

MODEL: PG330G2C-7KTS

R407C 1Φ - 230 V ~ 50 Hz

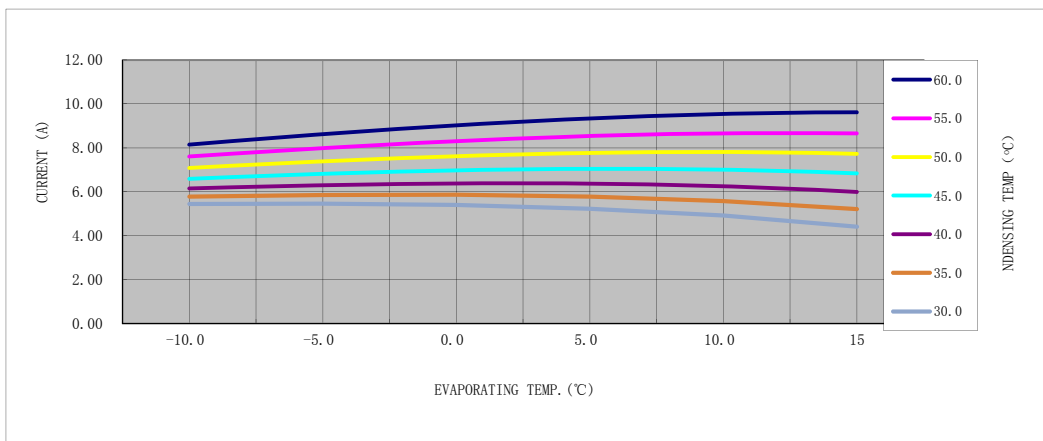
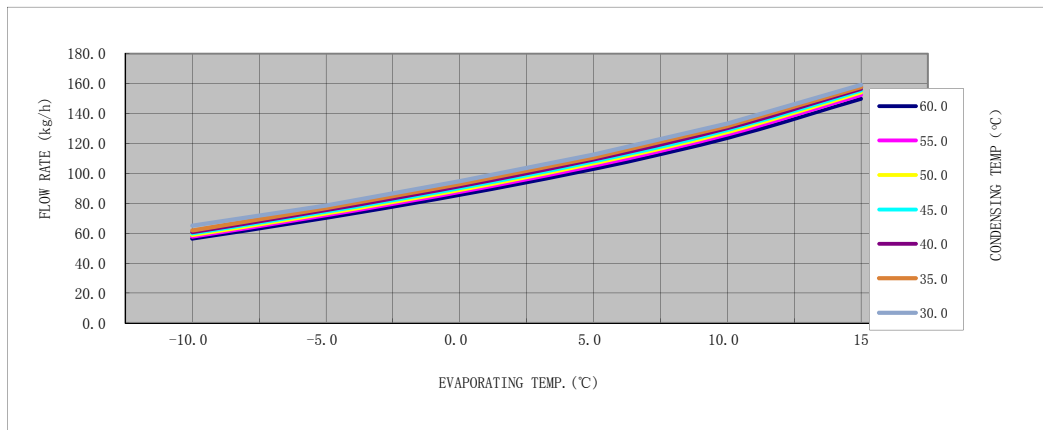
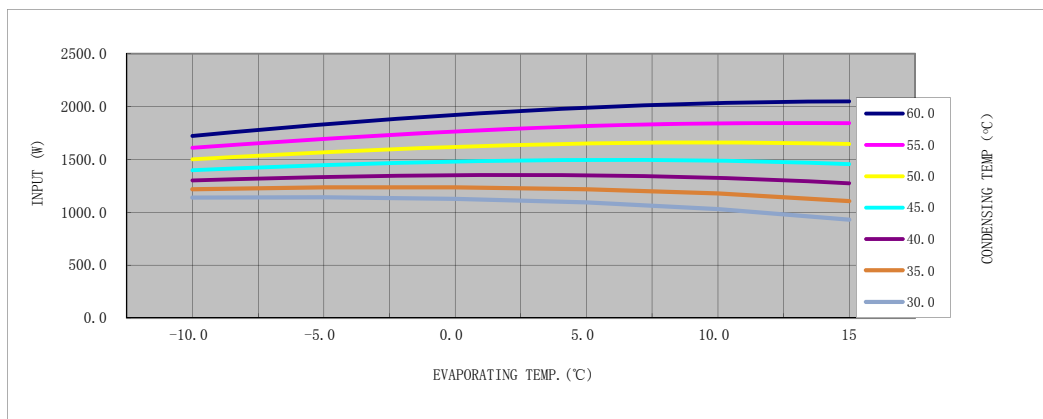
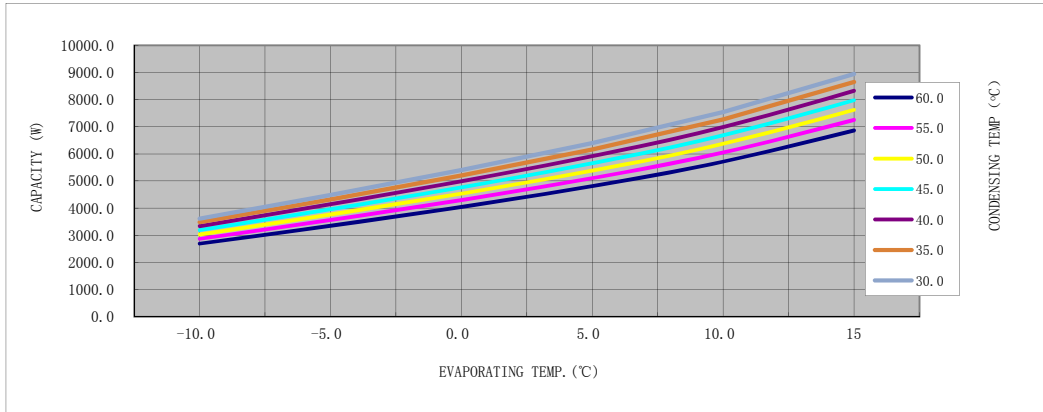
RETURN GAS TEMP. — 35 °C

