

# PERFORMANCE DATA

Code No.	C-SCN673H8H
Power Source	3Ph 50Hz 380V
Condensing Temp.(°C)	30, 35, 40.5, 45, 50, 54.4, 60, 65
Suction Gas Superheat(K)	11.1
Sub Cooled(K)	8.3
Compressor Cooling	Natural Cooling
Refrigerant	R404A

Capacity (W)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	18,050	21,910	24,910	32,310	38,340	42,740	47,650	51,500
	35	16,340	19,860	22,600	29,360	34,860	38,890	43,380	46,910
	40.5	14,620	17,800	20,260	26,360	31,340	34,980	39,050	42,240
	45.0	13,340	16,250	18,510	24,110	28,690	32,040	35,790	38,730
	50.0	12,030	14,670	16,730	21,830	25,990	29,050	32,460	35,150
	54.4		13,420	15,310	20,000	23,840	26,650	29,800	32,280
	60.0			13,700	17,920	21,380	23,930	26,770	29,010
	65.0				16,310	19,470	21,800	24,410	26,460

Input (W)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	5,630	5,620	5,610	5,590	5,580	5,570	5,570	5,560
	35	6,150	6,150	6,150	6,150	6,150	6,150	6,140	6,140
	40.5	6,800	6,810	6,820	6,840	6,860	6,870	6,870	6,880
	45.0	7,380	7,420	7,440	7,480	7,510	7,530	7,550	7,560
	50.0	8,100	8,150	8,190	8,260	8,310	8,340	8,370	8,390
	54.4		8,860	8,910	9,010	9,080	9,120	9,170	9,200
	60.0			9,910	10,050	10,150	10,210	10,280	10,320
	65.0				11,060	11,190	11,280	11,360	11,420

Current (A)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	10.1	10.0	10.0	10.0	9.9	9.9	9.9	9.9
	35	10.9	10.9	10.9	10.9	10.8	10.8	10.8	10.8
	40.5	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0
	45.0	12.8	12.9	12.9	13.0	13.0	13.0	13.1	13.1
	50.0	13.9	14.0	14.1	14.2	14.2	14.3	14.3	14.4
	54.4		15.1	15.2	15.3	15.4	15.5	15.6	15.6
	60.0			16.7	16.9	17.1	17.2	17.3	17.4
	65.0				18.5	18.7	18.8	18.9	19.0

MassFlow (kg/H)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	430	530	590	750	870	950	1,040	1,110
	35	430	520	580	740	860	940	1,020	1,090
	40.5	420	500	570	720	840	920	1,000	1,070
	45.0	410	500	560	710	830	900	990	1,050
	50.0	400	490	550	700	810	890	970	1,030
	54.4		480	540	690	800	870	960	1,020
	60.0			530	670	780	860	940	1,000
	65.0				660	770	840	920	980

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		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	3.21	3.90	4.44	5.78	6.87	7.67	8.55	9.26
	35	2.66	3.23	3.67	4.77	5.67	6.32	7.07	7.64
	40.5	2.15	2.61	2.97	3.85	4.57	5.09	5.68	6.14
	45.0	1.81	2.19	2.49	3.22	3.82	4.25	4.74	5.12
	50.0	1.49	1.80	2.04	2.64	3.13	3.48	3.88	4.19
	54.4		1.51	1.72	2.22	2.63	2.92	3.25	3.51
	60.0			1.38	1.78	2.11	2.34	2.60	2.81
	65.0				1.47	1.74	1.93	2.15	2.32

Coefficients of Polynomial Formula

	Capacity (W)	Input (W)	Current (A)	MassFlow (kg/h)
C1	5.516496E+04	3.875835E+03	6.857147E+00	8.324104E+02
C2	2.074548E+03	4.387316E-01	-5.198974E-03	2.809839E+01
C3	-8.997878E+02	1.162412E+01	3.902030E-02	-2.740219E+00
C4	3.267866E+01	-5.974884E-02	-4.638993E-05	3.073927E-01
C5	-3.152163E+01	-5.599968E-01	-7.383242E-04	-8.427625E-02
C6	4.647743E+00	1.521828E+00	2.146513E-03	1.395853E-03
C7	2.219824E-01	-1.459269E-04	-3.036065E-07	4.120576E-04
C8	-2.954296E-01	1.546837E-03	1.226530E-06	-3.817315E-05
C9	1.479401E-01	1.540841E-02	2.371524E-05	1.026969E-04
C10	-9.459005E-09	6.043066E-09	-6.857995E-12	1.249199E-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) OR MassFlow(kg/H)

S—EVAPORATING TEMP, °C

D—CONDENSING TEMP, °C