

SPECIFICATIONS OF COMPRESSOR

Model No: 3CB084SA0M

Output : 5 HP



Panasonic Appliances Compressor (Dalian) Co.,Ltd.

02/Sep/19

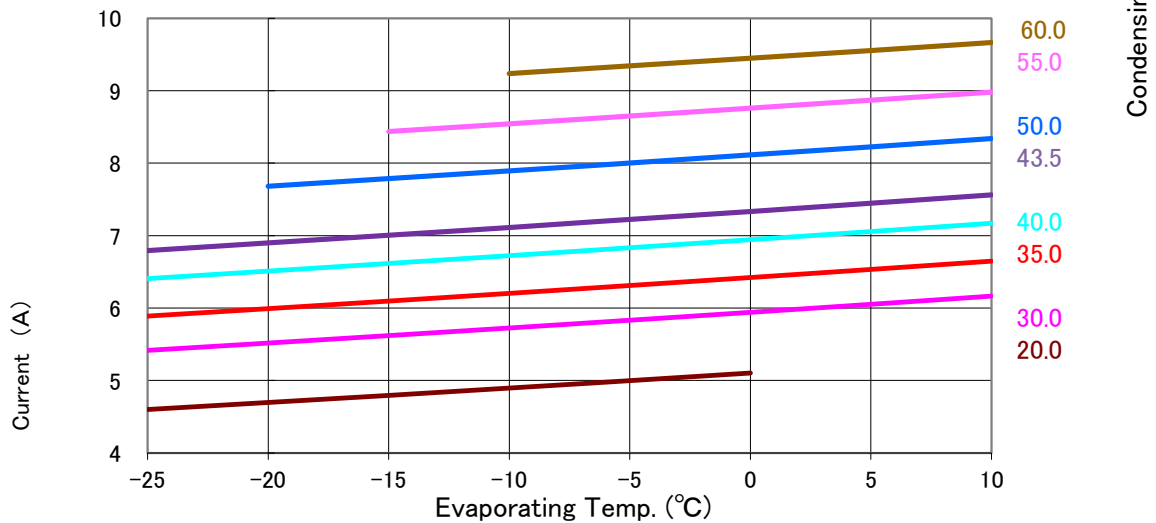
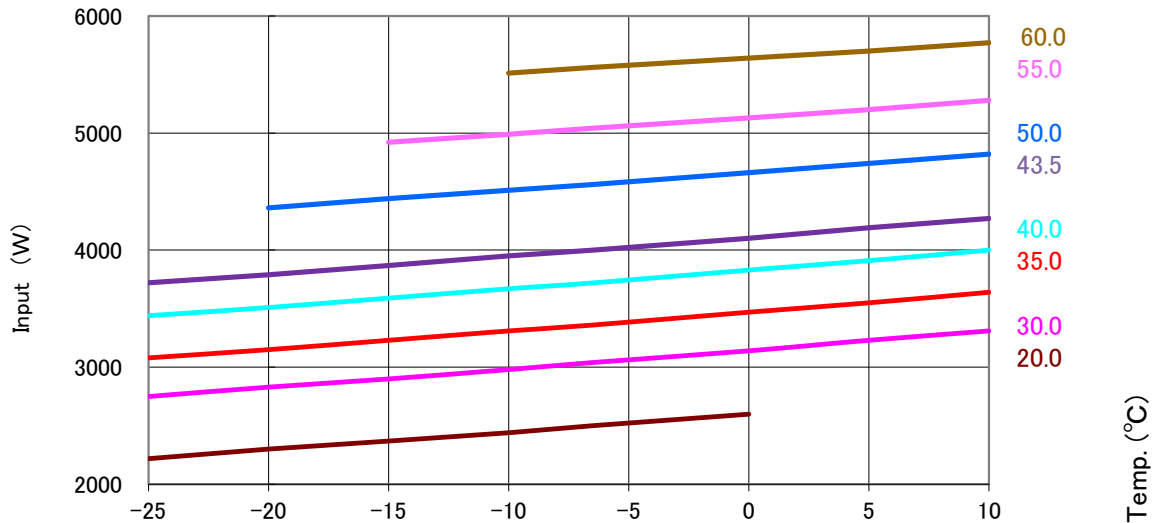
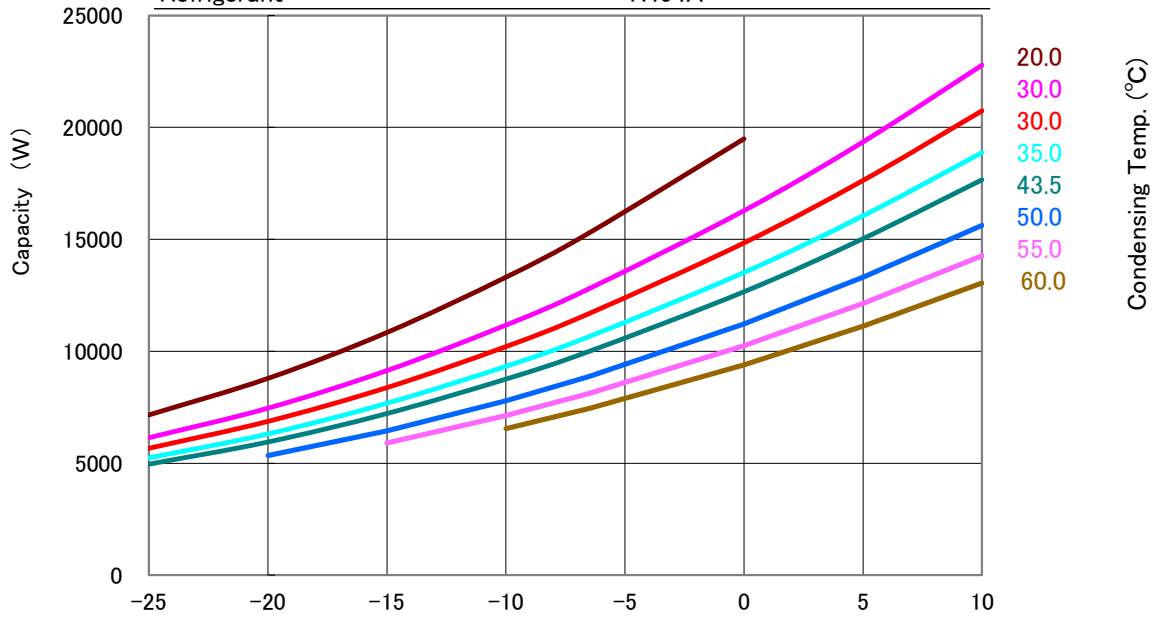
GENERAL SPECIFICATIONS

