 | | | |
| | | MB82NAEM | | | | 123 | 488 | 143 | 5.49 | 1.60 | 177 | | | |
| | | MB82NJEM | | | | 123 | 488 | 143 | 4.89 | 1.43 | 177 | | | |
| | | MQ88NAEM | | | | 141 | 560 | 164 | 6.29 | 1.84 | 180 | | | |
| | MQ | MQ98NAEM | 50 | 220-240 | RSCR | 150 | 596 | 174 | 6.30 | 1.85 | 180 | | | |
| | | MQ98NAJH | | | | 220 | CSR | 150 | 596 | 174 | 5.96 | 1.74 | 180 | |
| | | LQ119NAEM | | | | | | 50 | 220-240 | RSCR | 195 | 774 | 227 | 6.36 |
| | LQ119NAEM | 195 | 774 | 227 | 6.27 | 1.84 | 203 | | | | | | | |
| | LQ125NAEM | 202 | 802 | 235 | 6.15 | 1.80 | 203 | | | | | | | |
| | LQ140NAEM | 224 | 888 | 260 | 6.15 | 1.80 | 203 | | | | | | | |
| | LQ140NAEM | 228 | 905 | 265 | 6.40 | 1.87 | 203 | | | | E-PTC | | | |
| | LQ140NAEM | 228 | 905 | 265 | 6.28 | 1.84 | 203 | | | | | | | |
| | LQ | LQ140NAEH | 60 | 100-115 | CSR | 228 | 905 | 265 | 6.00 | 1.76 | 203 | | | |
| | | LQ119NAQM | | | | RSCR | 225 | 893 | 262 | 6.10 | 1.79 | 203 | | |

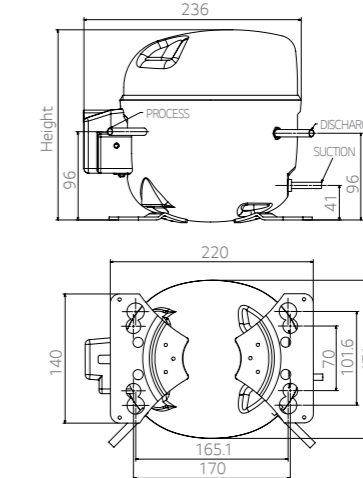
Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

MB / MQ



LQ



Unit : mm

Specification _ Constant speed (R134a)

Application : HBP

| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | Te/Tc = 7.22/54.4°C, RT32°C | | | | | Dimension Height mm |
|-------------|------------|------------|-----------------|--------------|---------------|-----------------------------|---------|-------|---------|------|---------------------------|
| | | | | | | Capacity | | | EER | COP | |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | |
| R134a | CMA | CMA062HAEM | 50 | 220-240 | RSCR | 520 | 2,064 | 605 | 9.60 | 2.81 | 171 |
| | | CMA075HAEM | | | | 635 | 2,521 | 738 | 9.10 | 2.67 | 171 |
| | | CMA042HHDM | 60 | 220 | RSCR | 405 | 1,608 | 471 | 8.70 | 2.55 | 161 |
| | | CMA053HHDM | | | | 514 | 2,041 | 598 | 8.90 | 2.61 | 161 |
| | | CMA062HHDM | | | | 615 | 2,442 | 715 | 8.80 | 2.58 | 171 |
| | | CMA075HADM | | | | 740 | 2,938 | 860 | 8.80 | 2.58 | 171 |
| | CMA089HADM | 855 | 3,394 | 994 | 8.30 | 2.43 | 171 | | | | |
| | LX | LX72HAEP | 50 | 220-240 | CSIR | 600 | 2,382 | 698 | 7.56 | 2.21 | 203 |
| | | LX86HAEP | | | | 710 | 2,819 | 826 | 7.32 | 2.14 | 203 |
| | | LX110HAEP | | | | 910 | 3,613 | 1058 | 7.18 | 2.10 | 203 |
| | | LX72HAEG | | | RSIR | 630 | 2,501 | 733 | 7.70 | 2.26 | 203 |
| | | LX86HAEG | | | | 745 | 2,958 | 866 | 7.68 | 2.25 | 203 |
| | | LX110HAEM | | | | RSCR | 950 | 3,772 | 1,105 | 7.50 | 2.20 |
| | | LX110HACF | 60 | 220 | CSIR | 1,040 | 4,129 | 1,209 | 6.68 | 1.96 | 203 |
| | | LX72HPDP | | | | 700 | 2,779 | 814 | 7.20 | 2.11 | 200 |
| | | LX86HPDP | | | | 840 | 3,335 | 977 | 7.25 | 2.12 | 200 |
| | | LX125HPJP | | | CSIR | 995 | 3,950 | 1,157 | 6.42 | 1.88 | 203 |
| | | LX110HPDP | | | | 1,000 | 3,970 | 1,163 | 6.30 | 1.85 | 200 |
| LX125HPDP | | 1,200 | | | | 4,764 | 1,395 | 6.27 | 1.84 | 203 | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

