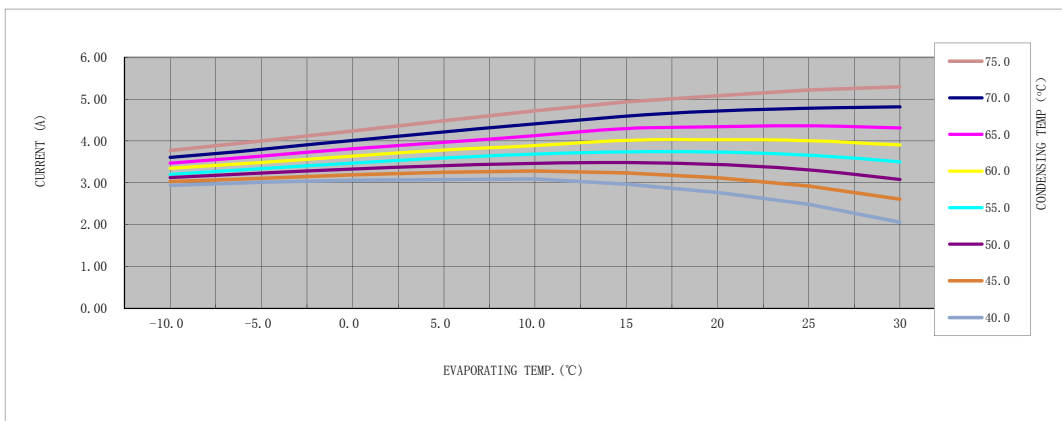
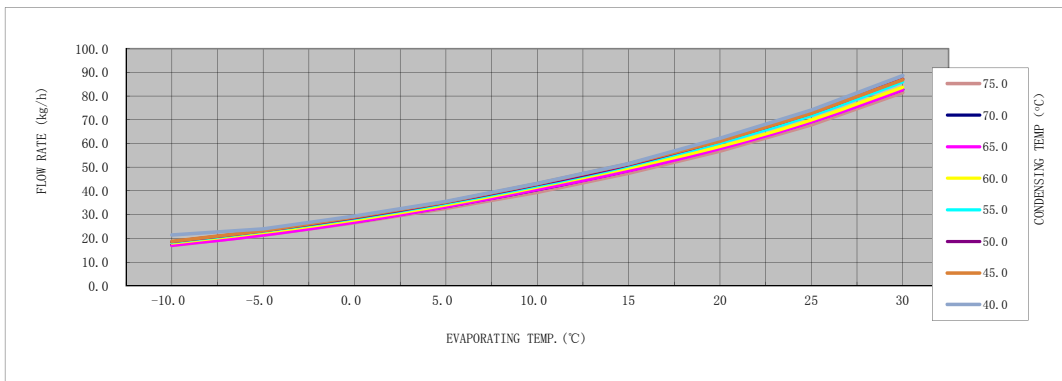
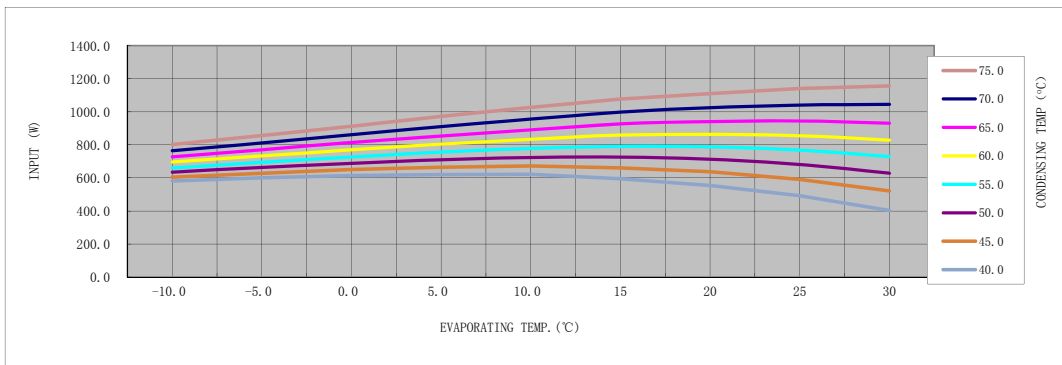
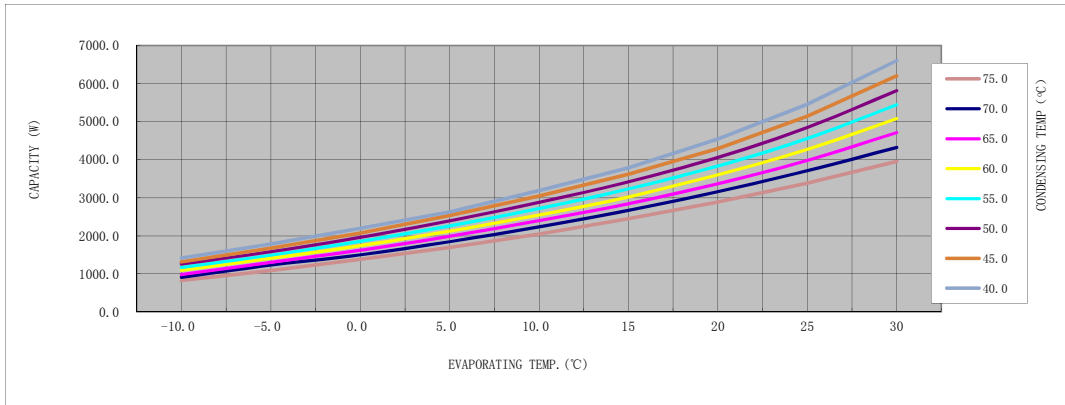


