Evaporating Temp. (℃)

PERFORMANCE DATA

Code No.	C-SCP270H38A
Power Source	3-PH 50Hz 380V
Condensing Temp.(℃)	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)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-10	-6.7	0	4.4	7.2	10	12
40.5	14,541	16,289	20,512	23,864	26,277	28,934	30,994
45.0	13,909	15,560	19,539	22,691	24,956	27,448	29,379
50.0	13,237	14,785	18,509	21,451	23,563	25,882	27,677
54.4	12,671	14,135	17,647	20,416	22,400	24,577	26,260
60.0		13,349	16,609	19,172	21,005	23,014	24,565
65.0			15,739	18,131	19,840	21,709	23,151

Input (W)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-10	-6.7	0	4.4	7.2	10	12
40.5	5,727	5,620	5,469	5,417	5,403	5,404	5,414
45.0	6,170	6,107	6,017	5,985	5,976	5,976	5,981
50.0	6,708	6,705	6,700	6,697	6,695	6,694	6,693
54.4	7,223	7,282	7,365	7,393	7,400	7,398	7,392
60.0		8,084	8,299	8,374	8,394	8,393	8,379
65.0			9,216	9,340	9,374	9,374	9,353

Current (A)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-10	-6.7	0	4.4	7.2	10	12
40.5	10.47	10.36	10.19	10.13	10.11	10.11	10.12
45.0	11.16	11.11	11.03	11.00	10.99	10.99	10.99
50.0	11.99	12.02	12.05	12.06	12.07	12.06	12.06
54.4	12.77	12.88	13.03	13.09	13.10	13.10	13.09
60.0		14.06	14.39	14.50	14.53	14.53	14.51
65.0			15.70	15.88	15.93	15.93	15.90

Coefficients of Polynominal Formula

	Capacity (W)	Input (W)	Current (A)
C1	3.219596E+04	3.593062E+03	6.370747E+00
C2	1.056983E+03	-9.479755E+01	-1.256042E-01
C3	-3.469117E+02	-2.027454E+01	1.274237E-02
C4	1.819444E+01	5.358398E+00	6.906110E-03
C5	-8.665679E+00	1.930288E+00	2.638099E-03
C6	1.452823E+00	1.645550E+00	2.015232E-03
C7	1.089955E-01	-1.132851E-02	-1.130512E-05
C8	-1.487040E-01	-1.066712E-01	-1.433611E-04
C9	5.563710E-07	-6.273563E-07	-7.456751E-10
C10	-3.344003E-06	-1.454315E-06	-1.630045E-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