Application : HBP

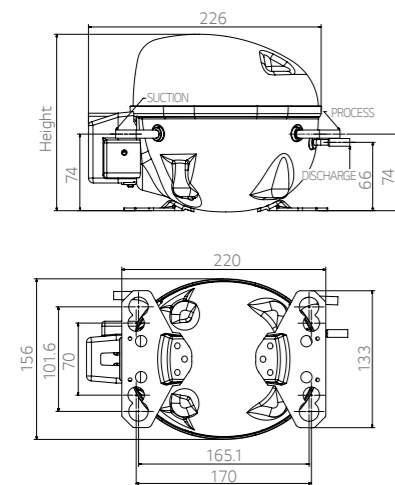
| Refrigerant | Series | Model | Frequency Hz | Voltage V | Motor Type | ASHRAE | | | | | Dimension Height mm |
|-------------|--------|----------|-----------------|--------------|---------------|----------|---------|-------|---------|------|---------------------------|
| | | | | | | Capacity | | | EER | COP | |
| | | | | | | Kcal/hr | Btu/Whr | Watts | Btu/Whr | W/W | |
| R134a | MA | MA42HJEP | 50 | 220-240 | CSIR | 355 | 1,409 | 413 | 7.83 | 2.29 | 172 |
| | | MA53HAEF | | | | 440 | 1,747 | 512 | 7.50 | 2.20 | 172 |
| | | MA53HJEF | | | | 440 | 1,747 | 512 | 7.50 | 2.20 | 172 |
| | | MA62HAEF | | | | 520 | 2,064 | 605 | 7.51 | 2.20 | 177 |
| | | MA72HAEP | | | | 630 | 2,501 | 733 | 7.05 | 2.06 | 177 |
| | | RSIR | | | | 520 | 2,064 | 605 | 7.51 | 2.20 | 177 |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

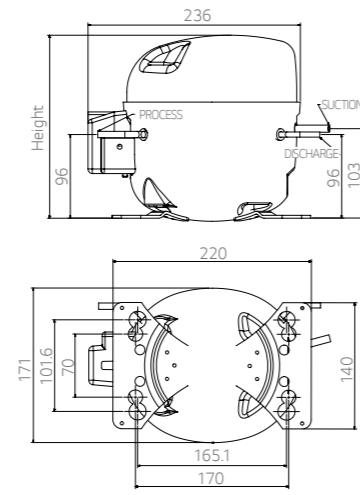
Note 2 :

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | 7.2°C | 54.4°C | 35°C |

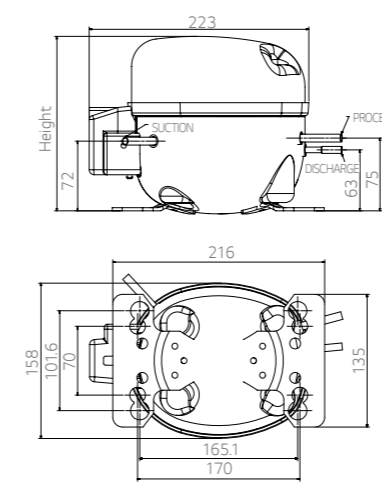
CMA



LX



MA



Unit : mm

Unit : mm

Specification _ Inverter (R134a, R600a)