MODEL: PJ215G1C-4FT

PERFORMANCE CURVE

R134a 1Φ — 220 V ~ 50 Hz
RETURN GAS TEMP. ———— 35 °C
SUBCOOLING ———— 8.3 °C
AMBIENT TEMP. ———— 35 °C
RUNNING CAPACITOR ———— 30 μF



1、Rated condition data (ASH)

Model	Displacement	Frequency	Power supply	Running capacitor	Capacity	Input power	Flow rate	Current
	cc	Hz	V	uF	W	W	kg/h	A
PJ215G1C-4FT	21.5	50	220	30	2466.7	761.3	38.0	3.61

2、Data under different condition

Capacity(W)		Evaporating Temp.(°C)								
		-10.0	-5.0	0.0	5.0	10.0	15	20	25	30
Condensing Temp.(°C)	75.0	827.9	1088.7	1381.0	1692.3	2043.1	2448.7	2885.6	3388.0	3955.8
	70.0	909.5	1230.7	1499.4	1844.8	2239.2	2667.4	3161.8	3706.2	4324.2
	65.0	980.4	1301.5	1622.7	1987.0	2401.4	2842.8	3371.4	3979.2	4714.5
	60.0	1093.8	1411.9	1740.7	2120.1	2550.9	3021.4	3606.8	4269.9	5080.8
	55.0	1167.8	1491.4	1854.9	2260.9	2716.0	3232.2	3836.0	4556.2	5444.4
	50.0	1257.5	1581.0	1961.1	2391.9	2882.5	3416.7	4063.9	4843.8	5814.0
	45.0	1315.6	1680.6	2068.0	2532.9	3049.5	3616.2	4296.3	5140.2	6199.1
	40.0	1414.0	1786.8	2198.2	2627.9	3192.0	3786.5	4541.2	5452.2	6607.5

