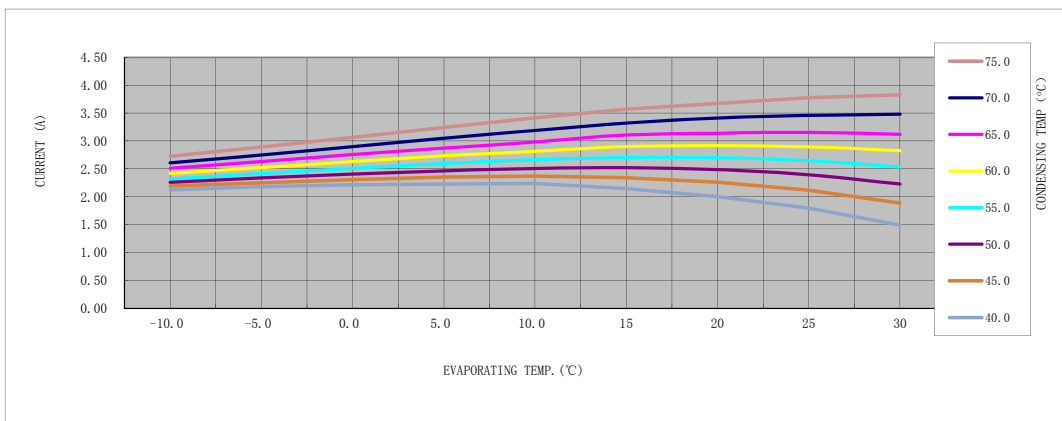
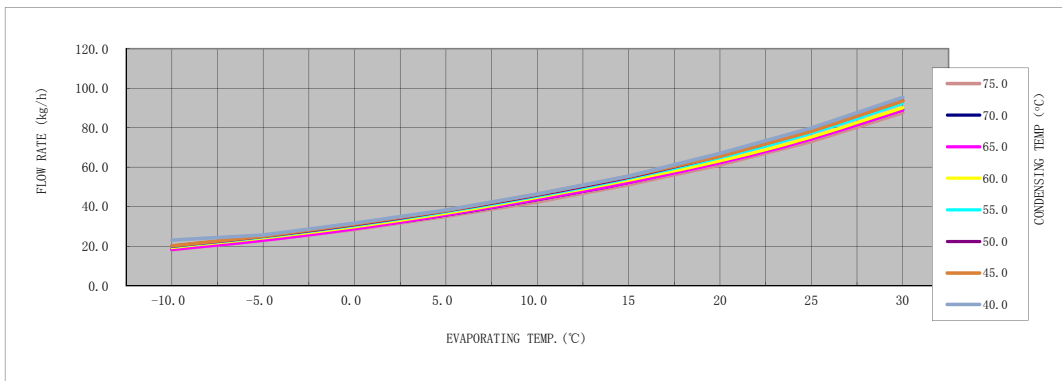
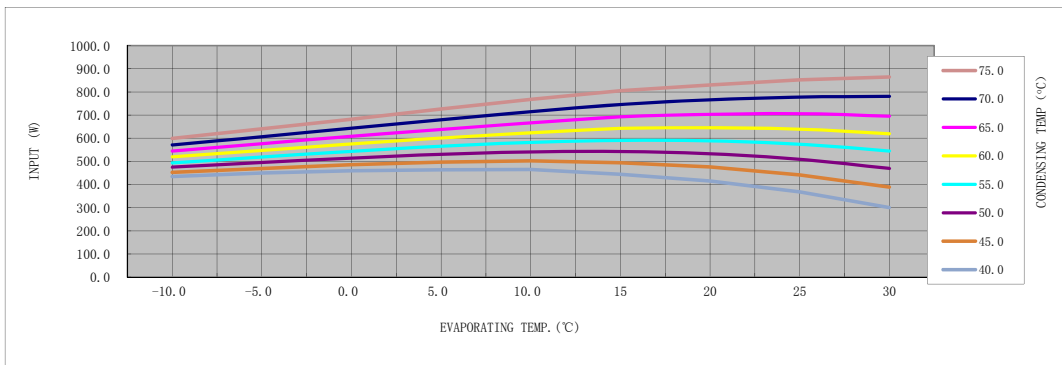
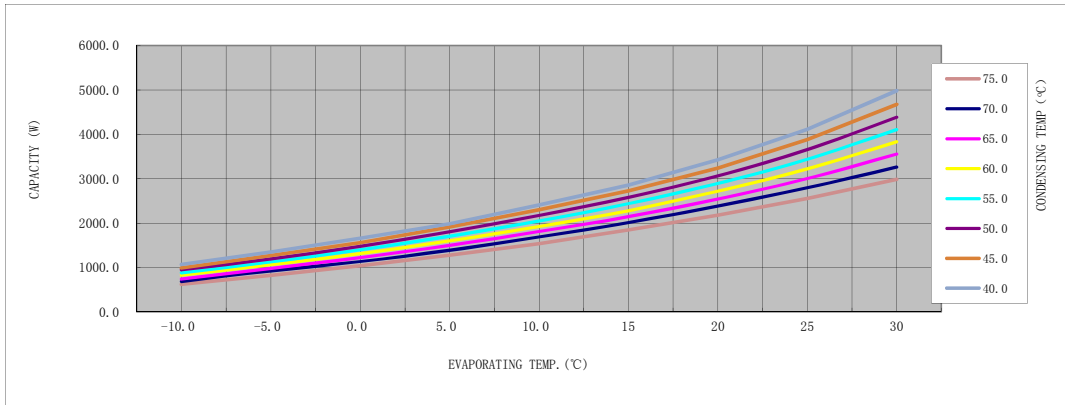


