

1/5HP, Refrigerator, Samsung, Compressor, R134A, 220-240V, SD162Q-L1UA, PTC-RSCR, 6.16CC

written by Lilianne | 19 December 2020



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Model No.: SD162Q-L1UA

Test condition: ASHARE

Evaporating Temperature: -23.3° C

Condensing Temperature: 54.4° C

Displacement: 6.16CC/ Rev

Oil: 180CC

Motor type: PTC-RSCR

Nominal voltage range: 187V~276V at 50Hz

Characteristics:

1. Strong load capacity
2. High efficiency & reliability
3. Reliable starting performance
4. Low noise

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| RATED VOLTAGE | MODEL | VOLTAGE VOLT-HZ | MOTOR TYPE | DISPL (cc) | HEIGHT (mm) | ASHRAE | | | | | | COOLING TYPE | |
|--------------------|-------------|-----------------|------------|------------|-------------|---------------------------|------|--------|---------------|-----------------------|------|--------------|-----|
| | | | | | | COOLING CAPACITY -23.3 °C | | | POWER INPUT W | EFFICIENCY (-23.3 °C) | | | |
| | | | | | | Kcal/Hr | Watt | BTU/Hr | | EFF | COP | | EER |
| AC 110V/50-60HZ | CD124E-L1Z2 | 100-50 | RSIR | 2.40 | 157 | 43 | 50 | 171 | 68 | 0.83 | 0.74 | 2.51 | ST |
| | | 100-60 | | | | 52 | 60 | 206 | 68 | 0.76 | 0.89 | 3.04 | |
| | | 100-50 | | | | 58 | 67 | 230 | 76 | 0.76 | 0.89 | 3.03 | |
| | CD130E-L1Z2 | 100-60 | RSIR | 2.93 | 157 | 70 | 81 | 278 | 79 | 0.89 | 1.03 | 3.52 | ST |
| | | 100-50 | | | | 72 | 84 | 286 | 91 | 0.79 | 0.92 | 3.14 | |
| | SD137E-L1U2 | 100-60 | RSCR | 3.71 | 166 | 87 | 101 | 345 | 99 | 0.88 | 1.02 | 3.49 | ST |
| | | 100-50 | | | | 117 | 136 | 464 | 111 | 1.05 | 1.23 | 4.18 | |
| | SD152E-L1W2 | 100-60 | CSR | 5.21 | 171 | 135 | 157 | 536 | 121 | 1.12 | 1.30 | 4.43 | ST |
| | | 100-50 | | | | 144 | 168 | 572 | 141 | 1.02 | 1.19 | 4.06 | |
| | SD162E-L1W2 | 100-60 | CSR | 6.16 | 175 | 170 | 198 | 676 | 147 | 1.16 | 1.35 | 4.60 | ST |
| | | 100-50 | | | | 80 | 93 | 317 | 85 | 0.94 | 1.09 | 3.73 | |
| | DD137-L1U2 | 100-60 | RSCR | 3.71 | 166 | 96 | 111 | 380 | 99 | 0.97 | 1.12 | 3.84 | ST |
| | | 100-50 | | | | 118 | 137 | 468 | 103 | 1.15 | 1.33 | 4.55 | |
| | MD152E-L1U2 | 100-60 | RSCR | 5.21 | 171 | 143 | 166 | 568 | 118 | 1.21 | 1.41 | 4.81 | ST |
| | | 100-50 | | | | 143 | 166 | 568 | 116 | 1.23 | 1.43 | 4.89 | |
| | MD162E-L1U2 | 100-60 | RSCR | 6.16 | 175 | 182 | 212 | 723 | 141 | 1.29 | 1.50 | 5.12 | ST |
| | | 100-50 | | | | 168 | 195 | 667 | 149 | 1.13 | 1.31 | 4.48 | |
| | SK170E-L2W | 100-60 | CSR | 6.99 | 189 | 206 | 240 | 818 | 170 | 1.21 | 1.41 | 4.81 | FC |
| | | 100-50 | | | | 203 | 236 | 806 | 188 | 1.08 | 1.26 | 4.29 | |
| | SK182E-L2W | 100-60 | CSR | 8.19 | 189 | 239 | 278 | 950 | 196 | 1.22 | 1.42 | 4.85 | FC |
| | | 100-50 | | | | 203 | 236 | 806 | 161 | 1.26 | 1.47 | 5.01 | |
| | DK182E-L2U | 100-60 | RSCR | 8.19 | 189 | 256 | 298 | 1016 | 191 | 1.34 | 1.56 | 5.32 | FC |
| | | 100-50 | | | | 230 | 267 | 913 | 180 | 1.28 | 1.49 | 5.07 | |
| | DK190E-L2U | 100-60 | RSCR | 9.07 | 189 | 280 | 326 | 1112 | 209 | 1.34 | 1.56 | 5.32 | FC |
| 100-50 | | 181 | | | | 210 | 719 | 140 | 1.29 | 1.50 | 5.13 | | |
| MK172E-L2U | 100-60 | RSCR | 7.21 | 189 | 226 | 263 | 897 | 162 | 1.40 | 1.62 | 5.54 | ST | |
| | 100-50 | | | | | | | | | | | | |