Input Power(W)		Evaporating Temp.(°C)								
		-10.0	-5.0	0.0	5.0	10.0	15	20	25	30
Condensing Temp.(°C)	75.0	801.2	856.1	912.8	971.5	1026.8	1076.8	1110.0	1140.3	1156.4
	70.0	764.1	810.2	862.2	908.6	955.8	997.5	1024.8	1040.2	1044.4
	65.0	728.0	770.7	813.5	854.1	890.3	926.2	940.7	944.5	930.0
	60.0	695.5	732.5	769.8	803.8	833.3	858.9	862.5	855.3	828.6
	55.0	659.7	694.9	727.7	756.4	777.9	789.5	787.8	768.9	729.1
	50.0	634.9	663.3	689.5	709.4	723.1	725.4	713.2	681.8	627.8
	45.0	604.9	628.5	650.2	664.8	671.6	660.5	636.5	590.9	520.6
	40.0	580.5	601.0	614.4	619.4	621.2	594.6	554.9	493.0	402.4

Flow Rate(kg/h)		Evaporating Temp.(°C)								
		-10.0	-5.0	0.0	5.0	10.0	15	20	25	30
Condensing Temp.(°C)	75.0	17.0	21.3	26.5	32.6	39.4	47.5	56.8	67.9	81.5
	70.0	17.3	22.4	27.1	33.4	40.5	48.6	58.3	69.3	82.8
	65.0	17.0	21.3	26.8	33.2	40.5	48.5	57.9	69.0	82.6
	60.0	18.0	22.4	27.8	34.1	41.6	49.7	58.7	70.0	83.8
	55.0	18.4	22.9	28.4	34.7	42.1	50.5	60.3	71.9	86.0
	50.0	18.6	23.1	28.7	35.1	42.6	51.0	61.2	72.9	87.2
	45.0	18.7	23.2	28.9	35.4	43.0	51.5	61.0	72.7	86.9
	40.0	21.5	23.9	29.4	35.6	43.1	51.6	62.2	74.1	88.7

Current(A)		Evaporating Temp.(°C)								
		-10.0	-5.0	0.0	5.0	10.0	15	20	25	30
Condensing Temp.(°C)	75.0	3.77	4.00	4.24	4.49	4.72	4.94	5.08	5.22	5.30
	70.0	3.61	3.80	4.01	4.22	4.41	4.59	4.72	4.78	4.81
	65.0	3.47	3.64	3.81	3.97	4.13	4.30	4.34	4.36	4.31
	60.0	3.34	3.48	3.64	3.78	3.89	4.02	4.03	4.01	3.91
	55.0	3.20	3.34	3.47	3.59	3.69	3.74	3.74	3.66	3.50
	50.0	3.13	3.23	3.33	3.41	3.47	3.48	3.44	3.31	3.08
	45.0	3.03	3.11	3.19	3.25	3.28	3.23	3.12	2.93	2.61
	40.0	2.94	3.02	3.06	3.08	3.09	2.97	2.77	2.49	2.06

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.(°C); y——Condensing Temp.(°C)

	Capacity(W)	Input Power(W)	Flow Rate(kg/h)	Current(A)
P1	3.51993635E+03	8.77122648E+01	2.57341370E+01	2.35987989E-01
P2	1.37196164E+02	-1.13635674E+01	1.00649424E+00	-6.18340806E-02
P3	-5.26399715E+01	2.12569315E+01	3.56514271E-01	1.31797516E-01
P4	4.02935771E+00	-3.81531657E-01	2.34559278E-02	-1.69572365E-03
P5	-1.10335908E+00	3.79703646E-01	5.18061779E-03	2.05421382E-03
P6	5.82372633E-01	-2.78581009E-01	-8.65200712E-03	-2.08467241E-03
P7	-3.63645967E-02	-4.43090216E-03	2.89528374E-04	-2.04265162E-05
P8	-3.05649905E-02	5.44395671E-03	-1.19803481E-04	2.57754053E-05
P9	2.35769557E-03	-1.04647561E-03	-5.03620102E-05	-8.17229781E-06
P10	-3.60684379E-03	1.89186044E-03	5.45143065E-05	1.38491991E-05