Model No:	3CB084SA0M	
Application		
Evaporating Temp Range	(°C)	-25 ~ 10
Refrigerant	R404A	
Compressor Cooling	Natural Cooling	
Rated Performance		
Capacity	(W)	10,000
Input	(W)	4,000
Current	(A)	7.2
Revolution	(min ⁻¹)	2950
Sound Level	(dB(A))	65max
Rating Conditions		
Power Source	3-PH 50Hz 380-415V	
Evaporating Temp	(°C)	-6.5
Condensing Temp	(°C)	43.5
Suction Gas Temp	(°C)	18.5
Liquid Temp	(°C)	43.5
Ambient Temp	(°C)	35.0
Measuring Point of Sound Level		
Distance from the Compressor	(m)	1.0
Compressor		
Design	Hermetic Scroll	
Displacement	(cm ³)	84.4
Suction Line Connection	(Φ mm OD)	22.22
Discharge Line Connection	(Φ mm OD)	12.7
Oil	(ml)	1700 (FV68S)
Mass(Incl.Oil)	(kg)	38
Motor		
Type	3-PH Induction Motor(3IR)	
Pole	2	
Rated Power Source	3-PH 50Hz 380-415V	
Voltage Range	(V)	342~456
Starting Current	(A)	-

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PERFORMANCE CURVE

Code No.	3CB084SA0M
Power Source	3-PH 50Hz 380-415V
Condensing Temp.(°C)	20、30、35、40、43.5、50、55、60
Suction Gas Temp.(°C)	18.5
Sub Cooled(K)	0
Compressor Cooling	Natural Cooling
Refrigerant	R404A



PERFORMANCE DATA

Code No.	3CB084SA0M
Power Source	3-PH 50Hz 380-415V
Condensing Temp.(°C)	20、30、35、40、43.5、50、55、60
Suction Gas Temp.(°C)	18.5
Sub Cooled(K)	0
Compressor Cooling	Natural Cooling
Refrigerant	R404A

Capacity (W)

		Evaporating Temp. (°C)							
		-25	-20	-15	-10	-6.5	0	5	10
Condensing Temp. (°C)	20.0	7,160	8,790	10,840	13,310	15,290	19,490		
	30.0	6,140	7,460	9,140	11,170	12,800	16,280	19,350	22,780
	35.0	5,670	6,870	8,380	10,210	11,690	14,840	17,630	20,740
	40.0	5,240	6,310	7,680	9,330	10,660	13,520	16,050	18,870
	43.5	4,960	5,950	7,220	8,760	10,000	12,660	15,030	17,660
	50.0		5,340	6,440	7,790	8,880	11,220	13,310	15,630
	55.0			5,910	7,130	8,120	10,250	12,140	14,260
	60.0				6,550	7,450	9,390	11,120	13,050

Input (W)

		Evaporating Temp. (°C)							
		-25	-20	-15	-10	-6.5	0	5	10
Condensing Temp. (°C)	20.0	2,220	2,300	2,370	2,440	2,500	2,600		
	30.0	2,750	2,830	2,900	2,980	3,040	3,140	3,230	3,310
	35.0	3,080	3,150	3,230	3,310	3,360	3,470	3,550	3,640
	40.0	3,440	3,510	3,590	3,670	3,720	3,830	3,910	4,000
	43.5	3,720	3,790	3,870	3,950	4,000	4,100	4,190	4,270
	50.0		4,360	4,440	4,510	4,560	4,660	4,740	4,820
	55.0			4,920	4,990	5,040	5,130	5,200	5,280
	60.0				5,510	5,560	5,640	5,700	5,770

Current (A)

		Evaporating Temp. (°C)							
		-25	-20	-15	-10	-6.5	0	5	10
Condensing Temp. (°C)	20.0	4.6	4.7	4.8	4.9	5.0	5.1		
	30.0	5.4	5.5	5.6	5.7	5.8	5.9	6.1	6.2
	35.0	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6
	40.0	6.4	6.5	6.6	6.7	6.8	6.9	7.1	7.2
	43.5	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.6
	50.0		7.7	7.8	7.9	8.0	8.1	8.2	8.3
	55.0			8.4	8.5	8.6	8.8	8.9	9.0
	60.0				9.2	9.3	9.4	9.6	9.7

Coefficients of Polynomial Formula

	Capacity (W)	Input (W)	Current (A)
C1	2.728289E+04	1.948142E+03	3.933316E+00
C2	9.740510E+02	1.265418E+01	1.892113E-02
C3	-4.360210E+02	1.813950E+01	4.192777E-02
C4	1.028565E+01	6.599478E-02	5.922528E-05
C5	-1.534599E+01	2.462860E-01	1.605151E-04
C6	2.298229E+00	7.221826E-01	8.333478E-04
C7	-1.387450E-03	5.882538E-04	1.147245E-07
C8	-1.105269E-01	-5.117407E-04	-5.610724E-07
C9	7.375333E-02	-3.836191E-03	-1.887539E-06
C10	-6.528857E-08	2.199627E-08	1.800340E-11

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

Operating Envelope

Refrigerant : R404A

Suction Gas Temp:18.5°C

Sub Cooled: 0 K

