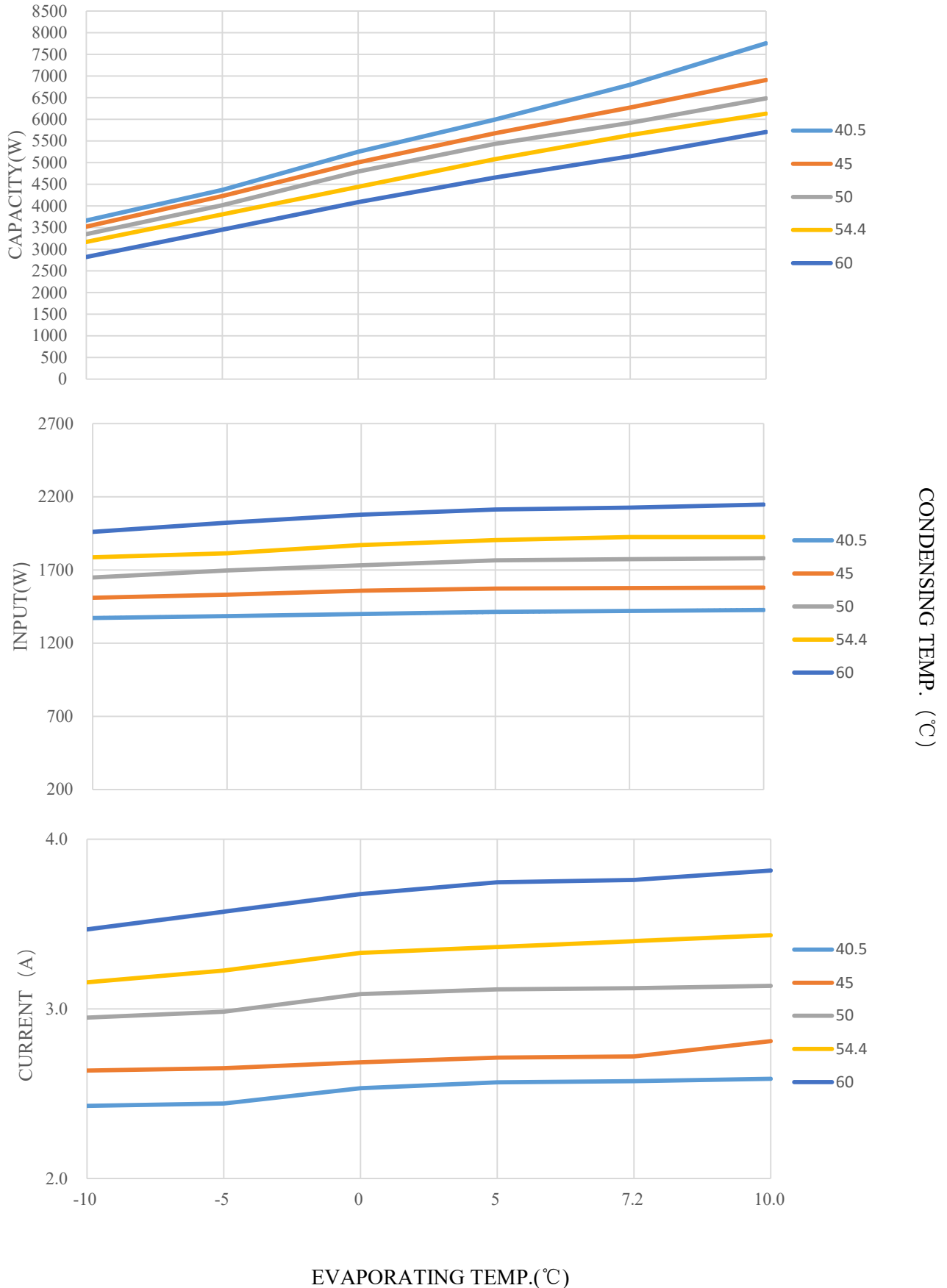


## C-2RN163H8W PERFORMANCE CURVE

RETURN GAS SUPERHEATED (C°)	35
LIQUID TEMPRETURE (C°)	46.1
AMBIENT (C°)	35
REFRIGERANT	R407C
COMPRESSOR REVOLUSION	50Hz 400V



## C-2RN163H8W PERFFPMANCE DATA

Refrigerant: R407C

### 1. Rated condition data

Model	Displacement	Frequency	Power suppl	Capacity	Input power	Current
	cc	Hz	V	W	W	A
C-2RN163H8W	34.2cc	50	400	5640	1925	3.40

### 2. Data under different condition

Capacity (W)		Evaporating Temp. (°C)					
		-10	-5	0	5	7.2	10
Condensing Temp. (°C)	40.5	3666	4371	5252	5993	6803	7755
	45	3525	4230	5006	5675	6275	6909
	50	3349	4019	4794	5429	5922	6486
	54.4	3173	3807	4442	5076	5640	6134
	60	2820	3455	4089	4653	5147	5711

Input (W)		Evaporating Temp. (°C)					
		-10	-5	0	5	7.2	10
Condensing Temp. (°C)	40.5	1371	1385	1399	1413	1420	1426
	45	1510	1530	1558	1572	1575	1579
	50	1648	1696	1731	1766	1773	1780
	54.4	1787	1814	1870	1904	1925	1925
	60	1960	2022	2077	2112	2126	2147

Current (A)		Evaporating Temp. (°C)					
		-10	-5	0	5	7.2	10
Condensing Temp. (°C)	40.5	2.43	2.44	2.53	2.57	2.57	2.59
	45	2.64	2.65	2.69	2.71	2.72	2.81
	50	2.95	2.98	3.09	3.12	3.12	3.14
	54.4	3.16	3.23	3.33	3.37	3.40	3.43
	60	3.47	3.57	3.68	3.75	3.76	3.82

### 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)	Current (A)
P1	2.20E+04	-1.16E+03	1.25E+01
P2	-9.50E+02	1.07E+02	-6.84E-01
P3	6.82E+02	-2.00E+01	5.88E-02
P4	1.81E+01	-1.50E+00	1.46E-02
P5	-1.94E+01	7.22E-01	-2.39E-03
P6	1.02E+01	2.86E-01	1.05E-03
P7	-1.21E-01	1.01E-02	-9.44E-05
P8	1.66E-01	-3.73E-03	2.85E-05
P9	-1.45E-01	-8.22E-03	-2.28E-05
P10	2.84E-01	-7.99E-03	-7.71E-06