Samsung compressors are imported in Europe by: Procold S.r.l. - Italy
www.samsung-compressors.com www.procold.it

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1/5HP Refrigerator Compressor R134A 220-240V



Price : **US \$ 28/ Piece**
 Payment Terms : **L/C, T/T, Western Union**
 Trade Terms : **FOB**
 Production Capacity : **6, 000, 000PCS/ Year**
 Packing Details : **by Pallet**
 Refrigerant Gas : **R134A**
 Main Markets : **Global**
 Place of Origin : **china**
 Category : **Refrigerators**



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| Rated voltage | Item No. | Description | ASHARE | | | | | Cooling Type | Motor Type |
|--|-------------|---|------------------|-----|-------------------|---------------------|-----------------|--------------|------------|
| | | | Capacity at 50Hz | | COP (W/W) at 50Hz | Current (A) at 50Hz | Power Input (W) | | |
| | | | W | Btu | | | | | |
| AC 220-240V/ 50Hz | MSA141Q-S1A | Refrigerator Compressor R134a LBP | 122 | 416 | 1.27 | 0.67 | 96 | Static | PTC-RSIR |
| | MSA143Q-S1Z | | 112 | 381 | 1.34 | 0.69 | 83 | Static | PTC-RSIR |
| | SD151Q-L1UB | | 140 | 478 | 1.27 | 0.52 | 110 | Static | RSCR |
| | SD162Q-L1UA | | 170 | 580 | 1.36 | 0.59 | 125 | Static | PTC-RSCR |
| | MSA170Q-L1B | | 201 | 686 | 1.56 | 0.63 | 129 | Static | RSCR |
| AC 200- 220V/ 50Hz or 220V/ 60Hz | SD152H-S1UB | Refrigerator Compressor R134a LBP | 134 | 457 | 1.17 | 0.66 | 114 | Static | RSCR |
| | SD162H-L1UB | | 170 | 580 | 1.22 | 0.82 | 139 | Static | PTC-RSCR |
| | MSA170H-L1B | | 201 | 686 | 1.43 | 0.87 | 141 | Static | RSCR |

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1) Compressor model identification

| NUMBER | MEANING |
|-------------------------------|--|
| ① Series | CD, SD, MD, SK, MK, HK, MSS, MSA, MSE, ENV, MKV, MSV |
| ② Refrigerant | 1 : R 134a (LBP) 4 : R 600a (LBP) 6 : R 134a (HBP) |
| ③ Displacement (cc/Rev.) x 10 | 24 : 2.40cc, 30 : 2.93cc, 37 : 3.71cc, 43 : 4.38cc, 50 : 5.21cc, 51 : 5.12cc, 52 : 5.21cc, 60 : 6.16cc, 62 : 6.16cc, 70 : 6.99cc, 72 : 7.21cc, 80 : 8.19cc, 82 : 8.19cc, 83 : 8.19cc, 88 : 8.80cc, 90 : 9.07cc, A1 : 10.68cc, A2 : 12.13cc, A3 : 12.52cc, A5 : 15.32cc |
| ④ Rated voltage and frequency | B : 220V ~ 60Hz C : 115V ~ 60Hz D : 115-127V ~ 60Hz E : 100V ~ 50/60Hz G : 220-240V ~ 50Hz, 220V ~ 60Hz H : 200-220V ~ 50Hz, 220V ~ 60Hz K : 200-220V ~ 50Hz P : 127V ~ 60Hz Q : 220-240V ~ 50Hz A : variable for BLDC |
| ⑤ Application | L/R/S : Low Back Pressure H : High Back Pressure |
| ⑥ Cooling type | 0 : Oil cooling 1 : Static 2 : Fan cooling |
| ⑦ Motor type | B/C/X : BLDC S : PTC or Current-CSIR U : PTC-RSCR (Optional RSIR) W : PTC-CSR Y : Current-RSIR Z : PTC-RSIR |
| ⑧ Option | |