Application : LBP

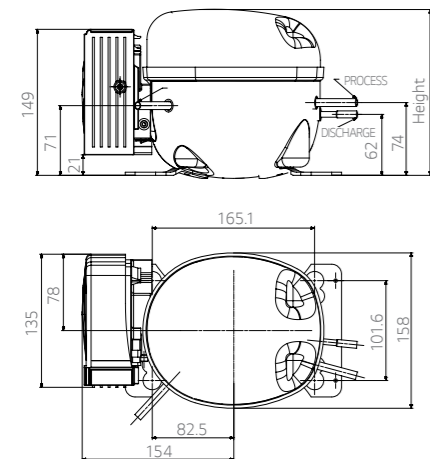
| Refrigerant | Series | Model | Speed range | Speed | Operating condition | | | | | | Dimension | | | | |
|-------------|--------|------------|-------------|---------|------------------------------|--------|-------|---------------------------------|-------|-----|-----------|--------|-----|---|-----|
| | | | | | Te/Tc = -23.3/54.4°C, RT32°C | | | Te/Tc = -23.3/40.6°C, RT 32.2°C | | | | Height | | | |
| | | | | | Capacity | EER | COP | Capacity | EER | COP | | | mm | | |
| rpm | rpm | Btu/hr | Watts | Btu/Whr | W/W | Btu/hr | Watts | Btu/Whr | W/W | | | | | | |
| R134a | BMA | BMA050LAMV | 1,200-4,500 | 4,500 | 760 | 223 | - | - | 826 | 242 | - | - | 172 | | |
| | | | | 3,000 | 507 | 148 | 5.99 | 1.76 | 551 | 161 | 7.50 | 2.20 | | | |
| | | | | 1,800 | 323 | 95 | 6.33 | 1.86 | 351 | 103 | 7.93 | 2.32 | | | |
| | | | | 1,500 | 264 | 77 | 6.34 | 1.86 | 287 | 84 | 7.94 | 2.33 | | | |
| | | | | 4,500 | 1,049 | 307 | - | - | 1,140 | 334 | - | - | | - | 172 |
| | | | | 3,000 | 699 | 205 | 5.99 | 1.76 | 760 | 223 | 7.50 | 2.20 | | | |
| | 1,800 | 446 | 131 | 6.33 | 1.86 | 485 | 142 | 7.93 | 2.32 | | | | | | |
| | 1,500 | 364 | 107 | 6.34 | 1.86 | 396 | 116 | 7.94 | 2.33 | | | | | | |
| | 4,500 | 1,049 | 307 | - | - | 1,140 | 334 | - | - | - | 172 | | | | |
| | 3,000 | 699 | 205 | 5.66 | 1.66 | 760 | 223 | 7.17 | 2.10 | | | | | | |
| | 1,800 | 446 | 131 | 6.00 | 1.76 | 485 | 142 | 7.60 | 2.23 | | | | | | |
| | 1,500 | 364 | 107 | 6.05 | 1.77 | 396 | 116 | 7.65 | 2.24 | | | | | | |
| | 4,500 | 1,250 | 366 | - | - | 1,359 | 398 | - | - | - | | 180 | | | |
| | 3,000 | 833 | 244 | 5.99 | 1.76 | 906 | 265 | 7.50 | 2.20 | | | | | | |
| | 1,800 | 540 | 158 | 6.33 | 1.86 | 587 | 172 | 7.93 | 2.32 | | | | | | |
| | 1,500 | 452 | 132 | 6.40 | 1.88 | 492 | 144 | 8.00 | 2.34 | | | | | | |
| | 4,500 | 1,250 | 366 | - | - | 1,359 | 398 | - | - | - | 180 | | | | |
| | 3,000 | 833 | 244 | 6.04 | 1.77 | 906 | 265 | 7.55 | 2.21 | | | | | | |
| | 1,800 | 540 | 158 | 6.38 | 1.87 | 587 | 172 | 7.98 | 2.34 | | | | | | |
| | 1,500 | 452 | 132 | 6.50 | 1.90 | 492 | 144 | 8.10 | 2.37 | | | | | | |
| | 4,200 | 171 | 50 | 3.75 | 1.10 | - | - | - | - | - | | 97.7 | | | |
| | 3,600 | 143 | 42 | 4.24 | 1.25 | - | - | - | - | - | | | | | |
| | 2,400 | 85 | 25 | 4.26 | 1.25 | - | - | - | - | - | | | | | |
| | 4,200 | 171 | 50 | 3.75 | 1.10 | - | - | - | - | - | | | | | |
| 3,600 | 143 | 42 | 4.24 | 1.25 | - | - | - | - | - | | | | | | |
| 2,400 | 85 | 25 | 4.26 | 1.25 | - | - | - | - | - | | | | | | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

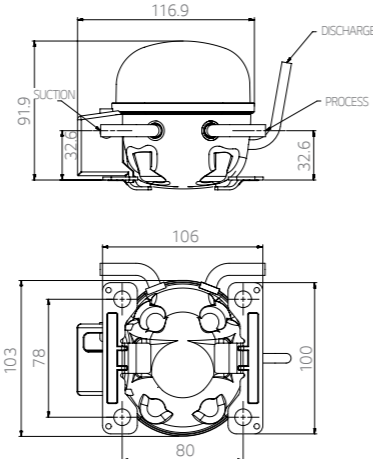
Note 2 :

