

PERFORMANCE DATA

| | |
|--------------------------|----------------------------|
| Code No. | C-SCP360H38A |
| Power Source | 3-PH 50Hz 380V |
| Condensing Temp.(°C) | 40.5, 45, 50, 54.4, 60, 65 |
| Suction Gas Superheat(K) | 11.1 |
| Sub Cooled(K) | 8.3 |
| Compressor Cooling | Natural Cooling |
| Refrigerant | R410A |

Capacity (W)

| | | Evaporating Temp. (°C) | | | | | | |
|-----------------------|------|------------------------|--------|--------|--------|--------|--------|--------|
| | | -10 | -6.7 | 0 | 4.4 | 7.2 | 10 | 12 |
| Condensing Temp. (°C) | 40.5 | 19,345 | 21,670 | 27,288 | 31,747 | 34,957 | 38,492 | 41,234 |
| | 45.0 | 18,504 | 20,700 | 25,994 | 30,187 | 33,201 | 36,516 | 39,084 |
| | 50.0 | 17,609 | 19,670 | 24,624 | 28,538 | 31,347 | 34,432 | 36,820 |
| | 54.4 | 16,857 | 18,804 | 23,477 | 27,160 | 29,800 | 32,696 | 34,936 |
| | 60.0 | | 17,759 | 22,096 | 25,506 | 27,944 | 30,616 | 32,680 |
| | 65.0 | | | 20,939 | 24,121 | 26,394 | 28,881 | 30,799 |

Input (W)

| | | Evaporating Temp. (°C) | | | | | | |
|-----------------------|------|------------------------|--------|--------|--------|--------|--------|--------|
| | | -10 | -6.7 | 0 | 4.4 | 7.2 | 10 | 12 |
| Condensing Temp. (°C) | 40.5 | 7,662 | 7,519 | 7,317 | 7,247 | 7,228 | 7,230 | 7,244 |
| | 45.0 | 8,254 | 8,170 | 8,050 | 8,007 | 7,995 | 7,994 | 8,001 |
| | 50.0 | 8,975 | 8,971 | 8,963 | 8,959 | 8,957 | 8,955 | 8,954 |
| | 54.4 | 9,663 | 9,742 | 9,854 | 9,891 | 9,900 | 9,898 | 9,889 |
| | 60.0 | | 10,816 | 11,103 | 11,203 | 11,230 | 11,228 | 11,210 |
| | 65.0 | | | 12,330 | 12,495 | 12,541 | 12,540 | 12,512 |

Current (A)

| | | Evaporating Temp. (°C) | | | | | | |
|-----------------------|------|------------------------|-------|-------|-------|-------|-------|-------|
| | | -10 | -6.7 | 0 | 4.4 | 7.2 | 10 | 12 |
| Condensing Temp. (°C) | 40.5 | 13.51 | 13.36 | 13.15 | 13.07 | 13.05 | 13.05 | 13.06 |
| | 45.0 | 14.40 | 14.33 | 14.23 | 14.19 | 14.18 | 14.18 | 14.18 |
| | 50.0 | 15.47 | 15.50 | 15.55 | 15.56 | 15.57 | 15.56 | 15.56 |
| | 54.4 | 16.47 | 16.61 | 16.81 | 16.88 | 16.90 | 16.90 | 16.88 |
| | 60.0 | | 18.14 | 18.56 | 18.71 | 18.75 | 18.75 | 18.72 |
| | 65.0 | | | 20.26 | 20.48 | 20.55 | 20.55 | 20.51 |

Coefficients of Polynomial Formula

| | Capacity (W) | Input (W) | Current (A) |
|-----|---------------|---------------|---------------|
| C1 | 4.283807E+04 | 4.816383E+03 | 8.274288E+00 |
| C2 | 1.406214E+03 | -1.267423E+02 | -1.608533E-01 |
| C3 | -4.617559E+02 | -2.748581E+01 | 1.428426E-02 |
| C4 | 2.420633E+01 | 7.158134E+00 | 8.951930E-03 |
| C5 | -1.152951E+01 | 2.580724E+00 | 3.388815E-03 |
| C6 | 1.935121E+00 | 2.204858E+00 | 2.619931E-03 |
| C7 | 1.449824E-01 | -1.519585E-02 | -1.833013E-05 |
| C8 | -1.978436E-01 | -1.424905E-01 | -1.854333E-04 |
| C9 | 1.565513E-06 | -5.985785E-07 | -7.082040E-10 |
| C10 | -4.447149E-06 | -1.919611E-06 | -2.058570E-09 |

Note: The polynomial coefficients subject to change without notice.

$$X = C1 + C2*(S) + C3*D + C4*(S^2) + C5*(S*D) + C6*(D^2) + C7*(S^3) + C8*(D*S^2) + C9*(S*D^2) + C10*(D^3)$$

X—CAPACITY(W) OR POWER(W) OR CURRENT(A)

S—EVAPORATING TEMP, °C

D—CONDENSING TEMP, °C