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| | | | | | | | | | | | |
|-----------------------------------|-------------|--------|--------|-----|------|------|------|------|------|------|----|
| AC 220-240V-50Hz, 220V-60Hz | MSS151G-L1U | RSCR | 220-50 | 125 | 145 | 496 | 90 | 1.39 | 1.51 | 5.51 | ST |
| | | | 220-60 | 152 | 177 | 603 | 107 | 1.42 | 1.65 | 5.64 | |
| | MSA151G-L1B | RSCR | 220-50 | 125 | 145 | 496 | 96 | 1.30 | 1.51 | 5.17 | ST |
| | | | 220-60 | 152 | 177 | 603 | 114 | 1.33 | 1.55 | 5.29 | |
| | MSA162G-L1B | RSCR | 220-50 | 151 | 176 | 599 | 119 | 1.27 | 1.48 | 5.04 | ST |
| | | | 220-60 | 187 | 217 | 742 | 140 | 1.34 | 1.55 | 5.30 | |
| | MSS170G-L1U | RSCR | 220-50 | 178 | 207 | 707 | 124 | 1.44 | 1.67 | 5.70 | ST |
| | | | 220-60 | 222 | 258 | 881 | 151 | 1.47 | 1.71 | 5.84 | |
| | MK183G-L2U | RSCR | 220-50 | 203 | 236 | 806 | 149 | 1.36 | 1.58 | 5.41 | FC |
| | | | 220-60 | 258 | 300 | 1024 | 179 | 1.44 | 1.68 | 5.72 | |
| MK190G-L2U | RSCR | 220-50 | 225 | 262 | 893 | 168 | 1.34 | 1.56 | 5.32 | FC | |
| | | 220-60 | 285 | 331 | 1131 | 200 | 1.43 | 1.66 | 5.66 | | |
| AC 220-240V-50Hz | CD124Q-L1Z2 | RSIR | 220-50 | 43 | 50 | 171 | 57 | 0.75 | 0.88 | 2.99 | ST |
| | CD130Q-L1Z2 | RSIR | 220-50 | 58 | 67 | 230 | 65 | 0.89 | 1.04 | 3.54 | ST |
| | CD130Q-S1ZA | RSIR | 220-50 | 58 | 67 | 230 | 74 | 0.78 | 0.91 | 3.11 | ST |
| | CD137Q-S1U2 | RSCR | 220-50 | 72 | 84 | 286 | 80 | 0.90 | 1.05 | 3.57 | ST |
| | SD137Q-L1ZB | RSIR | 220-50 | 75 | 87 | 298 | 86 | 0.87 | 1.01 | 3.46 | ST |
| | SD137Q-L1UB | RSCR | 220-50 | 75 | 87 | 298 | 80 | 0.94 | 1.09 | 3.72 | ST |
| | SD143Q-L1U2 | RSCR | 220-50 | 95 | 110 | 377 | 99 | 0.96 | 1.12 | 3.81 | ST |
| | MSA143Q-S1Z | RSIR | 220-50 | 96 | 112 | 381 | 83 | 1.16 | 1.34 | 4.59 | ST |
| | SD152Q-L1UB | RSCR | 220-50 | 120 | 140 | 476 | 104 | 1.15 | 1.34 | 4.58 | ST |
| | MD152Q-L1U2 | RSCR | 220-50 | 118 | 137 | 468 | 98 | 1.20 | 1.40 | 4.78 | ST |
| | SD162Q-L1UB | RSCR | 220-50 | 146 | 170 | 580 | 125 | 1.17 | 1.36 | 4.64 | ST |

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