

PERFORMANCE DATA

Code No.	C-SCP360H38B
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