

PERFORMANCE DATA

Code No.	C-SBN353H8A
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	9,530	11,620	13,250	17,280	20,570	22,990	25,690	27,810
	35	8,670	10,570	12,050	15,710	18,710	20,900	23,350	25,270
	40.5	7,810	9,510	10,840	14,130	16,810	18,780	20,980	22,710
	45.0	7,150	8,710	9,930	12,940	15,390	17,190	19,200	20,780
	50.0	6,490	7,900	9,000	11,720	13,950	15,570	17,390	18,820
	54.4		7,250	8,260	10,750	12,790	14,280	15,950	17,250
	60.0			7,410	9,650	11,470	12,810	14,300	15,470
	65.0				8,790	10,450	11,660	13,020	14,080

Input (W)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	2,900	2,890	2,890	2,870	2,870	2,860	2,860	2,850
	35	3,230	3,220	3,210	3,200	3,190	3,180	3,180	3,170
	40.5	3,650	3,640	3,630	3,620	3,610	3,600	3,590	3,590
	45.0	4,050	4,030	4,020	4,010	4,000	3,990	3,980	3,980
	50.0	4,540	4,520	4,510	4,490	4,480	4,470	4,460	4,460
	54.4		5,000	4,990	4,970	4,950	4,940	4,930	4,920
	60.0			5,660	5,630	5,610	5,600	5,590	5,580
	65.0				6,280	6,260	6,240	6,230	6,220

Current (A)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4
	35	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	40.5	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.6
	45.0	7.3	7.3	7.3	7.2	7.2	7.2	7.2	7.2
	50.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9
	54.4		8.7	8.7	8.7	8.6	8.6	8.6	8.6
	60.0			9.7	9.6	9.6	9.6	9.6	9.6
	65.0				10.6	10.5	10.5	10.5	10.5

MassFlow (kg/H)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	250	290	330	410	470	510	560	590
	35	240	280	320	400	460	500	550	580
	40.5	220	270	310	390	450	490	540	570
	45.0	210	260	300	380	440	480	530	560
	50.0	200	250	290	370	430	480	520	550
	54.4		250	280	370	430	470	510	540
	60.0			270	360	420	460	500	530
	65.0				350	410	450	490	520

EER

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	3.29	4.02	4.58	6.02	7.17	8.04	8.98	9.76
	35	2.68	3.28	3.75	4.91	5.87	6.57	7.34	7.97
	40.5	2.14	2.61	2.99	3.90	4.66	5.22	5.84	6.33
	45.0	1.77	2.16	2.47	3.23	3.85	4.31	4.82	5.22
	50.0	1.43	1.75	2.00	2.61	3.11	3.48	3.90	4.22
	54.4		1.45	1.66	2.16	2.58	2.89	3.24	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	2.928542E+04	2.084309E+03	3.773825E+00	4.708310E+02
C2	1.193140E+03	-3.195036E+00	-1.816290E-03	1.204863E+01
C3	-4.729714E+02	-6.335836E+00	1.566647E-02	-2.294926E+00
C4	1.992348E+01	-2.650230E-02	1.075049E-06	2.559161E-01
C5	-1.993648E+01	1.166649E-01	2.289044E-05	5.080099E-02
C6	2.429749E+00	1.090380E+00	1.365198E-03	6.944631E-03
C7	1.415489E-01	-1.411837E-03	-6.779238E-09	2.831841E-04
C8	-2.097787E-01	4.689901E-04	-8.010574E-09	-2.715484E-03
C9	1.056334E-01	-2.200434E-03	-1.510951E-06	-5.058958E-04
C10	-8.403957E-08	1.424602E-08	3.009296E-12	-8.024900E-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