

SPECIFICATIONS OF COMPRESSOR

Model No: 3CB067SA0M

Output : 4 HP



Panasonic Appliances Compressor (Dalian) Co.,Ltd.

02/Sep/19

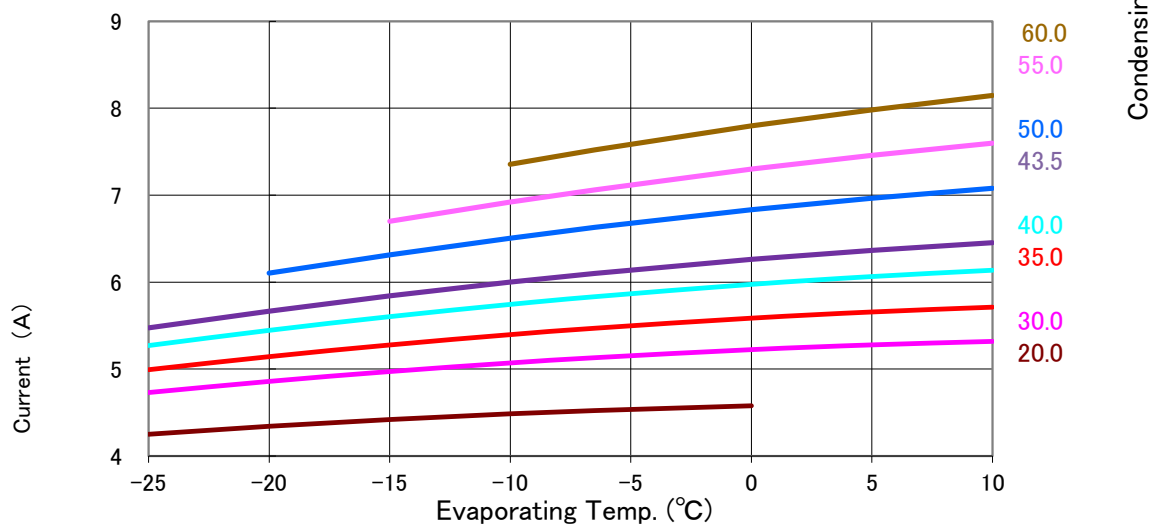
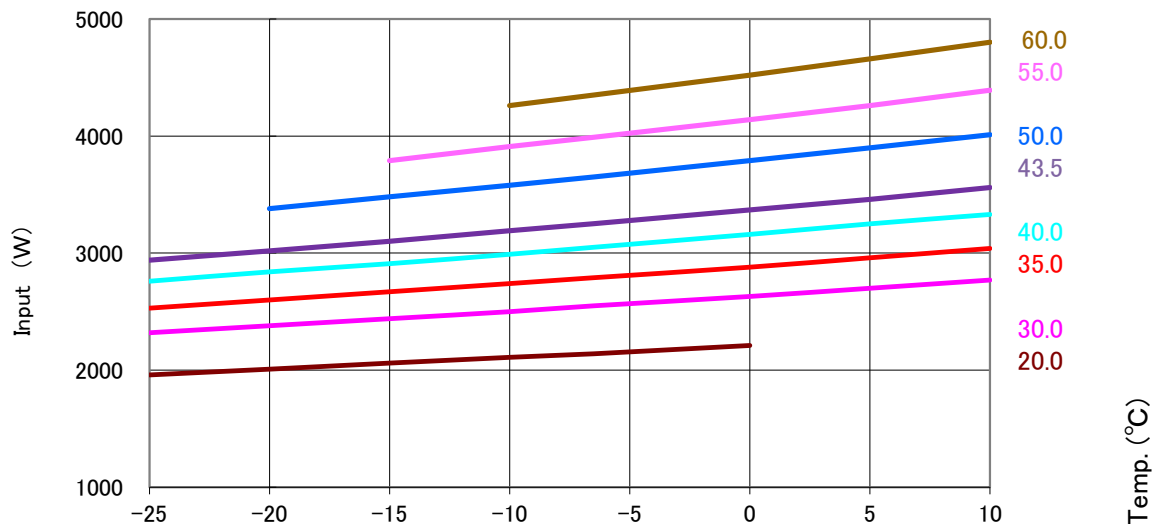
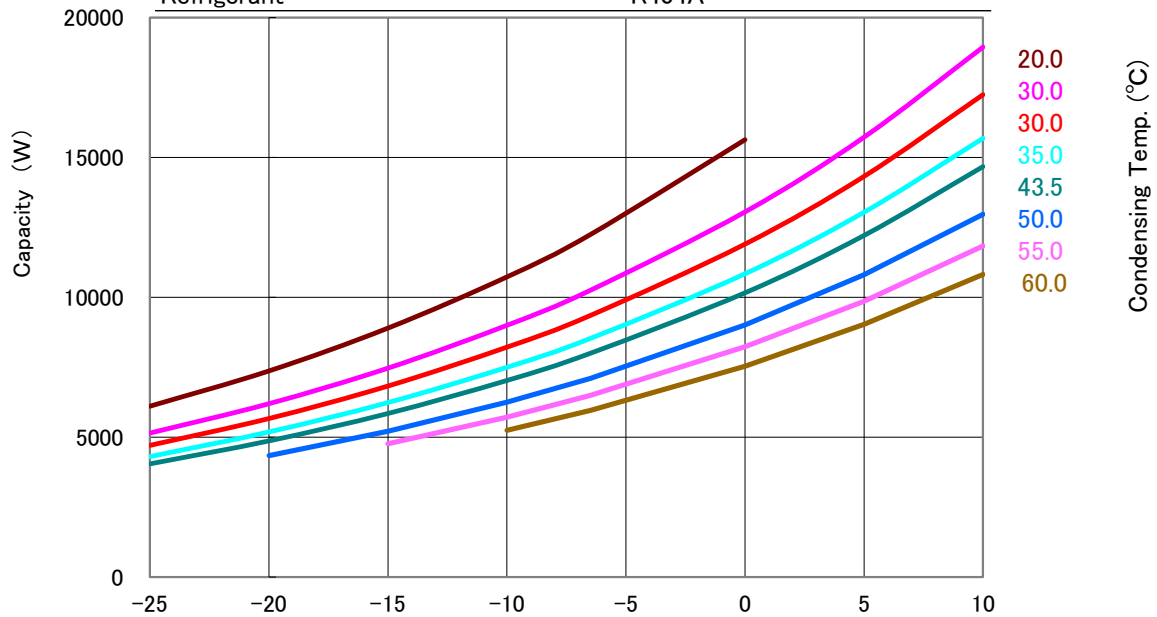
GENERAL SPECIFICATIONS