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

BMA



BCA



Unit : mm

Application : LBP

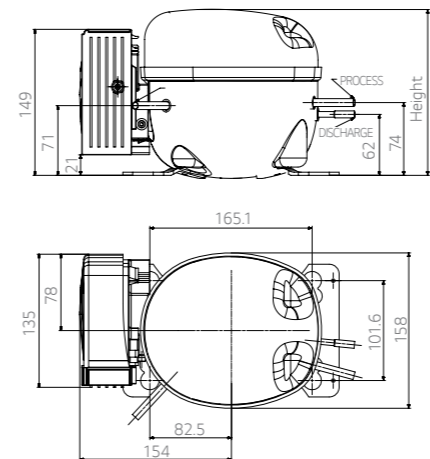
| Refrigerant | Series | Model | Speed range | Speed | Operating condition | | | | | | Dimension | | | | |
|-------------|--------|------------|-------------|---------|------------------------------|--------|-------|---------------------------|------|-----|-----------|--------|-----|---|-----|
| | | | | | Te/Tc = -23.3/54.4°C, RT32°C | | | Te/Tc = -29/31°C, RT 25°C | | | | Height | | | |
| | | | | | Capacity | EER | COP | Capacity | EER | COP | | | mm | | |
| rpm | rpm | Btu/hr | Watts | Btu/Whr | W/W | Btu/hr | Watts | Btu/Whr | W/W | | | | | | |
| R600a | BMA | BMA098NAMV | 1,200-4,500 | 4,500 | 915 | 268 | - | - | 801 | 234 | - | - | 172 | | |
| | | | | 3,000 | 627 | 184 | 6.76 | 1.98 | 548 | 161 | 7.77 | 2.28 | | | |
| | | | | 1,800 | 376 | 110 | 7.10 | 2.08 | 329 | 96 | 8.17 | 2.39 | | | |
| | | | | 1,500 | 318 | 93 | 6.80 | 1.99 | 278 | 81 | 7.82 | 2.29 | | | |
| | | | | 4,500 | 915 | 268 | - | - | 801 | 234 | - | - | | - | 172 |
| | | | | 3,000 | 627 | 184 | 6.46 | 1.89 | 548 | 161 | 7.43 | 2.18 | | | |
| | 1,800 | 376 | 110 | 6.80 | 1.99 | 329 | 96 | 7.82 | 2.29 | | | | | | |
| | 1,500 | 318 | 93 | 6.50 | 1.90 | 278 | 81 | 7.48 | 2.19 | | | | | | |
| | 4,500 | 1,115 | 327 | - | - | 976 | 286 | - | - | - | 172 | | | | |
| | 3,000 | 810 | 237 | 6.66 | 1.95 | 709 | 208 | 7.66 | 2.24 | | | | | | |
| | 1,800 | 486 | 142 | 7.00 | 2.05 | 425 | 125 | 8.05 | 2.36 | | | | | | |
| | 1,500 | 392 | 115 | 6.90 | 2.02 | 343 | 100 | 7.94 | 2.32 | | | | | | |
| | 4,500 | 566 | 166 | - | - | 497 | 146 | - | - | - | | 139 | | | |
| | 3,000 | 443 | 130 | 7.02 | 2.06 | 388 | 114 | 8.12 | 2.38 | | | | | | |
| | 1,800 | 265 | 78 | 7.35 | 2.15 | 233 | 68 | 8.50 | 2.49 | | | | | | |
| | 1,500 | 221 | 65 | 7.29 | 2.14 | 194 | 57 | 8.42 | 2.47 | | | | | | |
| | 4,500 | 566 | 166 | - | - | 497 | 146 | - | - | - | 139 | | | | |
| | 3,000 | 443 | 130 | 6.33 | 1.86 | 388 | 114 | 7.32 | 2.15 | | | | | | |
| | 1,800 | 265 | 78 | 6.62 | 1.94 | 233 | 68 | 7.66 | 2.24 | | | | | | |
| | 1,500 | 221 | 65 | 6.56 | 1.92 | 194 | 57 | 7.57 | 2.22 | | | | | | |
| | 4,500 | 731 | 214 | - | - | 642 | 188 | - | - | - | | 139 | | | |
| | 3,000 | 570 | 167 | 7.10 | 2.08 | 502 | 147 | 8.31 | 2.44 | | | | | | |
| | 1,800 | 341 | 100 | 7.43 | 2.18 | 300 | 88 | 8.70 | 2.55 | | | | | | |
| | 1,500 | 287 | 84 | 7.37 | 2.16 | 249 | 73 | 8.63 | 2.53 | | | | | | |
| | 4,500 | 731 | 214 | - | - | 641 | 188 | - | - | - | 139 | | | | |
| | 3,000 | 571 | 167 | 6.39 | 1.87 | 501 | 147 | 7.48 | 2.19 | | | | | | |
| | 1,800 | 343 | 100 | 6.71 | 1.96 | 300 | 88 | 7.80 | 2.30 | | | | | | |
| | 1,500 | 285 | 84 | 6.63 | 1.94 | 250 | 73 | 7.76 | 2.27 | | | | | | |
| | 4,500 | 884 | 259 | - | - | 775 | 227 | - | - | - | | 139 | | | |
| | 3,000 | 681 | 200 | 7.02 | 2.06 | 597 | 175 | 8.16 | 2.39 | | | | | | |
| | 1,800 | 420 | 123 | 7.27 | 2.13 | 369 | 108 | 8.45 | 2.48 | | | | | | |
| | 1,500 | 350 | 103 | 7.35 | 2.15 | 307 | 90 | 8.55 | 2.51 | | | | | | |
| | 4,500 | 884 | 259 | - | - | 775 | 227 | - | - | - | 139 | | | | |
| | 3,000 | 681 | 200 | 6.32 | 1.85 | 597 | 175 | 7.35 | 2.15 | | | | | | |
| | 1,800 | 420 | 123 | 6.54 | 1.92 | 369 | 108 | 7.60 | 2.23 | | | | | | |
| | 1,500 | 350 | 103 | 6.62 | 1.94 | 307 | 90 | 7.70 | 2.26 | | | | | | |
| | 4,200 | 210 | 61 | 4.84 | 1.41 | - | - | - | - | - | | 97.7 | | | |
| | 3,600 | 184 | 54 | 4.84 | 1.41 | - | - | - | - | - | | | | | |
| | 2,400 | 116 | 34 | 4.11 | 1.2 | - | - | - | - | - | | | | | |

