

# Mbsm.pro, Compressor, Samsung, HK6A3C2W, R134a, 1/3 hp++, 690 w , hbp, SDxx-SKxx-HKxx Series

written by Lilianne | 25 May 2023

| VOLTAGE             | MODEL       | TYPE   | [V-Hz] | CAPACITY |       |        |      | EFF       |      | EER      |    | TYPE |
|---------------------|-------------|--------|--------|----------|-------|--------|------|-----------|------|----------|----|------|
|                     |             |        |        | Kcal/Hr  | Watt  | BTU/Hr | W    | Kcal/W/hr | W/W  | BTU/W/hr |    |      |
| AC<br>100V-50/60Hz  | SD652E-S2W2 | CSR    | 100-50 | 450      | 523   | 1,787  | 230  | 1.96      | 2.28 | 7.77     | FC |      |
|                     |             |        | 100-60 | 550      | 640   | 2,184  | 262  | 2.10      | 2.44 | 8.33     |    |      |
|                     | HK690E2W    | CSR    | 100-50 | 780      | 907   | 3,097  | 390  | 2.00      | 2.33 | 7.94     | FC |      |
|                     |             |        | 100-60 | 950      | 1,105 | 3,772  | 445  | 2.13      | 2.48 | 8.48     |    |      |
|                     | HK6A3E2W    | CSR    | 100-50 | 1,221    | 1,453 | 4,169  | 577  | 1.82      | 2.12 | 7.22     | FC |      |
|                     |             |        | 100-60 | 1,250    | 1,453 | 4,963  | 644  | 1.94      | 2.26 | 7.71     |    |      |
| AC<br>115V-60Hz     | SD643C-H2U2 | RSCR   | 115-60 | 450      | 523   | 1,787  | 220  | 2.05      | 2.38 | 8.12     | FC |      |
|                     | SD652C-H2U2 | RSCR   | 115-60 | 550      | 640   | 2,184  | 262  | 2.10      | 2.44 | 8.33     | FC |      |
|                     | SK670C-H2Y  | RSIR   | 115-60 | 720      | 837   | 2,858  | 390  | 1.85      | 2.15 | 7.33     | FC |      |
|                     | SK682C-H2Y  | RSIR   | 115-60 | 830      | 965   | 3,295  | 460  | 1.80      | 2.10 | 7.16     | FC |      |
|                     | SK6A1C-H2Y  | RSIR   | 115-60 | 1,080    | 1,256 | 4,288  | 630  | 1.71      | 1.99 | 6.81     | FC |      |
|                     | HK672C2Z    | RSIR   | 115-60 | 750      | 872   | 2,978  | 370  | 2.03      | 2.36 | 8.05     | FC |      |
|                     | HK680C2Z    | RSIR   | 115-60 | 850      | 988   | 3,375  | 430  | 1.98      | 2.30 | 7.85     | FC |      |
|                     | HK690C2Z    | RSIR   | 115-60 | 950      | 1,105 | 3,772  | 490  | 1.94      | 2.25 | 7.70     | FC |      |
|                     | HK6A1C2U    | RSCR   | 115-60 | 1,090    | 1,267 | 4,327  | 545  | 2.00      | 2.33 | 7.94     | FC |      |
|                     | HK6A3C2W    | CSR    | 115-60 | 1,250    | 1,453 | 4,169  | 690  | 1.81      | 2.11 | 7.19     | FC |      |
| AC<br>220V-60Hz     | SD643B-H2U2 | RSCR   | 220-60 | 450      | 523   | 1,787  | 220  | 2.05      | 2.38 | 8.12     | FC |      |
|                     | SD643B-H2UB | RSCR   | 220-60 | 480      | 558   | 1,906  | 238  | 2.02      | 2.35 | 8.01     | FC |      |
|                     | SD652B-S2W2 | CSR    | 220-60 | 550      | 640   | 2,184  | 255  | 2.16      | 2.51 | 8.56     | FC |      |
