

PERFORMANCE DATA

Code No.	C-SBN263H8A
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	6,860	8,360	9,530	12,430	14,800	16,540	18,490	20,010
	35	6,240	7,610	8,670	11,310	13,460	15,040	16,800	18,190
	40.5	5,620	6,850	7,800	10,170	12,100	13,520	15,100	16,340
	45.0	5,150	6,270	7,140	9,310	11,080	12,370	13,820	14,960
	50.0	4,670	5,690	6,480	8,440	10,040	11,210	12,520	13,540
	54.4		5,220	5,940	7,740	9,200	10,280	11,480	12,420
	60.0			5,330	6,940	8,260	9,220	10,290	11,130
	65.0				6,320	7,520	8,390	9,370	10,130

Input (W)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	2,090	2,080	2,080	2,070	2,060	2,060	2,060	2,050
	35	2,320	2,320	2,310	2,300	2,290	2,290	2,290	2,280
	40.5	2,630	2,620	2,610	2,600	2,590	2,590	2,590	2,580
	45.0	2,910	2,900	2,900	2,880	2,880	2,870	2,860	2,860
	50.0	3,270	3,260	3,250	3,230	3,220	3,220	3,210	3,210
	54.4		3,600	3,590	3,570	3,560	3,560	3,550	3,540
	60.0			4,070	4,050	4,040	4,030	4,020	4,020
	65.0				4,520	4,500	4,490	4,480	4,480

Current (A)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9
	35	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	40.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	45.0	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	50.0	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.7
	54.4		6.3	6.3	6.2	6.2	6.2	6.2	6.2
	60.0			7.0	6.9	6.9	6.9	6.9	6.9
	65.0				7.6	7.6	7.6	7.6	7.5

MassFlow (kg/H)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	180	210	230	290	340	370	400	430
	35	170	200	230	290	330	360	400	420
	40.5	160	200	220	280	320	360	390	410
	45.0	150	190	220	270	320	350	380	400
	50.0	150	180	210	270	310	340	370	400
	54.4		180	200	260	310	340	370	390
	60.0			200	260	300	330	360	380
	65.0				250	290	320	350	380

EER

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	3.28	4.02	4.58	6.00	7.18	8.03	8.98	9.76
	35	2.69	3.28	3.75	4.92	5.88	6.57	7.34	7.98
	40.5	2.14	2.61	2.99	3.91	4.67	5.22	5.83	6.33
	45.0	1.77	2.16	2.46	3.23	3.85	4.31	4.83	5.23
	50.0	1.43	1.75	1.99	2.61	3.12	3.48	3.90	4.22
	54.4		1.45	1.65	2.17	2.58	2.89	3.23	3.51
	60.0			1.31	1.71	2.04	2.29	2.56	2.77
	65.0				1.40	1.67	1.87	2.09	2.26

Coefficients of Polynominal Formula

	Capacity (W)	Input (W)	Current (A)	MassFlow (kg/h)
C1	2.115619E+04	1.496328E+03	2.716336E+00	3.244546E+02
C2	8.357878E+02	-1.076060E+00	-1.392188E-03	9.064490E+00
C3	-3.432757E+02	-4.470245E+00	1.123936E-02	-1.020962E+00
C4	1.334824E+01	2.842606E-02	-9.369467E-07	1.973829E-01
C5	-1.323797E+01	1.606229E-02	2.050869E-05	3.135170E-02
C6	1.771808E+00	7.836456E-01	9.827325E-04	-1.926247E-03
C7	8.617055E-02	1.492169E-03	4.391166E-09	3.574713E-04
C8	-1.289880E-01	-5.822295E-05	3.973937E-08	-1.914036E-03
C9	6.387789E-02	-8.258094E-04	-1.133339E-06	-4.307635E-04
C10	-6.886341E-10	-1.042675E-08	2.985623E-12	-1.224555E-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