

# PERFORMANCE DATA

Code No.	C-SBN303H8A
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	8,230	10,030	11,430	14,910	17,750	19,840	22,170	24,000
	35	7,490	9,130	10,400	13,560	16,140	18,040	20,150	21,810
	40.5	6,740	8,210	9,350	12,190	14,510	16,210	18,110	19,600
	45.0	6,170	7,520	8,570	11,160	13,280	14,840	16,570	17,940
	50.0	5,600	6,820	7,770	10,120	12,040	13,440	15,010	16,240
	54.4		6,260	7,130	9,280	11,040	12,320	13,760	14,890
	60.0			6,400	8,330	9,900	11,050	12,340	13,350
	65.0				7,580	9,020	10,060	11,230	12,150

Input (W)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	2,500	2,490	2,490	2,480	2,470	2,470	2,470	2,460
	35	2,780	2,780	2,770	2,760	2,750	2,750	2,740	2,740
	40.5	3,150	3,140	3,130	3,120	3,110	3,110	3,100	3,100
	45.0	3,490	3,480	3,470	3,460	3,450	3,440	3,440	3,430
	50.0	3,920	3,900	3,900	3,880	3,870	3,860	3,850	3,850
	54.4		4,320	4,310	4,290	4,270	4,260	4,260	4,250
	60.0			4,880	4,860	4,840	4,830	4,820	4,820
	65.0				5,420	5,400	5,390	5,380	5,370

Current (A)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	35	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1
	40.5	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.7
	45.0	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.2
	50.0	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8
	54.4		7.5	7.5	7.5	7.5	7.5	7.4	7.4
	60.0			8.3	8.3	8.3	8.3	8.3	8.3
	65.0				9.1	9.1	9.1	9.1	9.0

MassFlow (kg/H)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	220	250	280	350	410	440	480	510
	35	200	240	270	340	400	430	470	500
	40.5	190	230	270	340	390	430	460	490
	45.0	180	230	260	330	380	420	460	480
	50.0	180	220	250	320	380	410	450	480
	54.4		210	240	320	370	400	440	470
	60.0			240	310	360	400	430	460
	65.0				300	350	390	420	450

EER

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	3.29	4.03	4.59	6.01	7.19	8.03	8.98	9.76
	35	2.69	3.28	3.75	4.91	5.87	6.56	7.35	7.96
	40.5	2.14	2.61	2.99	3.91	4.67	5.21	5.84	6.32
	45.0	1.77	2.16	2.47	3.23	3.85	4.31	4.82	5.23
	50.0	1.43	1.75	1.99	2.61	3.11	3.48	3.90	4.22
	54.4		1.45	1.65	2.16	2.59	2.89	3.23	3.50
	60.0			1.31	1.71	2.05	2.29	2.56	2.77
	65.0				1.40	1.67	1.87	2.09	2.26

Coefficients of Polynomial Formula

	Capacity (W)	Input (W)	Current (A)	MassFlow (kg/h)
C1	2.525298E+04	1.786533E+03	3.258239E+00	3.926694E+02
C2	1.027736E+03	-1.376535E+00	-1.228110E-03	1.026303E+01
C3	-4.073940E+02	-4.995771E+00	1.351309E-02	-1.372289E+00
C4	1.729125E+01	-1.252859E-02	-9.891494E-08	1.940748E-01
C5	-1.711608E+01	3.758729E-02	6.075279E-06	6.305714E-02
C6	2.089888E+00	9.366546E-01	1.178553E-03	-2.910363E-04
C7	1.228347E-01	2.380490E-04	-3.488987E-09	-1.285670E-03
C8	-1.829361E-01	2.924729E-04	2.006663E-08	-1.882725E-03
C9	9.012759E-02	-1.269283E-03	-1.160942E-06	-7.091163E-04
C10	-7.279805E-08	2.938145E-09	-7.907660E-14	-8.251031E-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