SUBCOOLING — ### °C

AMBIENT TEMP. — 35 °C

RUNNING CAPACITOR — 55 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
PG330G2C-7KTS	32.8	50	230	55	5590.0	1805.0	115.0	8.50

2、Data under different condition

Capacity(W)		Evaporating Temp.(°C)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(°C)	60.0	2693.1	3347.9	4044.8	4811.4	5712.3	6863.4
	55.0	2870.2	3562.6	4298.0	5103.9	6047.2	7251.9
	50.0	3034.6	3765.0	4537.7	5381.5	6369.3	7621.3
	45.0	3190.7	3958.6	4768.4	5651.6	6681.0	7978.7
	40.0	3339.5	4145.0	4992.6	5915.5	6983.1	8323.1
	35.0	3479.4	4320.3	5207.8	6165.9	7269.2	8646.5
	30.0	3609.4	4486.0	5409.9	6401.9	7536.8	8948.5

Input Power(W)		Evaporating Temp.(°C)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(°C)	60.0	1722.5	1830.7	1920.4	1988.8	2032.6	2049.7
	55.0	1608.8	1695.0	1764.0	1814.6	1841.6	1843.4
	50.0	1499.7	1566.6	1617.8	1650.0	1660.0	1645.0
	45.0	1396.4	1445.9	1479.8	1494.9	1488.5	1456.0
	40.0	1301.7	1333.0	1350.4	1349.3	1325.8	1274.2
	35.0	1217.6	1234.3	1235.8	1218.1	1176.7	1105.1
	30.0	1137.8	1141.1	1127.5	1093.0	1030.9	931.1

Flow Rate(kg/h)		Evaporating Temp.(°C)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(°C)	60.0	56.3	70.3	85.6	103.0	123.6	149.8
	55.0	57.7	71.9	87.5	105.1	125.9	152.4
	50.0	58.8	73.1	88.9	106.6	127.6	154.1
	45.0	59.7	74.3	90.1	107.9	128.9	155.3
	40.0	60.7	75.4	91.4	109.2	130.2	156.4
	35.0	61.9	76.7	92.8	110.7	131.6	157.6
	30.0	65.0	78.4	94.7	112.6	133.4	159.2

Current(A)		Evaporating Temp.(°C)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(°C)	60.0	8.14	8.62	9.03	9.34	9.54	9.61
	55.0	7.60	7.99	8.30	8.54	8.66	8.66
	50.0	7.08	7.38	7.62	7.77	7.81	7.73
	45.0	6.59	6.81	6.97	7.04	7.01	6.84
	40.0	6.15	6.29	6.38	6.37	6.25	5.99
	35.0	5.77	5.85	5.86	5.78	5.57	5.21
	30.0	5.44	5.46	5.40	5.23	4.92	4.41

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	6.30541209E+03	6.58654326E+02	1.33549196E+02	4.13776243E+00
P2	2.23092626E+02	-2.50410974E+01	2.87509595E+00	-1.24611097E-01
P3	-2.10483972E+01	1.01080470E+01	-2.42338227E+00	-1.17515763E-02
P4	1.98362035E+00	-4.55008692E-01	3.82972699E-02	-2.59207928E-03
P5	-1.02830198E+00	6.54419551E-01	2.16786396E-02	3.45822257E-03
P6	-3.34159943E-01	1.83391938E-01	4.81985795E-02	2.01257781E-03
P7	9.83848080E-02	-5.48322843E-03	1.68986978E-03	-3.42606109E-05
P8	-5.36909461E-03	1.33072520E-03	1.36116588E-04	1.66126450E-05
P9	-5.55249361E-03	4.36473853E-04	-2.68485218E-04	-2.96563103E-06
P10	9.23867581E-04	-3.55491407E-05	-3.52784094E-04	-7.69952981E-06