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

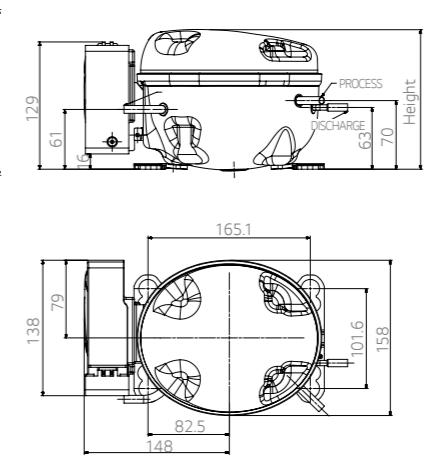
Note 2 :

| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |

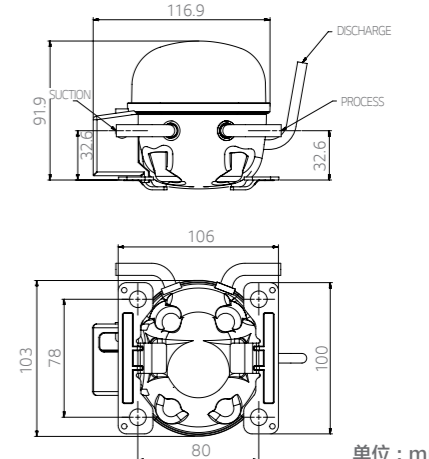
BMA



BMG



BCA



单位 : mm

Specification_Controller

Controller

| Contents | Detail |
|--------------------------------|----------------------------|
| Rated input power | 220~240 Vac |
| Maximum input current | 3.0A |
| Maximum input power | 260W |
| Operating compressor Hz | 20~75Hz |
| Compressor connection color | Black(U)/Blue(V)/Yellow(W) |
| Ambient operating temperature | -5~43°C |
| Storage temperature | -25~85°C |
| Max. storage relative humidity | 85% |

Noise Filter

| Contents | Detail |
|------------|----------|
| Inductance | 4A, 26mH |

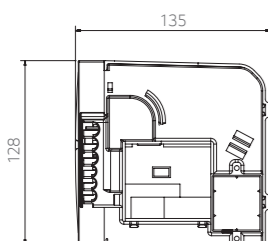
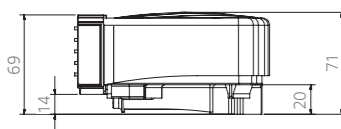
Reactor

| Contents | Detail |
|-----------------------|--------|
| Inductance | 0.8mH |
| Wire diameter | 0.8mm |
| Maximum input current | 5A |

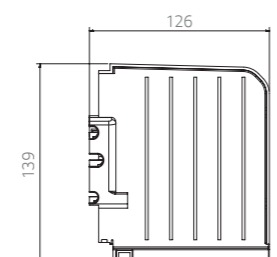
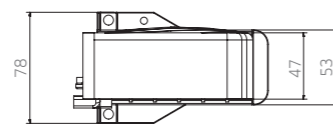
OLP

| Contents | Detail |
|----------|----------------------|
| Type | External type (3/4") |

