

# Mbsm.pro, Compressor , Tecumseh, KULTHORN

Category: compressor

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Mbsm.pro, Compressor , Tecumseh

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## Mbsm.pro, compressor, NEK1118Z , GL90AA, r134a, 190w, Lbp

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Mbsm.pro, compressor, NEK1118Z , GL75AA , GL90AA, r134a, 190w, Lbp

Mbsm.pro, Compressor, copeland,  
CRC1-0175-PFU-501, 2 ton, 2.25 hp,  
r22, compatible, ESAH-18CH, 18000  
btu, 1920 w

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Mbsm.pro, Compressor, copeland, CRC1-0175-PFU-501, 2 ton, 2.25 hp, r22, compatible, ESAH-18CH, 18000 btu, 1920 w

Mbsm.pro, Compressor , 1/5 hp, zel, HVM12AA, 0F1033A, 0F1350A, gvy75AA, gvy66AA, GUY75AG, HKd16aa, GUY75ad, gvt66ad, gkd75ad

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Mbsm.pro, Compressor , 1/5 hp, zel, HVM12AA, 0F1033A, 0F1350A, gvy75AA, gvy66AA, GVY75AG, HKd16aa, GVY75ad, gvt66ad, gkd75ad

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Mbsm.pro, compressor, 1/6 hp, 134 w, HL99AH, HLY75AA, HLY99AA, HTY80AA2, HVY47AA, HYK95AA

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Mbsm.pro, compressor, 1/6 hp, 134 w, HL99AH, HLY75AA, HLY99AA, HTY80AA2, HVY47AA, HYK95AA

Mbsm.pro, ACC , Electrolux,  
Compressors, R404a, CML45FB3N,  
CML60FB3N, CML80FB3N, CML90FB3N,  
CMP12FB3N, CMP14FB3N, CMX18FB3N,  
CMR22FB3N, CMS26FB3N, CMS30FB3N,  
CML40TB3N, CML45TB3N, CML60TB3N,  
CML80TB3N, CML90TB3N, CMP12TB3N,  
CMP14TB3N, CMX16TB3N, CMX18TB3N,  
CMR22TB3N, CMS26TB3N, CGL40TB3NR,  
CGL45TB3NR, CGL60TB3NR, CGL90TB3NR,  
CGP10RB3N, CGP12TB3NR, CGP14TB3NR,

