

# MODEL: PH420G2CS-4KU1

R22 1Φ — 220 V ~ 50 Hz

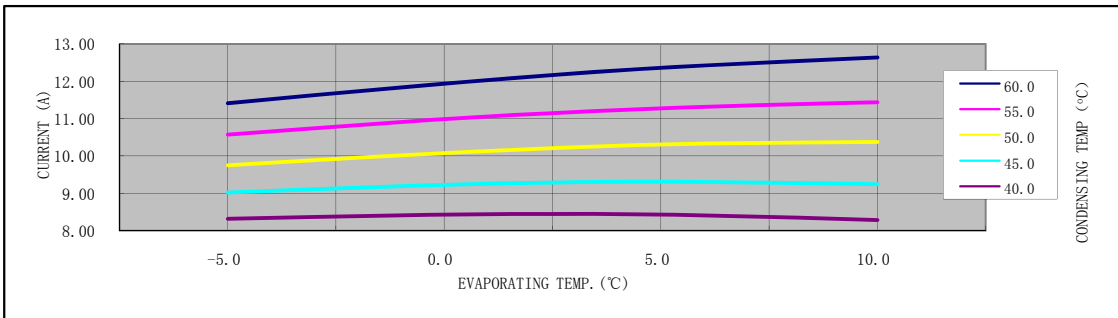
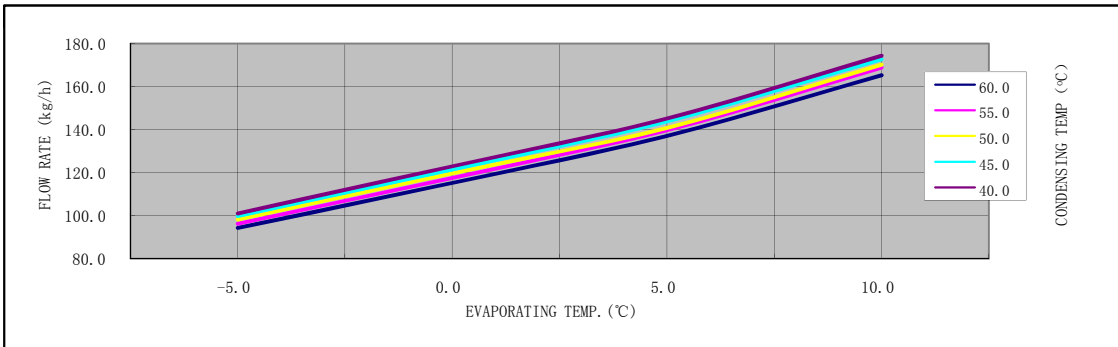
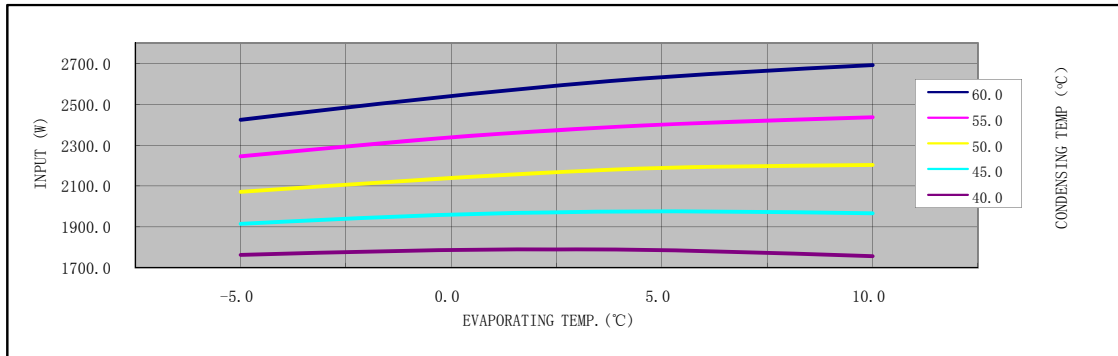
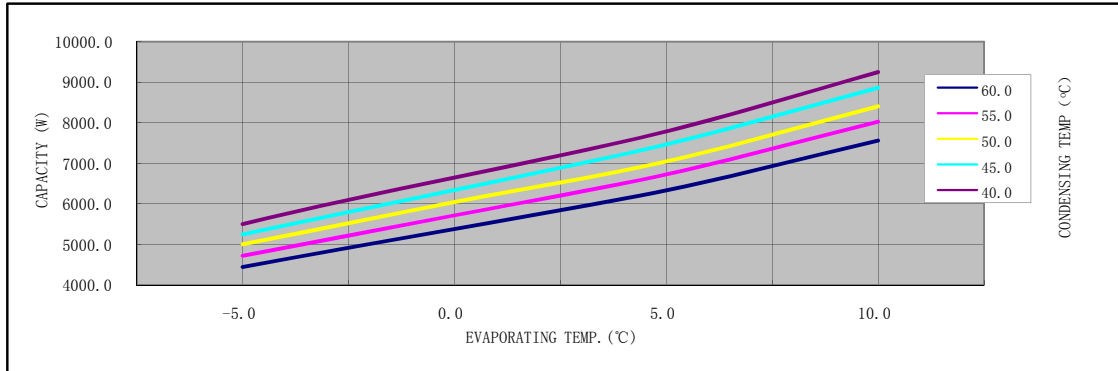
RETURN GAS TEMP. — 35 °C

SUBCOOLING — 8.3 °C

AMBIENT TEMP. — 35 °C

RUNNING CAPACITOR — 50 μF

## PERFORMANCE CURVE



## 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
PH420G2CS-	42.3	50	220	50	7420.0	2390.0	154.3	2898	11.25

## 2、Data under different condition

Capacity(W)		Evaporating Temp.(°C)			
		-5.0	0.0	5.0	10.0
Condensing Temp.(°C)	60.0	4443.2	5381.0	6330.9	7556.4
	55.0	4723.1	5719.0	6725.8	8021.9
	50.0	5001.2	6042.2	7041.3	8400.5
	45.0	5250.1	6346.3	7466.9	8863.6
	40.0	5499.1	6642.1	7784.1	9248.0

Input Power(W)		Evaporating Temp.(°C)			
		-5.0	0.0	5.0	10.0
Condensing Temp.(°C)	60.0	2423.7	2540.6	2633.2	2692.1
	55.0	2244.4	2337.3	2399.5	2435.7
	50.0	2071.0	2139.3	2188.3	2203.0
	45.0	1913.9	1959.7	1976.3	1965.5
	40.0	1762.8	1786.2	1785.6	1756.3

Flow Rate(kg/h)		Evaporating Temp.(°C)			
		-5.0	0.0	5.0	10.0
Condensing Temp.(°C)	60.0	94.3	115.2	137.1	165.2
	55.0	96.3	117.6	139.7	168.8
	50.0	98.2	119.7	140.7	170.1
	45.0	99.8	121.4	143.8	172.7
	40.0	101.0	122.9	145.2	174.3

Current(A)		Evaporating Temp.(°C)			
		-5.0	0.0	5.0	10.0
Condensing Temp.(°C)	60.0	11.41	11.93	12.36	12.63
	55.0	10.57	10.99	11.28	11.44
	50.0	9.75	10.08	10.31	10.37
	45.0	9.02	9.23	9.31	9.25
	40.0	8.32	8.43	8.43	8.29