Attached Controller

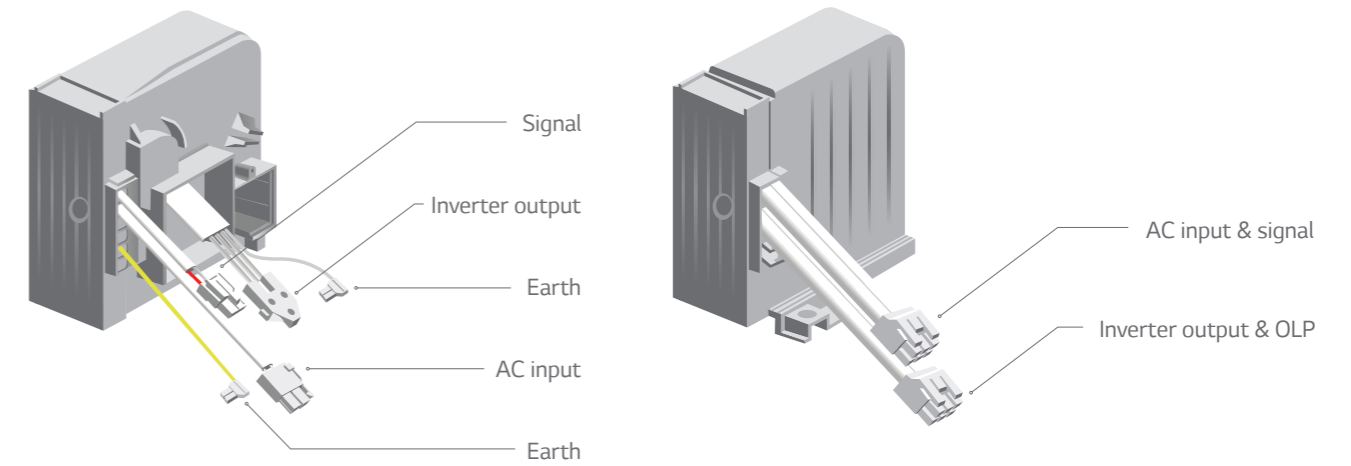


Detached Controller

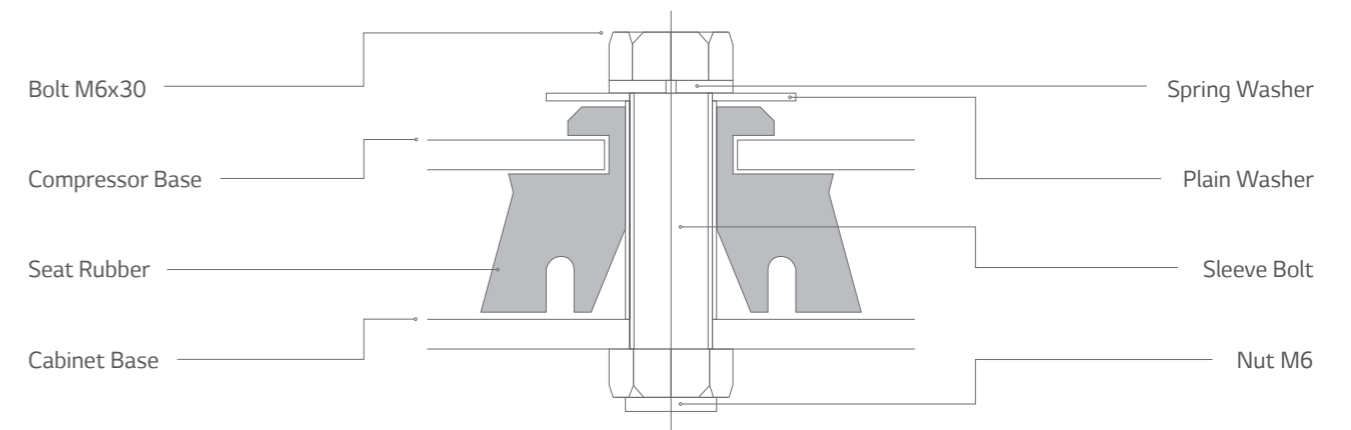


Unit : mm

Attached / Detached Controller



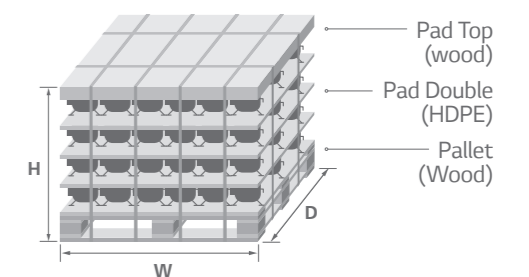
Mounting



Packing & Container Stuffing Quantity

| | Unit : mm | | | | | | | | |
|-----------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|-------|
| | TS | NS | CMA | M | L | BMG | BMA | BCA | |
| Dimension | W | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 |
| | D | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| | H (Max) | 1,030 | 1,010 | 1,087 | 900 | 1,020 | 916 | 916 | 940 |
| Q'ty (EA) | 150 (5*5*6) | 125 (5*5*5) | 90 (3*6*5) | 72 (3*6*4) | 60 (3*5*4) | 90 (3*6*5) | 72 (3*6*4) | 280 (7*5*8) | |