# CGX18TB3N, CGX21TB3N, CGS26TB3N, CGS30TB3N, CGS34TB3N

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| Model     | Compressor     |       |            |               |         | Amb. Temp      | R404a Capacity [watts] |                      |                      |                      |                      |                      |                      |                      | Suction liquid | Dimensions [mm] |     |     | Weight kg |
|-----------|----------------|-------|------------|---------------|---------|----------------|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|-----------------|-----|-----|-----------|
|           | Displ. cm3/rev | HP    | Motor Type | Input [Watts] | FLA [A] |                | Evaporating temp. [°C] |                      |                      |                      |                      |                      |                      |                      |                | L               | W   | H   |           |
|           |                |       |            |               |         |                | -25                    | -20                  | -15                  | -10                  | -5                   | 0                    | 5                    | 10                   |                |                 |     |     |           |
| CML40TB3N | 4.0            | 1/5   | CSIR       | 348           | 2.0     | 32<br>38<br>43 | 205<br>189<br>178      | 253<br>234<br>220    | 309<br>285<br>268    | 372<br>343<br>322    | 440<br>406<br>381    | 516<br>476<br>447    | 597<br>551<br>518    | 687<br>634<br>596    | 3/8" : 1/4"    | 425             | 325 | 235 | 14.6      |
| CML45TB3N | 4.5            | 1/4   | CSIR       | 385           | 2.2     | 32<br>38<br>43 | 221<br>204<br>192      | 277<br>256<br>240    | 338<br>312<br>293    | 405<br>373<br>351    | 477<br>440<br>413    | 555<br>512<br>481    | 640<br>590<br>555    | 724<br>668<br>628    | 3/8" : 1/4"    | 425             | 325 | 235 | 14.7      |
| CML60TB3N | 5.7            | 1/3   | CSIR       | 477           | 2.8     | 32<br>38<br>43 | 274<br>253<br>238      | 345<br>318<br>299    | 421<br>389<br>365    | 506<br>466<br>438    | 596<br>550<br>517    | 693<br>639<br>601    | 797<br>735<br>691    | 907<br>837<br>787    | 3/8" : 1/4"    | 425             | 330 | 245 | 22.7      |
| CML80TB3N | 7.6            | 3/8   | CSIR       | 570           | 3.3     | 32<br>38<br>43 | 420<br>388<br>364      | 493<br>455<br>428    | 584<br>539<br>506    | 692<br>638<br>600    | 818<br>754<br>709    | 961<br>886<br>833    | 1122<br>1035<br>972  | 1300<br>1199<br>1127 | 3/8" : 3/8"    | 450             | 355 | 270 | 23.5      |
| CML90TB3N | 8.9            | 1/2   | CSIR       | 700           | 4.0     | 32<br>38<br>43 | 434<br>400<br>376      | 545<br>503<br>472    | 665<br>614<br>577    | 798<br>736<br>692    | 940<br>867<br>815    | 1094<br>1009<br>948  | 1258<br>1160<br>1090 | 1433<br>1321<br>1242 | 3/8" : 3/8"    | 425             | 355 | 270 | 23.9      |
| CMP12TB3N | 12.0           | 1/2   | CSR        | 860           | 4.1     | 32<br>38<br>43 | 598<br>552<br>519      | 755<br>696<br>655    | 926<br>854<br>803    | 1113<br>1027<br>965  | 1317<br>1215<br>1142 | 1537<br>1417<br>1332 | 1772<br>1634<br>1536 | 2023<br>1866<br>1754 | 3/8" : 3/8"    | 480             | 425 | 350 | 29.8      |
| CMP14TB3N | 14.0           | 5/8   | CSR        | 1000          | 4.9     | 32<br>38<br>43 | 631<br>582<br>547      | 810<br>747<br>702    | 1002<br>924<br>869   | 1208<br>1114<br>1047 | 1429<br>1318<br>1239 | 1662<br>1533<br>1441 | 1911<br>1762<br>1657 | 2172<br>2004<br>1883 | 3/8" : 3/8"    | 500             | 425 | 350 | 29.9      |
| CMX16TB3N | 16.0           | 1     | CSR        | 1163          | 5.8     | 32<br>38<br>43 | 751<br>708<br>671      | 973<br>916<br>869    | 1198<br>1129<br>1070 | 1428<br>1345<br>1276 | 1661<br>1564<br>1483 | 1899<br>1788<br>1696 | 2140<br>2015<br>1911 | 2385<br>2246<br>2130 | 3/8" : 3/8"    | 495             | 430 | 350 | 30.0      |
| CMX18TB3N | 18.4           | 1 1/8 | CSR        | 1370          | 7.0     | 32<br>38<br>43 | 812<br>765<br>725      | 1024<br>965<br>915   | 1242<br>1169<br>1109 | 1466<br>1381<br>1310 | 1697<br>1598<br>1516 | 1933<br>1820<br>1726 | 2176<br>2049<br>1944 | 2425<br>2283<br>2165 | 3/8" : 3/8"    | 500             | 430 | 350 | 33.0      |
| CMR22TB3N | 21.2           | 1 1/4 | CSR        | 1228          | 6.3     | 32<br>38<br>43 | 885<br>816<br>767      | 1126<br>1038<br>976  | 1397<br>1288<br>1211 | 1698<br>1567<br>1473 | 2031<br>1873<br>1761 | 2396<br>2210<br>2077 | 2787<br>2571<br>2416 | 3213<br>2963<br>2785 | 1/2" : 3/8"    | 525             | 455 | 440 | 41.2      |
| CMS26TB3N | 25.9           | 1 1/2 | CSR        | 1772          | 9.0     | 32<br>38<br>43 | 1218<br>1124<br>1056   | 1553<br>1433<br>1347 | 1911<br>1762<br>1657 | 2289<br>2111<br>1984 | 2690<br>2481<br>2333 | 3113<br>2871<br>2699 | 3557<br>3280<br>3084 | 4023<br>3711<br>3488 | 1/2" : 3/8"    | 515             | 455 | 440 | 43.7      |

