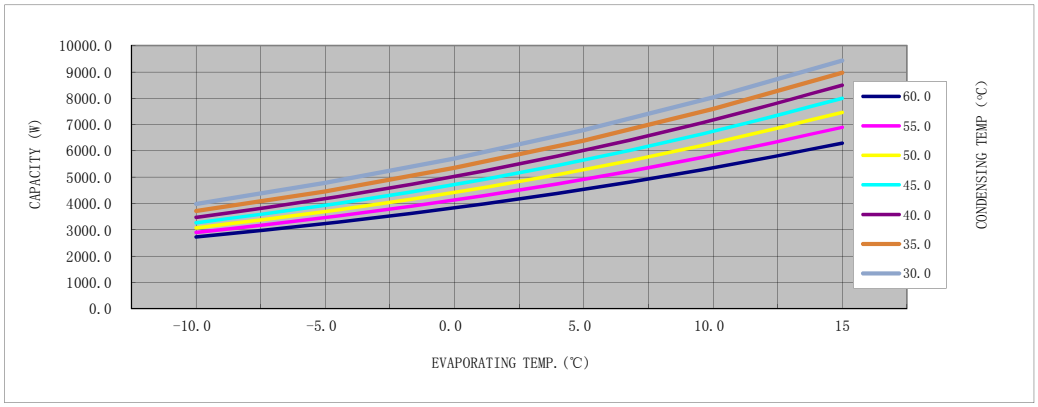
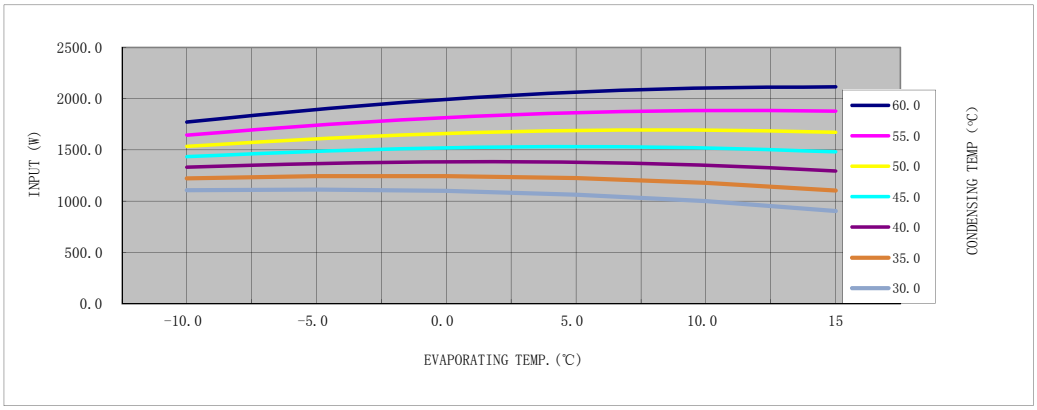
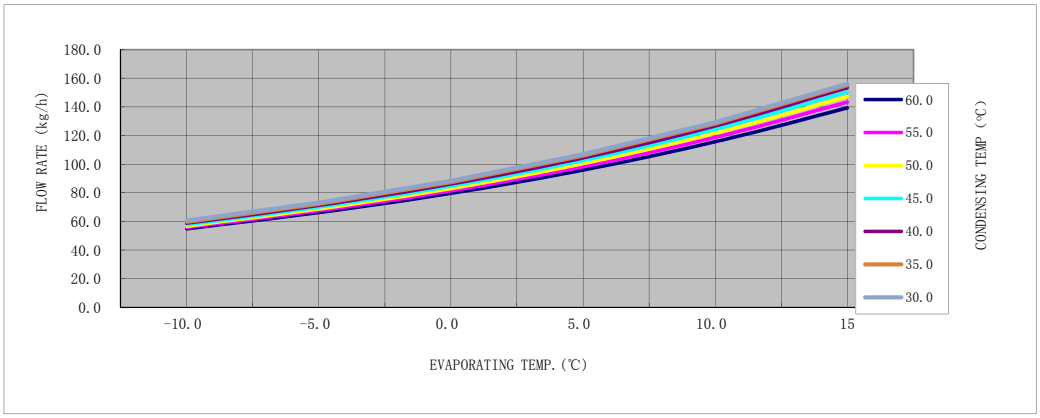
MODEL: PA215M2AS-4KU