**MODEL: PJ160G1C-4DZ**

**PERFORMANCE CURVE**

R134a 1Φ — 220 V ~ 50 Hz  
RETURN GAS TEMP. — 35 °C  
SUBCOOLING — 8.3 °C  
AMBIENT TEMP. — 35 °C  
RUNNING CAPACITOR — 25 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
PJ160G1C-4DZ	16	50	220	25	1861.0	569.0	40.9	2.61

## 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	624.6	821.4	1041.9	1276.7	1541.4	1847.4	2177.1	2556.1	2984.5
	70.0	686.1	928.5	1131.2	1391.8	1689.4	2012.4	2385.4	2796.1	3262.4
	65.0	739.7	981.9	1224.3	1499.1	1811.7	2144.8	2543.6	3002.1	3556.9
	60.0	825.2	1065.2	1313.2	1599.5	1924.5	2279.5	2721.1	3221.4	3833.2
	55.0	881.1	1125.2	1399.4	1705.7	2049.1	2438.5	2894.0	3437.4	4107.5
	50.0	948.7	1192.8	1479.6	1804.6	2174.7	2577.7	3066.0	3654.4	4386.4
	45.0	992.6	1267.9	1560.2	1911.0	2300.7	2728.2	3241.3	3878.0	4676.9
	40.0	1066.8	1348.0	1658.4	1982.7	2408.2	2856.7	3426.1	4113.4	4985.0

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	598.8	639.8	682.2	726.1	767.5	804.8	829.7	852.2	864.3
	70.0	571.1	605.5	644.4	679.1	714.4	745.6	766.0	777.5	780.6
	65.0	544.1	576.0	608.0	638.3	665.4	692.2	703.1	706.0	695.1
	60.0	519.8	547.5	575.3	600.8	622.8	641.9	644.7	639.3	619.3
	55.0	493.1	519.4	543.9	565.3	581.4	590.1	588.8	574.6	544.9
	50.0	474.6	495.7	515.3	530.2	540.4	542.2	533.1	509.6	469.3
	45.0	452.1	469.7	486.0	496.9	502.0	493.7	475.7	441.6	389.1
	40.0	433.9	449.2	459.2	462.9	464.3	444.4	414.8	368.5	300.7

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	18.3	22.9	28.5	35.1	42.4	51.2	61.2	73.1	87.7
	70.0	18.7	24.1	29.1	35.9	43.6	52.3	62.7	74.6	89.1
	65.0	18.3	23.0	28.8	35.8	43.6	52.2	62.3	74.3	89.0
	60.0	19.4	24.1	29.9	36.7	44.7	53.5	63.2	75.3	90.2
	55.0	19.8	24.7	30.5	37.4	45.3	54.3	64.9	77.3	92.5
	50.0	20.0	24.9	30.9	37.8	45.9	54.9	65.9	78.5	93.9
	45.0	20.1	25.0	31.2	38.1	46.3	55.4	65.6	78.2	93.5
	40.0	23.1	25.8	31.7	38.3	46.4	55.5	67.0	79.8	95.4

Current(A)		Evaporating Temp.(°C)								
		-10.0	-5.0	0.0	5.0	10.0	15	20	25	30
Condensing Temp.(°C)	75.0	2.73	2.89	3.06	3.24	3.41	3.57	3.67	3.77	3.83
	70.0	2.61	2.75	2.90	3.05	3.19	3.32	3.41	3.46	3.48
	65.0	2.51	2.63	2.76	2.87	2.98	3.11	3.14	3.16	3.12
	60.0	2.42	2.52	2.63	2.73	2.81	2.90	2.91	2.90	2.82
	55.0	2.31	2.42	2.51	2.60	2.66	2.70	2.70	2.65	2.53
	50.0	2.26	2.34	2.41	2.46	2.51	2.52	2.49	2.39	2.23
	45.0	2.19	2.25	2.30	2.35	2.37	2.34	2.26	2.12	1.89
	40.0	2.12	2.18	2.21	2.23	2.24	2.15	2.00	1.80	1.49

## 3、Ten coefficient method

$$z = p_1 + p_2 * x + p_3 * y + p_4 * x^2 + p_5 * x * y + p_6 * y^2 + p_7 * x^3 + p_8 * x^2 * y + p_9 * x * y^2 + p_{10} * y^3$$

x——Evaporating Temp.(°C); y——Condensing Temp.(°C)

	Capacity(W)	Input Power(W)	Flow Rate(kg/h)	Current(A)
P1	2.65561339E+03	6.55566513E+01	2.76980580E+01	1.70617355E-01
P2	1.03507545E+02	-8.49319564E+00	1.08330564E+00	-4.47055264E-02
P3	-3.97141878E+01	1.58875529E+01	3.83721939E-01	9.52885087E-02
P4	3.03994596E+00	-2.85158956E-01	2.52459855E-02	-1.22599410E-03
P5	-8.32428446E-01	2.83792690E-01	5.57598073E-03	1.48517952E-03
P6	4.39370605E-01	-2.08213049E-01	-9.31229188E-03	-1.50720083E-03
P7	-2.74352432E-02	-3.31168176E-03	3.11623960E-04	-1.47682015E-05
P8	-2.30597346E-02	4.06884456E-03	-1.28946378E-04	1.86354039E-05
P9	1.77876169E-03	-7.82141893E-04	-5.42054267E-05	-5.90850340E-06
P10	-2.72118064E-03	1.41398738E-03	5.86746088E-05	1.00128558E-05