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CML45FB3N, CML60FB3N, CML80FB3N, CML90FB3N, CMP12FB3N, CMP14FB3N, CMX18FB3N, CMR22FB3N, CMS26FB3N, CMS30FB3N, CML40TB3N, CML45TB3N, CML60TB3N, CML80TB3N, CML90TB3N, CMP12TB3N, CMP14TB3N, CMX16TB3N, CMX18TB3N, CMR22TB3N, CMS26TB3N, CGL40TB3NR, CGL45TB3NR, CGL60TB3NR, CGL90TB3NR, CGP10RB3N, CGP12TB3NR, CGP14TB3NR, CGX18TB3N, CGX21TB3N, CGS26TB3N, CGS30TB3N, CGS34TB3N

Mbsm.pro, Compresoor, 1/8 hp, r12, 1ph/220v/50hz, AEZ1336A, B8A39, AE1027, TL4A, L45AU, PW4.5K9, AZ1335A, 8L300, FN43F67S, M4J, B8A10, A1075A, V792, V792E, AS8, E36601, LK39.0, TL4B, L45AW, AZ1340A, FNE75WS5, ESM4, PB9AF88, A1085A, E44101A, LK45.0, TL4A, AEZ1336A, BP1072A

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Mbsm.pro, Compresoor, 1/8 hp, r12, 1ph/220v/50hz, AEZ1336A, B8A39, AE1027, TL4A, L45AU, PW4.5K9, AZ1335A, 8L300, FN43F67S, M4J, B8A10, A1075A, V792, V792E, AS8, E36601, LK39.0, TL4B, L45AW, AZ1340A, FNE75WS5, ESM4, PB9AF88, A1085A, E44101A, LK45.0, TL4A, AEZ1336A, BP1072A

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## Mbsm.pro, Compressor, NJ9232GK, embraco, 1.1/4 hp, r404, Mhbp

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Mbsm.pro, Compressor, NJ9232GK, embraco, 1.1/4 hp, r404, Mhbp

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Mbsm.pro, Compressor, C-BZ120, 1/6  
hp, 120w, Mhbp, r12, C-BZ, C-BZN,  
KULTHORN compressor

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Mbsm.pro, Compressor, C-BZ120, 1/6 hp, 120w, Mhbp, r12, C-BZ, C-BZN, KULTHORN KULTHORN

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Mbsm.pro, Compressor , s36G, 1/10 hp, 1ph 220v/50hz, R134a, 32g, water-cooler, BLY-F/950

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| Information                    | Value       |
|--------------------------------|-------------|
| Model                          | BLY-F (905) |
| Rated Voltage                  | 220-240V~   |
| Rated Frequency                | 50/60Hz     |
| Heating Power                  | 450W        |
| Total Power                    | 550W        |
| Maximum Rated Wattage of Lamps | 0.5W        |
| Cooling Capacity               | 1.5L/h      |
| Cooling Consumption            | 0.100Kwh/H  |
| Rated Cooling Current          | 0.8A        |
| Refrigerant                    | R134a/32g   |
| Climate Class                  | T           |
| Protection Class               | I           |
| Foam                           | EPS         |
| Waterproof Degree              | IPX0        |
| Made in                        | China       |

## Water Dispenser / Mini Fridge Compressor (1/10HP)

|                               |                                                |
|-------------------------------|------------------------------------------------|
| Refrigeration Compressor Type | Reciprocating Compressor                       |
| Refrigerant                   | R134A                                          |
| Usage                         | Water Dispenser / Small Fridge / Minibar / etc |
| Warranty                      | N/A                                            |
| Voltage                       | 220-240V / 50Hz                                |
| Displacement                  | 3.6 cm <sup>3</sup>                            |
| Model No.                     | S36G / QD36                                    |
| Cooling Power (W)             | 80W                                            |
| Cooling Power (HP)            | 1/10 HP                                        |