Stacking : 3 pallets max. compressor
Height : Based on wooden type



Linear Compressor

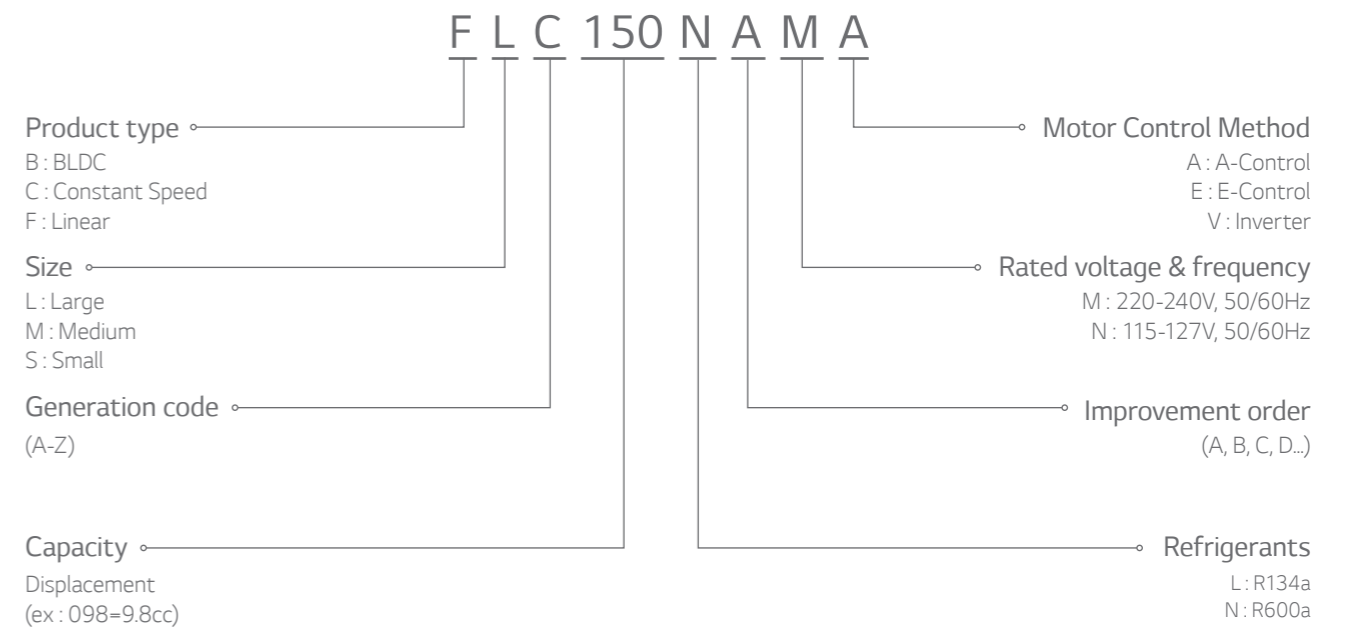


Product Range

| Refrigerant | Test Condition | Model | Capacity (w) | | | | |
|-------------|----------------|----------------------|-----------------|-----|-----|-----|-----|
| | | | 0 | 100 | 200 | 300 | 400 |
| R600a | ASHRAE | FL Displacement [cc] | 102 124 150 165 | | | | |
| | | FM Displacement [cc] | 88 102 | | | | |
| R134a | ASHRAE | FL Displacement [cc] | 7.5 9.0 | | | | |

| | | | | |
|---------------|-----------------------|--------------------------------|-------------------------------|----------------------------|
| Note : | Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
| | ASHRAE | -23.3°C | 54.4°C | 32.2°C |

Nomenclature



Specification (R600a, R134a)

Application : LBP

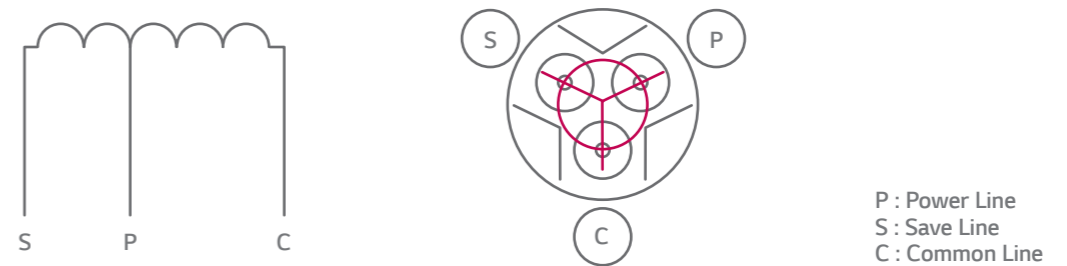
| Refrigerant | Model | Magnet | Rate Motor Type | | Performance Characteristic | | | | | | | | Noise [dBA] | |
|-------------|------------|---------|-----------------|-----------|----------------------------|-------------|-----------|----------|---------|---------|---------|---------|-------------|--|
| | | | Voltage | Frequency | ASHRAE | ISO | REF | | | | | | | |
| | | | | | Capa' [W] | EER | Capa' [W] | EER | | | | | | |
| | | | | | CCR ¹⁾ 100% | CCR 50-100% | CCR 100% | CCR 100% | CCR 90% | CCR 80% | CCR 70% | CCR 60% | | |
| R600a | FLA150NBMA | Nd | 220-240 | 50/60 | 330 | 8.7 | 280 | 7.2 | 8.1 | 8.1 | 8.1 | 8.1 | 37.5 | |
| | FLA102NAMA | Nd | 220-240 | 50/60 | 230 | 8.7 | 190 | 7.3 | 8.2 | 8.2 | 8.2 | 8.2 | 37.5 | |
| | FLB165NBMA | Nd | 220-240 | 50/60 | 350 | 9.1 | 240 | 8.1 | 8.2 | 8.2 | 8.1 | 8.0 | 38.0 | |
| | FLB124NAMA | Nd | 220-240 | 50/60 | 280 | 9.1 | 210 | 8.1 | 8.2 | 8.2 | 8.1 | 8.0 | 38.0 | |
| | FLC150NAMA | Ferrite | 220-240 | 50/60 | 330 | 8.7 | 280 | 7.9 | 8.1 | 8.1 | 8.1 | 8.0 | 38.0 | |
| | FLC124NAMA | Ferrite | 220-240 | 50/60 | 280 | 8.7 | 250 | 7.9 | 8.1 | 8.1 | 8.1 | 8.0 | 38.0 | |
| | FLC102NAMA | Ferrite | 220-240 | 50/60 | 230 | 8.7 | 210 | 7.9 | 8.1 | 8.1 | 8.1 | 8.0 | 38.0 | |
| | FLD165NAMA | Nd | 220-240 | 50/60 | 350 | 9.4 | 230 | 8.5 | 8.6 | 8.6 | 8.5 | 8.4 | 37.5 | |
| | FLE165NAMA | Ferrite | 220-240 | 50/60 | 350 | 9.1 | 240 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 37.5 | |
| R134a | FMA102NAMA | Nd | 220-240 | 50/60 | - | 9.2 | - | - | - | - | - | - | 37.0 | |
| | FMC088NAMA | Nd | 220-240 | 50/60 | - | 8.2 | - | - | - | - | - | - | 37.0 | |
| | FLA075LANA | Nd | 100-135 | 50/60 | 295 | 8.1 | 255 | 7.9 | 7.9 | 7.9 | 8.0 | 8.5 | 39.0 | |
| FLB075LANA | Nd | 100-135 | 50/60 | 330 | 8.4 | 275 | 8.1 | 8.1 | 8.1 | 8.2 | 8.2 | 39.0 | | |
| FLD090LANA | Nd | 100-135 | 50/60 | 370 | 8.7 | 315 | 8.4 | 8.4 | 8.5 | 8.5 | 8.4 | 39.0 | | |