Model No:		3CB067SA0M
Application		
Evaporating Temp Range	(°C)	-25 ~ 10
Refrigerant	R404A	
Compressor Cooling	Natural Cooling	
Rated Performance		
Capacity	(W)	8,000
Input	(W)	3,250
Current	(A)	6.1
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	(cm3)	66.7
Suction Line Connection	(Φ mm OD)	22.22
Discharge Line Connection	(Φ mm OD)	12.7
Oil	(ml)	1700 (FV68S)
Mass(Incl.Oil)	(kg)	37.5
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.	3CB067SA0M
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.	3CB067SA0M
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	6,110	7,370	8,900	10,730	12,240	15,630		
	30.0	5,150	6,200	7,470	9,000	10,250	13,050	15,720	18,940
	35.0	4,710	5,670	6,830	8,220	9,350	11,900	14,320	17,240
	40.0	4,310	5,190	6,240	7,500	8,530	10,840	13,040	15,680
	43.5	4,050	4,870	5,850	7,030	8,000	10,160	12,210	14,670
	50.0		4,340	5,210	6,250	7,100	9,010	10,810	12,970
	55.0			4,770	5,720	6,490	8,230	9,860	11,830
	60.0				5,250	5,960	7,540	9,030	10,820

Input (W)

		Evaporating Temp. (°C)							
		-25	-20	-15	-10	-6.5	0	5	10
Condensing Temp. (°C)	20.0	1,960	2,010	2,060	2,110	2,140	2,210		
	30.0	2,320	2,380	2,440	2,500	2,550	2,630	2,700	2,770
	35.0	2,530	2,600	2,670	2,740	2,790	2,880	2,960	3,040
	40.0	2,760	2,840	2,910	2,990	3,050	3,160	3,250	3,330
	43.5	2,940	3,020	3,100	3,190	3,250	3,370	3,460	3,560
	50.0		3,380	3,480	3,580	3,650	3,790	3,900	4,010
	55.0			3,790	3,910	3,990	4,140	4,260	4,390
	60.0				4,260	4,350	4,520	4,660	4,800

Current (A)

		Evaporating Temp. (°C)							
		-25	-20	-15	-10	-6.5	0	5	10
Condensing Temp. (°C)	20.0	4.3	4.3	4.4	4.5	4.5	4.6		
	30.0	4.7	4.9	5.0	5.1	5.1	5.2	5.3	5.3
	35.0	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.7
	40.0	5.3	5.4	5.6	5.7	5.8	6.0	6.1	6.1
	43.5	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.5
	50.0		6.1	6.3	6.5	6.6	6.8	7.0	7.1
	55.0			6.7	6.9	7.1	7.3	7.5	7.6
	60.0				7.4	7.5	7.8	8.0	8.1

Coefficients of Polynomial Formula

	Capacity (W)	Input (W)	Current (A)
C1	2.196062E+04	1.666937E+03	3.610503E+00
C2	8.149155E+02	6.820415E+00	1.510025E-03
C3	-3.526509E+02	1.687277E+01	3.777611E-02
C4	1.252937E+01	-6.504592E-03	-1.535500E-04
C5	-1.267336E+01	9.588959E-02	9.192373E-05
C6	1.866295E+00	5.111120E-01	5.328757E-04
C7	7.575686E-02	1.623029E-04	3.750209E-09
C8	-1.250349E-01	1.363539E-03	-4.662661E-06
C9	5.901565E-02	3.962127E-03	9.042787E-06
C10	4.552951E-08	-2.190368E-08	-2.275313E-13

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℃

Sub Cooled: 0 K