Small refrigeration compressor mainly used in:

- Water Dispenser (cooling cabinet models)
- Small Refrigerator / Mini Bar / Ice Machines
- Other small refrigerating equipment

Cooling Power: 85W (1/10 HP)

Electricity required: 220-240V / 50Hz

## 1. Compressor (Model S36G)

- **Purpose:** The core component for pressurizing refrigerant in a cooling cycle.
  - **Model S36G:** Likely a specific compressor model (possibly from a brand like Secop, Danfoss, or a regional manufacturer). Verify with manufacturer documentation for exact specs.
  - **Application:** Small-scale systems (e.g., commercial water coolers, medical devices, or compact refrigeration) due to the small refrigerant charge.
- 

## 2. Refrigerant (R134a, 32g)

- **R134a:** A common hydrofluorocarbon (HFC) refrigerant used in medium-temperature systems (e.g., refrigerators, AC units, water coolers).
  - **32g Charge:** Indicates a small system, typical for portable or compact units. Ensure the charge matches manufacturer specifications to avoid inefficiency or damage.
- 

## 3. Water-Cooler System

- **Water-Cooled Condenser:** Uses water (instead of air) to dissipate heat, improving efficiency. Requires a water supply, pump, and possibly a cooling tower.
  - **Applications:** Often found in commercial settings (e.g., water dispensers, industrial chillers, or high-efficiency HVAC systems).
- 

## 4. BLY-F/950

- Likely a **component model**, such as:
    - **Filter drier:** Removes moisture/contaminants from refrigerant.
    - **Pressure switch:** Safety device to control system pressure.
    - **Control board/Valve:** Part of the system's electrical or flow regulation.
    - Check manufacturer manuals or suppliers for exact function.
- 

## Key Considerations

1. **Compatibility:** Ensure the compressor (S36G) is designed for R134a and water-cooled operation.
2. **Refrigerant Charge:** Confirm 32g is correct (undercharging/overcharging affects performance).
3. **Water Cooling:** Check for scale buildup, water flow rate, and pump functionality.
4. **BLY-F/950 Replacement:** Cross-reference with OEM parts or contact the system



manufacturer.