|                     | SD652B-H2UB | RSCR   | 220-60 | 570      | 663   | 2,263  | 270  | 2.11      | 2.45 | 8.38     | FC |      |
|                     | SK670B-H2U  | RSCR   | 220-60 | 720      | 837   | 2,858  | 330  | 2.18      | 2.54 | 8.66     | FC |      |
|                     | SK682B-H2U  | RSCR   | 220-60 | 830      | 965   | 3,295  | 405  | 2.05      | 2.38 | 8.14     | FC |      |
|                     | SK6A1B-S2W  | CSR    | 220-60 | 1,080    | 1,256 | 4,288  | 560  | 1.93      | 2.24 | 7.66     | FC |      |
|                     | HK672B2Z    | RSIR   | 220-60 | 750      | 872   | 2,978  | 370  | 2.03      | 2.36 | 8.05     | FC |      |
|                     | HK680B2Z    | RSIR   | 220-60 | 850      | 988   | 3,375  | 430  | 1.98      | 2.30 | 7.85     | FC |      |
|                     | HK690B2Z    | RSIR   | 220-60 | 950      | 1,105 | 3,772  | 490  | 1.94      | 2.25 | 7.70     | FC |      |
|                     | HK6A1B2W    | CSR    | 220-60 | 1,090    | 1,267 | 4,327  | 520  | 2.10      | 2.44 | 8.32     | FC |      |
|                     | HK6A3B2W    | CSR    | 220-60 | 1,250    | 1,453 | 4,963  | 650  | 1.92      | 2.25 | 7.63     | FC |      |
| AC<br>220-240V-50Hz | SD643Q-H2Z2 | RSIR   | 230-50 | 370      | 430   | 1,469  | 197  | 1.88      | 2.18 | 7.46     | FC |      |
|                     | SD652Q-H2Z2 | RSIR   | 230-50 | 450      | 523   | 1,787  | 220  | 2.05      | 2.38 | 8.12     | FC |      |
|                     | SK670Q-H2S  | CSIR   | 230-50 | 600      | 698   | 2,382  | 310  | 1.94      | 2.25 | 7.68     | FC |      |
|                     | SK670Q-H2Z  | RSIR   | 230-50 | 595      | 692   | 2,362  | 310  | 1.92      | 2.23 | 7.62     | FC |      |
|                     | SK682Q-H2Z  | RSIR   | 230-50 | 700      | 814   | 2,779  | 365  | 1.92      | 2.23 | 7.61     | FC |      |
|                     | SK6A1Q-S2S  | CSIR   | 230-50 | 900      | 1,047 | 3,573  | 480  | 1.88      | 2.18 | 7.44     | FC |      |
|                     | HK672Q2Z    | RSIR   | 220-50 | 610      | 709   | 2,422  | 305  | 2.00      | 2.33 | 7.94     | FC |      |
|                     | HK680Q2Z    | RSIR   | 220-50 | 700      | 814   | 2,779  | 350  | 2.00      | 2.33 | 7.94     | FC |      |
|                     | HK690Q2Z    | RSIR   | 220-50 | 780      | 907   | 3,097  | 380  | 2.05      | 2.39 | 8.15     | FC |      |
|                     | HK6A1Q2Z    | RSIR   | 220-50 | 910      | 1,058 | 3,613  | 465  | 1.96      | 2.28 | 7.77     | FC |      |
| HK6A3Q2Z            | RSCR        | 220-50 | 1,050  | 1,221    | 4,169 | 535    | 1.96 | 2.28      | 7.79 | FC       |    |      |

#### COOLING TYPE

FC : Fan cooling  
OC : Oil cooling

#### MOTOR TYPE

RSIR : Resistance Start Induction Run  
RSCR : Resistance Start Capacitor Run

#### ASHRAE CONDITIONS (HBP)

Evaporating Temp. : 7.2°C (45°F)  
Condensing Temp. : 54.4°C (130°F)

#### UNIT CONVERSION TABLE

1 watt = 3.41 Btu/Hr  
1 watt = 0.86 Kcal/Hr

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