

MODEL: PA290G2CS-4MU1

PERFORMANCE CURVE

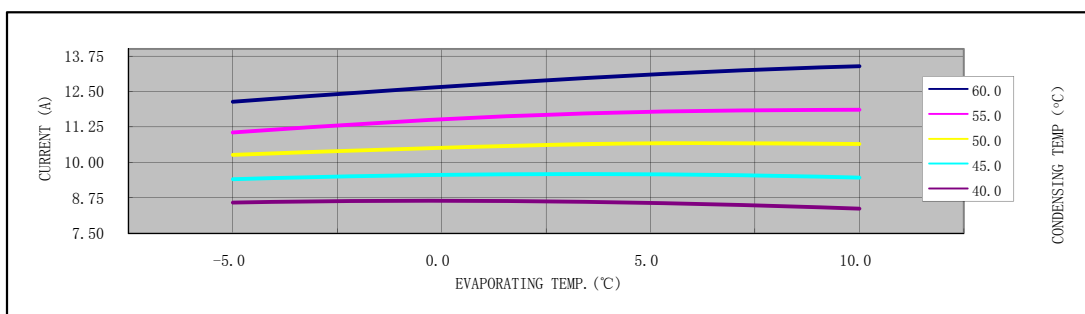
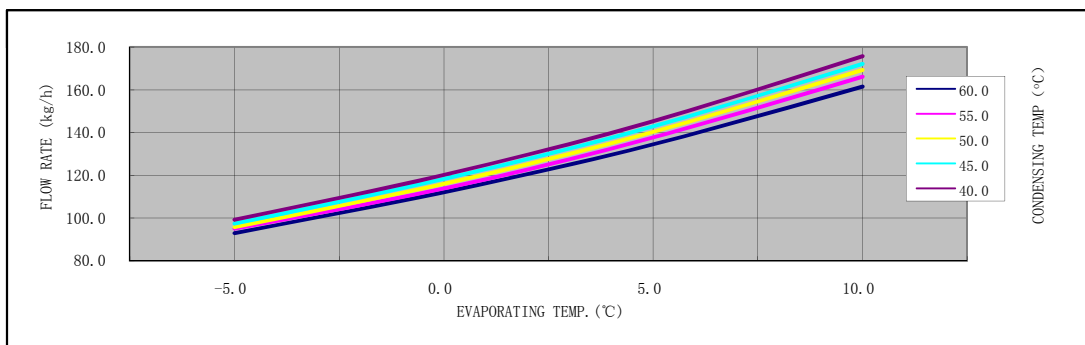
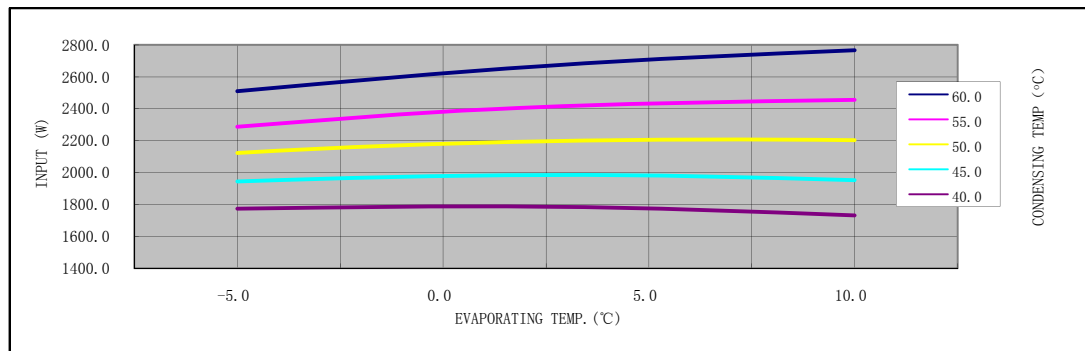
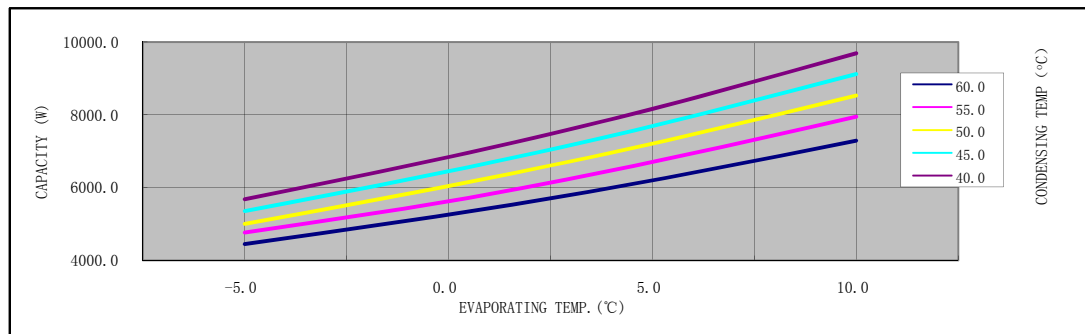
R410A 1Φ — 220 V ~ 50 Hz

RETURN GAS TEMP. — 35 °C

SUBCOOLING — 8.3 °C

AMBIENT TEMP. — 35 °C

RUNNING CAPACITOR — 50 μF



1、Rated condition data

Model	Displacement	Frequency	Power supply	Running capacitor	Capacity	Input power	Flow rate	Running speed	Current
	cc	Hz	V	uF	W	W	kg/h	rpm	A
PA290G2CS-	28.7	50	220	50	7295.0	2410.0	149.9	2896	11.65

2、Data under different condition

Capacity(W)		Evaporating Temp.(℃)			
		-5.0	0.0	5.0	10.0
Condensing Temp.(℃)	60.0	4444.9	5256.9	6195.2	7290.0
	55.0	4763.7	5621.8	6701.3	7947.6
	50.0	4997.6	6040.2	7205.1	8531.5
	45.0	5352.4	6446.1	7688.6	9118.0
	40.0	5675.7	6834.7	8159.3	9690.5

Input Power(W)		Evaporating Temp.(℃)			
		-5.0	0.0	5.0	10.0
Condensing Temp.(℃)	60.0	2509.8	2621.7	2707.8	2766.3
	55.0	2287.7	2381.7	2432.7	2455.8
	50.0	2122.2	2181.5	2206.0	2204.3
	45.0	1944.7	1977.7	1981.1	1953.2
	40.0	1772.6	1786.2	1773.6	1731.1

Flow Rate(kg/h)		Evaporating Temp.(℃)			
		-5.0	0.0	5.0	10.0
Condensing Temp.(℃)	60.0	93.0	112.2	134.5	161.6
	55.0	95.0	113.8	137.7	166.1
	50.0	95.9	116.1	140.4	169.3
	45.0	97.5	118.3	142.9	172.1
	40.0	99.3	120.2	145.3	175.7

Current(A)		Evaporating Temp.(℃)			
		-5.0	0.0	5.0	10.0
Condensing Temp.(℃)	60.0	12.14	12.66	13.10	13.39
	55.0	11.06	11.52	11.79	11.86
	50.0	10.27	10.52	10.68	10.65
	45.0	9.40	9.56	9.58	9.46
	40.0	8.58	8.65	8.57	8.37