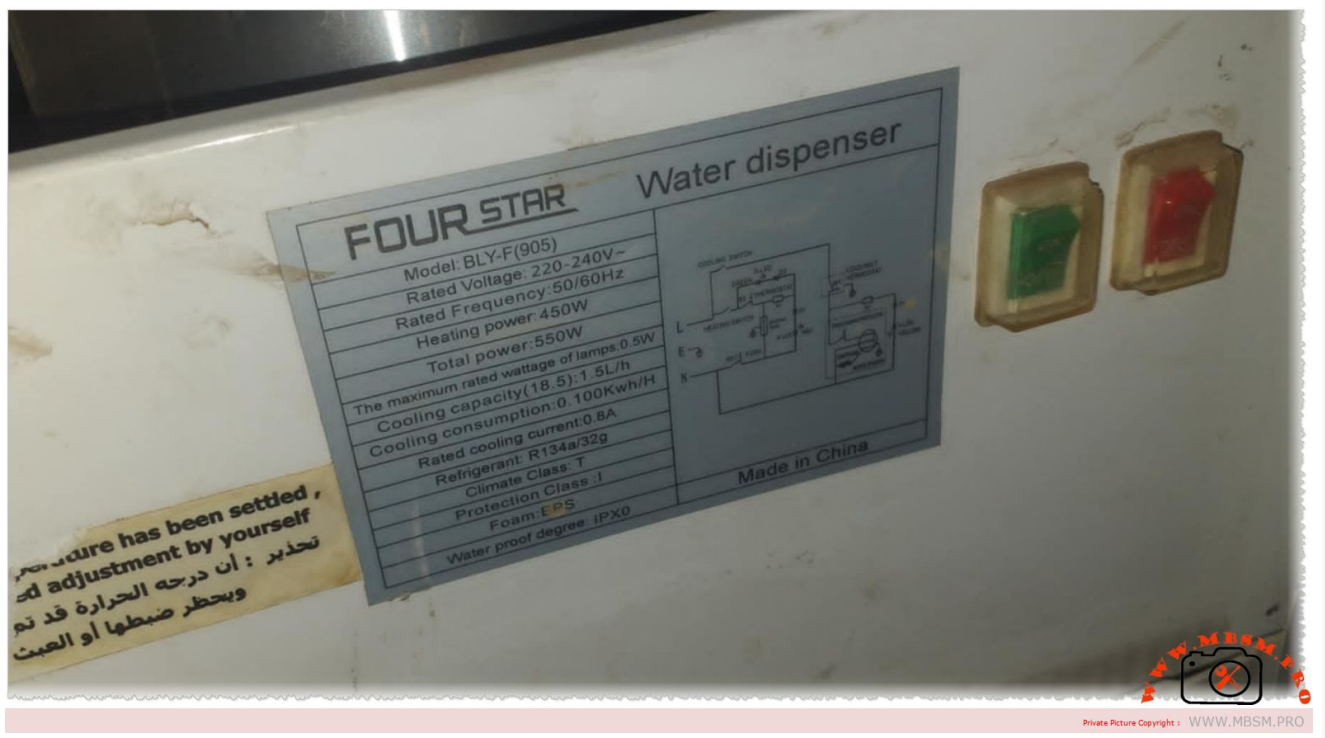
## Troubleshooting Tips

- **Low Cooling Efficiency:** Check refrigerant charge, water flow, or condenser cleanliness.
- **Component Failure:** Test the BLY-F/950 part (e.g., continuity for switches, clogging in filter driers).
- **Noise/Leaks:** Inspect the compressor and refrigerant lines.