1) CCR(Cooling Capacity Ratio) : % Modulation comparing to max. cooling capacity

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

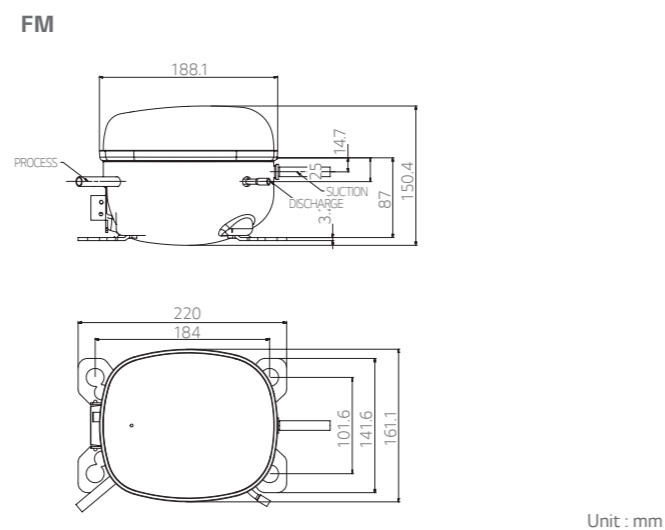
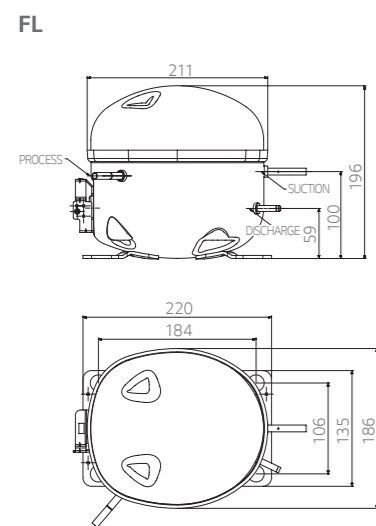
| Test condition | Evaporating temperature | Condensing temperature | Ambient temperature |
|----------------|-------------------------|------------------------|---------------------|
| ASHRAE | -23.3°C | 54.4°C | 32.2°C |
| ISO | 29°C | 31°C | |
| REF | 26°C | 38°C | |

Wiring Diagram



Accessory Part

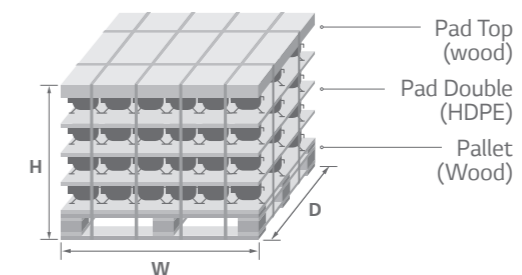
| NO | 1 | 2 | 3 |
|------------|-----------------|-----------------|-----------------|
| Parts | Protector | L/Shell | Cover PTC |
| FLC150NAMA | 3740CL0002A | AHU73451718 | 3550JA2110B |



Packing & Container Stuffing Quantity

Unit : mm

| Dimension | Linear | |
|-----------|---------------|-------|
| | W | D |
| | W | 1,120 |
| D | 900 | |
| H (Max) | 950 | |
| Q'ty (EA) | 60 (3*5*4) | |



Stacking : 3 pallets max. compressor
Height : Based on wooden type



Global Network

Changwon Plant, Korea

Address 76 Seongsan-dong, Changwon City
Gyeongnam, 641-713, South Korea
Phone +82-55-269-3868
Fax +82-55-268-4896
E-mail compressor@lge.com
Website <http://partner.lge.com/us/index.lge>

Taizhou Plant, China

Address Taizhou LG Electronics Refrigeration
Co.,LTD. 2, Xianglin Road, Hailing Zone
Taizhou, Jiangsu, P.R.C. China
Phone +86-523-8018-9484

Noida Plant, India

Address LG Electronics India P Ltd,
Compressor-Plot No 51, Udyog
Vihar, Surajpur- Kasna Road,
Greater Noida, Uttar Pradesh, India
Phone +91-120-256-0900

