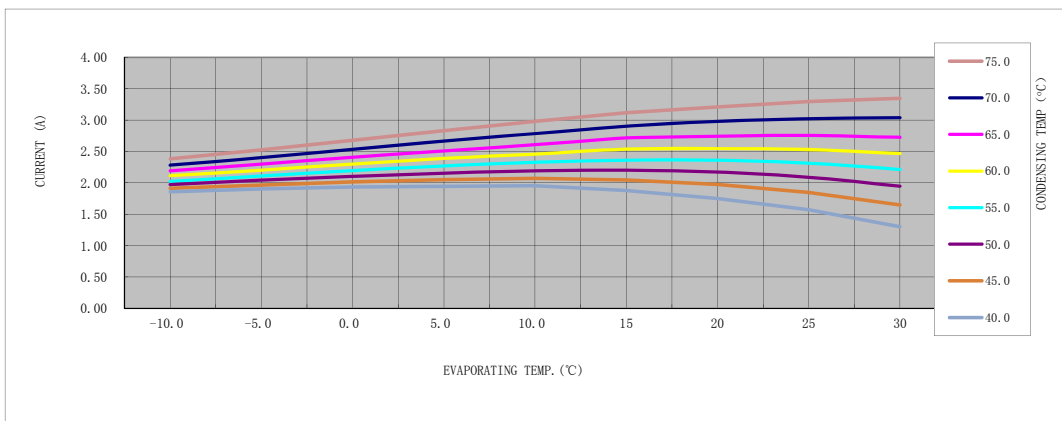
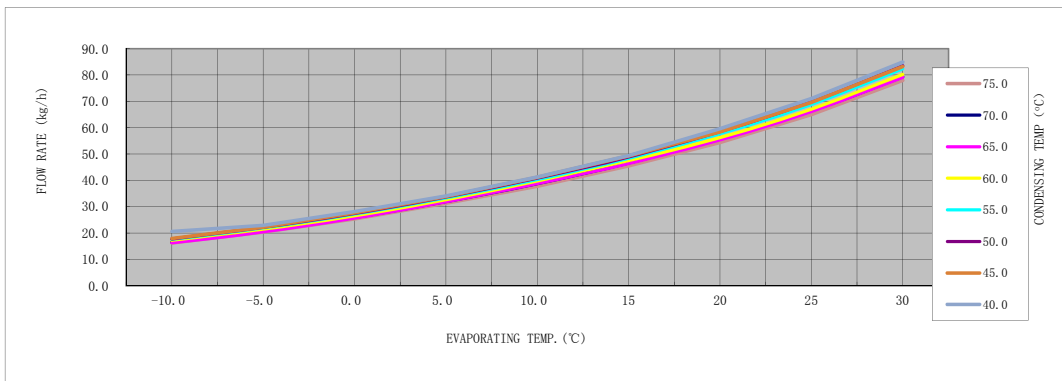
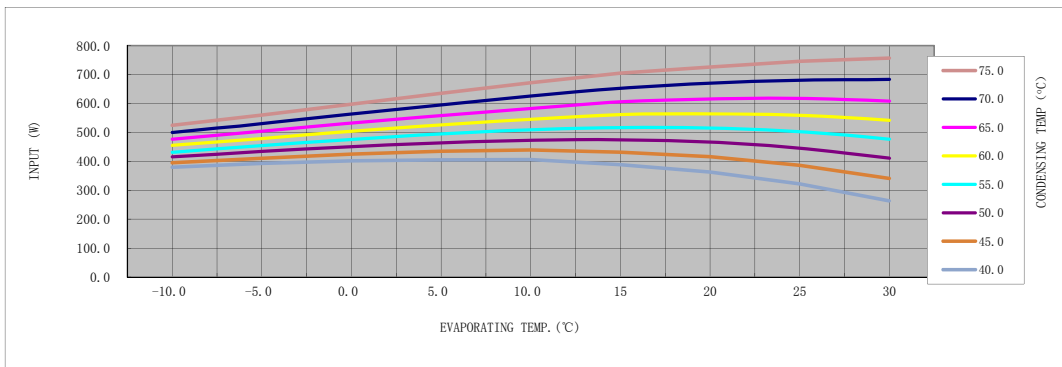
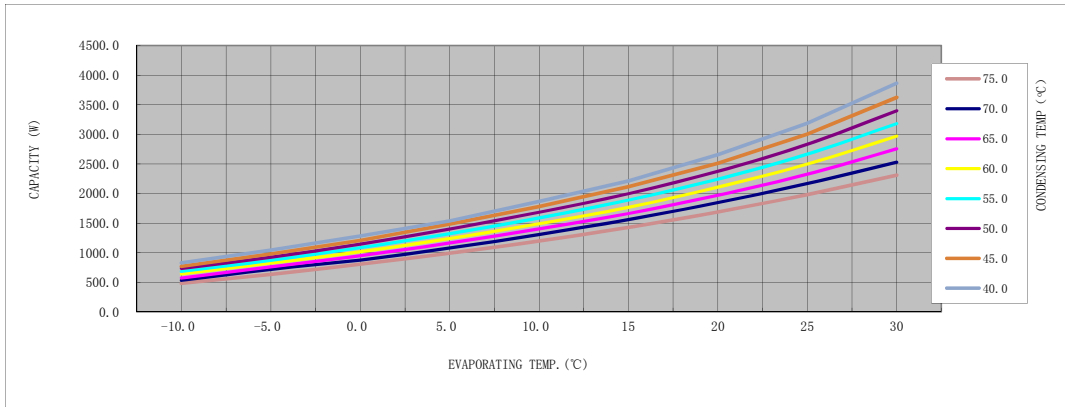