### Products Introduction:

| Voltage /<br>frequency(V/Hz)                                                                              | Horsepower<br>(hp)               | Model   | Displacement | Motor<br>type | Cooling capacity+/-5%<br>ASHRAE(-23.3℃) |          |                               | Input Power<br>+/-5%<br>w | COP+/-7%<br>ASHRAE(-23.3℃) |                     |      | Cooling |
|-----------------------------------------------------------------------------------------------------------|----------------------------------|---------|--------------|---------------|-----------------------------------------|----------|-------------------------------|---------------------------|----------------------------|---------------------|------|---------|
|                                                                                                           |                                  |         |              |               | (cc/rev)                                | (kcal/h) | (W)                           |                           | (Btu/h)                    | (kcal/h)            | (W)  |         |
|                                                                                                           |                                  |         |              |               |                                         |          |                               |                           |                            |                     |      |         |
| 220-240V~<br>50/60Hz                                                                                      | 1/14hp                           | ASV20H  | 2.0cc        | RSIR          | 41                                      | 48       | 164.00                        | 56.00                     | 0.73                       | 0.85                | 2.9  | ST      |
|                                                                                                           | 1/13hp                           | ASV25H  | 2.5cc        | RSIR          | 50                                      | 58       | 198.00                        | 68.00                     | 0.73                       | 0.85                | 2.9  | ST      |
|                                                                                                           | 1/12hp                           | ASV30H  | 3.0cc        | RSIR          | 60                                      | 70       | 239.00                        | 82.00                     | 0.73                       | 0.85                | 2.9  | ST      |
|                                                                                                           | 1/12hp                           | S30G    | 3.0cc        | RSIR          | 56                                      | 65       | 222.00                        | 72.00                     | 0.77                       | 0.9                 | 3.07 | ST      |
|                                                                                                           | 1/10hp                           | S36G    | 3.6cc        | RSIR          | 69                                      | 80       | 273.00                        | 89.00                     | 0.77                       | 0.9                 | 3.07 | ST      |
|                                                                                                           | 1/8hp                            | ASW43H  | 4.3cc        | RSIR          | 106                                     | 123      | 420.00                        | 98.00                     | 1.08                       | 1.25                | 4.27 | ST      |
|                                                                                                           | 1/6hp                            | ASW53H  | 5.3cc        | RSIR          | 120                                     | 140      | 478.00                        | 112.00                    | 1.08                       | 1.25                | 4.27 | ST      |
|                                                                                                           | 1/5hp                            | ASW65H  | 6.5cc        | RSIR          | 143                                     | 165      | 566.00                        | 132.00                    | 1.08                       | 1.25                | 4.27 | ST      |
|                                                                                                           | 1/4hp                            | ASW75H  | 7.5cc        | RSIR          | 168                                     | 190      | 665.00                        | 152.00                    | 1.08                       | 1.25                | 4.27 | ST      |
|                                                                                                           | 1/4+hp                           | ASQ91H  | 9.1cc        | RSIR          | 189                                     | 220      | 751.00                        | 176.00                    | 1.08                       | 1.25                | 4.27 | ST      |
|                                                                                                           | 1/3hp                            | ASQ110H | 11.0cc       | RSIR          | 241                                     | 280      | 955.00                        | 215.00                    | 1.11                       | 1.3                 | 4.43 | ST      |
|                                                                                                           | 1/3+hp                           | ASQ128H | 12.8cc       | RSIR          | 280                                     | 326      | 1112.00                       | 251.00                    | 1.11                       | 1.3                 | 4.43 | ST      |
| 115-127V/60Hz                                                                                             | 1/14hp                           | ASV20HD | 2.0cc        | RSIR          | 47                                      | 55       | 188.00                        | 65.00                     | 0.73                       | 0.85                | 2.9  | ST      |
|                                                                                                           | 1/10hp                           | ASV25HD | 2.5cc        | RSIR          | 56                                      | 65       | 222.00                        | 78.00                     | 0.77                       | 0.9                 | 3.07 | ST      |
|                                                                                                           | 1/12hp                           | ASV30HD | 3.0cc        | RSIR          | 69                                      | 80       | 273.00                        | 100.00                    | 0.77                       | 0.9                 | 3.07 | ST      |
|                                                                                                           | 1/8hp                            | ASW43HD | 4.3cc        | RSIR          | 116                                     | 135      | 460.00                        | 108.00                    | 1.08                       | 1.25                | 4.27 | ST      |
|                                                                                                           | 1/6hp                            | ASW53HD | 5.3cc        | RSIR          | 138                                     | 160      | 546.00                        | 128.00                    | 1.08                       | 1.25                | 4.27 | ST      |
|                                                                                                           | 1/5hp                            | ASW65HD | 6.5cc        | RSIR          | 167                                     | 194      | 662.00                        | 147.00                    | 1.14                       | 1.32                | 4.5  | ST      |
|                                                                                                           | 1/4hp                            | ASW75HD | 7.5cc        | RSIR          | 196                                     | 228      | 777.00                        | 173.00                    | 1.14                       | 1.32                | 4.5  | ST      |
| FC:Fancooling                                                                                             | RSIR:ResistanceStartInductionRun |         |              |               |                                         |          | EvaporatingTemp.:23.3℃(-10℉)  |                           |                            | 1watt=3.41Btu/Hr    |      |         |
| OC:Oilcooling                                                                                             | RSCR:ResistanceStartCapacitorRun |         |              |               |                                         |          | CondensingTemp.:54.4℃(130℉)   |                           |                            | 1watt=0.86Kcal/Hr   |      |         |
| ST:Static                                                                                                 | CSIR:CapacitorStartInductionRun  |         |              |               |                                         |          | GasSuperheatedto:32.2℃(90℉)   |                           |                            | 1Kcal/Hr=3.97Btu/Hr |      |         |
|                                                                                                           | CSR:CapacitorStartCapacitorRun   |         |              |               |                                         |          | Liquidsub-cooledto:32.2℃(90℉) |                           |                            |                     |      |         |
|                                                                                                           |                                  |         |              |               |                                         |          | AmbientTemp.:32.2℃(90℉)       |                           |                            |                     |      |         |
| As a result of a basic policy of constant development, technical specifications may be subject to change. |                                  |         |              |               |                                         |          |                               |                           |                            |                     |      |         |





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