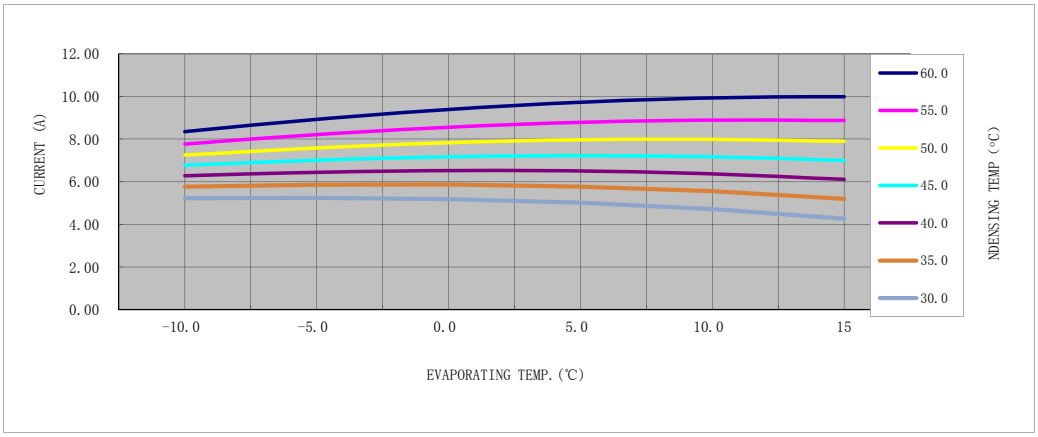
R410A 1Φ — 220 V ～ 50 Hz		
RETURN GAS TEMP.	35	℃
SUBCOOLING	8.3	℃
AMBIENT TEMP.	35	℃
RUNNING CAPACITOR	50	uF

PERFORMANCE CURVE (ASHRAE)









1、Rated condition data

Model	Displacement	Frequency	Power supply	Running capacitor	Capacity	Input power	Flow rate	Current
	cc	Hz	V	uF	W	W	kg/h	A
PA215M2AS-4KU	21.6	50	220	50	5355.0	1845.0	107.0	8.70

2、Data under different condition

Capacity(W)		Evaporating Temp.(℃)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(℃)	60.0	2720.3	3232.3	3833.0	4534.2	5350.7	6291.9
	55.0	2893.9	3461.6	4129.8	4914.1	5832.3	6894.5
	50.0	3071.1	3690.9	4422.1	5285.2	6294.7	7463.0
	45.0	3262.2	3927.6	4716.3	5650.3	6739.7	7996.7
	40.0	3469.3	4180.0	5021.3	6017.6	7171.9	8498.2
	35.0	3705.9	4459.9	5349.5	6395.3	7599.5	8973.7
	30.0	3983.6	4778.9	5710.3	6796.2	8033.5	9430.7

Input Power(W)		Evaporating Temp.(℃)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(℃)	60.0	1770.5	1894.7	1992.7	2063.3	2104.3	2114.9
	55.0	1645.3	1741.8	1814.8	1863.1	1884.7	1878.8
	50.0	1535.7	1608.5	1660.4	1689.4	1693.8	1672.0
	45.0	1433.5	1486.8	1519.9	1532.1	1520.3	1481.4
	40.0	1331.4	1367.0	1383.6	1379.5	1351.1	1294.3
	35.0	1224.0	1244.1	1245.2	1225.1	1179.0	1102.6
	30.0	1108.1	1113.6	1100.3	1063.8	1001.0	904.1

Flow Rate(kg/h)		Evaporating Temp.(℃)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(℃)	60.0	54.8	66.1	79.6	95.9	115.5	139.2
	55.0	55.7	67.3	81.3	98.2	118.6	143.3
	50.0	56.7	68.6	83.0	100.4	121.6	147.1
	45.0	57.7	69.9	84.6	102.6	124.3	150.5
	40.0	58.7	71.1	86.1	104.4	126.6	153.3
	35.0	59.7	72.2	87.4	105.9	128.3	155.2
	30.0	60.5	73.1	88.4	107.0	129.3	156.1

Current(A)		Evaporating Temp.(℃)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(℃)	60.0	8.35	8.93	9.39	9.73	9.93	9.99
	55.0	7.77	8.22	8.56	8.79	8.90	8.87
	50.0	7.25	7.59	7.83	7.97	7.99	7.90
	45.0	6.77	7.02	7.17	7.23	7.17	6.99
	40.0	6.29	6.45	6.53	6.51	6.37	6.11
	35.0	5.77	5.87	5.87	5.78	5.56	5.21
	30.0	5.22	5.25	5.19	5.02	4.73	4.27

3、Ten coefficient method

z=p1+p2*x+p3*y+p4*x^2+p5*x*y+P6*y^2+p7*x^3+p8*x^2*y+P9*x*y^2+P10*y^3

x——Evaporating Temp.(℃)； y——Condensing Temp.(℃)

	Capacity(W)	Input Power(W)	Flow Rate(kg/h)	Current(A)
P1	8.67828683E+03	-4.82596757E+02	7.87608217E+01	-2.20223809E+00
P2	2.00302272E+02	-1.93971780E+01	2.88347650E+00	-8.53183740E-02
P3	-1.36458998E+02	8.33393743E+01	8.73075836E-01	3.86941955E-01
P4	4.03523964E+00	-3.81589147E-01	7.65149904E-02	-1.80175684E-03
P5	1.16188328E+00	3.49699317E-01	3.03571018E-02	1.35945077E-03
P6	1.55102712E+00	-1.34227327E+00	-2.27880795E-02	-6.17090009E-03
P7	1.62396676E-02	-3.64038219E-03	8.26684638E-04	-1.75061823E-05
P8	-3.02001998E-02	-1.89063720E-03	-3.15337849E-04	-7.73142412E-06
P9	-3.92604334E-02	4.19482890E-03	-4.90729663E-04	2.30466603E-05
P10	-1.04385947E-02	1.06643638E-02	1.40653561E-04	4.89679113E-05