MODEL: PJ125G1C-4DZDE

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
PJ125G1C-4DZDE	12.5	50	220	25	1442.0	498.0	36.4	2.28

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	484.0	636.4	807.3	989.3	1194.3	1431.5	1686.9	1980.6	2312.5
	70.0	531.7	719.5	876.5	1078.4	1309.0	1559.3	1848.4	2166.6	2527.9
	65.0	573.1	760.8	948.6	1161.6	1403.8	1661.9	1970.9	2326.2	2756.0
	60.0	639.4	825.4	1017.6	1239.4	1491.2	1766.2	2108.5	2496.1	2970.2
	55.0	682.7	871.8	1084.4	1321.7	1587.7	1889.5	2242.5	2663.5	3182.7
	50.0	735.1	924.2	1146.5	1398.3	1685.1	1997.4	2375.7	2831.6	3398.8
	45.0	769.1	982.4	1209.0	1480.7	1782.7	2114.0	2511.6	3004.9	3623.9
40.0	826.6	1044.5	1285.0	1536.3	1866.0	2213.6	2654.7	3187.3	3862.7	

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	524.1	560.0	597.1	635.5	671.7	704.4	726.1	745.9	756.5
	70.0	499.8	530.0	564.0	594.4	625.2	652.5	670.4	680.5	683.2
	65.0	476.2	504.1	532.2	558.7	582.4	605.9	615.3	617.9	608.4
	60.0	455.0	479.1	503.5	525.8	545.1	561.8	564.2	559.5	542.1
	55.0	431.6	454.6	476.0	494.8	508.9	516.4	515.3	502.9	476.9
	50.0	415.3	433.9	451.0	464.0	473.0	474.5	466.5	446.0	410.7
	45.0	395.7	411.1	425.3	434.9	439.3	432.1	416.3	386.5	340.5
40.0	379.8	393.2	401.9	405.2	406.4	388.9	363.0	322.5	263.2	

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	16.3	20.4	25.4	31.3	37.8	45.5	54.4	65.0	78.0
	70.0	16.6	21.5	25.9	31.9	38.8	46.6	55.8	66.4	79.3
	65.0	16.3	20.4	25.7	31.8	38.8	46.4	55.4	66.1	79.2
	60.0	17.2	21.5	26.6	32.6	39.8	47.6	56.2	67.0	80.2
	55.0	17.6	21.9	27.2	33.3	40.3	48.4	57.7	68.8	82.3
	50.0	17.8	22.1	27.5	33.7	40.9	48.8	58.6	69.9	83.6
	45.0	17.9	22.3	27.7	33.9	41.2	49.3	58.4	69.6	83.3
40.0	20.6	22.9	28.2	34.1	41.3	49.4	59.6	71.0	84.9	

Current(A)		Evaporating Temp.(°C)								
		-10.0	-5.0	0.0	5.0	10.0	15	20	25	30
Condensing Temp.(°C)	75.0	2.38	2.53	2.68	2.83	2.98	3.12	3.21	3.30	3.35
	70.0	2.28	2.40	2.54	2.66	2.78	2.90	2.98	3.02	3.04
	65.0	2.19	2.30	2.41	2.51	2.61	2.71	2.74	2.76	2.72
	60.0	2.11	2.20	2.30	2.39	2.46	2.54	2.55	2.53	2.47
	55.0	2.02	2.11	2.19	2.27	2.33	2.36	2.36	2.31	2.21
	50.0	1.97	2.04	2.10	2.15	2.19	2.20	2.17	2.09	1.95
	45.0	1.91	1.96	2.01	2.05	2.07	2.04	1.97	1.85	1.65
40.0	1.86	1.90	1.93	1.94	1.95	1.88	1.75	1.57	1.30	

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	2.05770796E+03	5.73764716E+01	2.46505944E+01	1.49045046E-01
P2	8.02030519E+01	-7.43341200E+00	9.64115535E-01	-3.90531035E-02
P3	-3.07726269E+01	1.39050990E+01	3.41503144E-01	8.32405363E-02
P4	2.35550890E+00	-2.49576731E-01	2.24683098E-02	-1.07098336E-03
P5	-6.45009037E-01	2.48380948E-01	4.96248652E-03	1.29739820E-03
P6	3.40447293E-01	-1.82232158E-01	-8.28771209E-03	-1.31663521E-03
P7	-2.12582594E-02	-2.89844907E-03	2.77337705E-04	-1.29009576E-05
P8	-1.78678868E-02	3.56113285E-03	-1.14759123E-04	1.62792034E-05
P9	1.37827746E-03	-6.84545980E-04	-4.82415045E-05	-5.16145125E-06
P10	-2.10851289E-03	1.23754958E-03	5.22189673E-05	8.74686257E-06