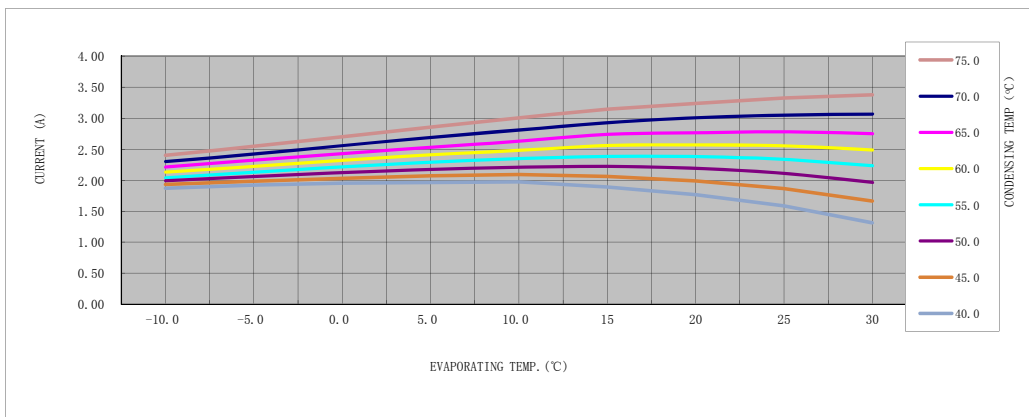
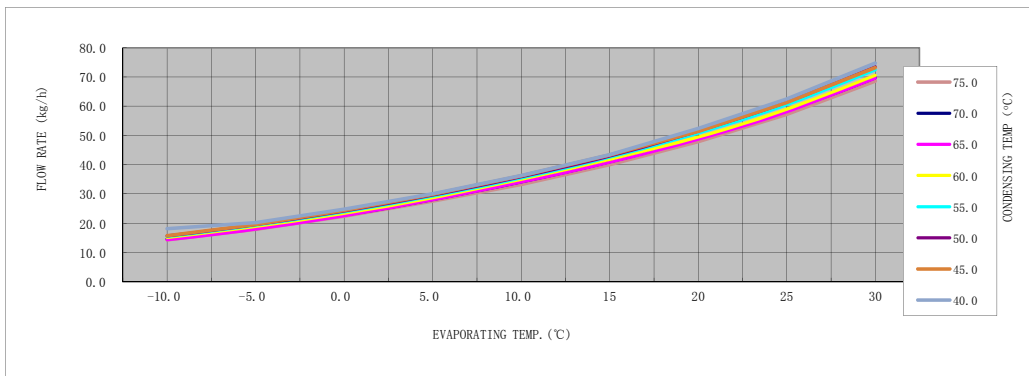
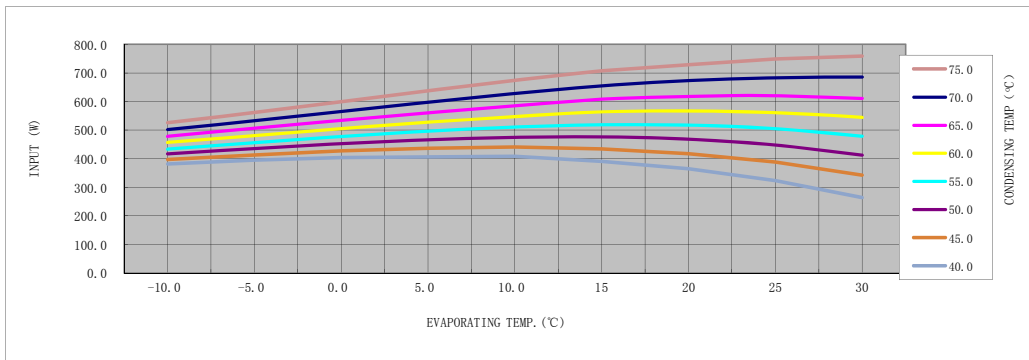
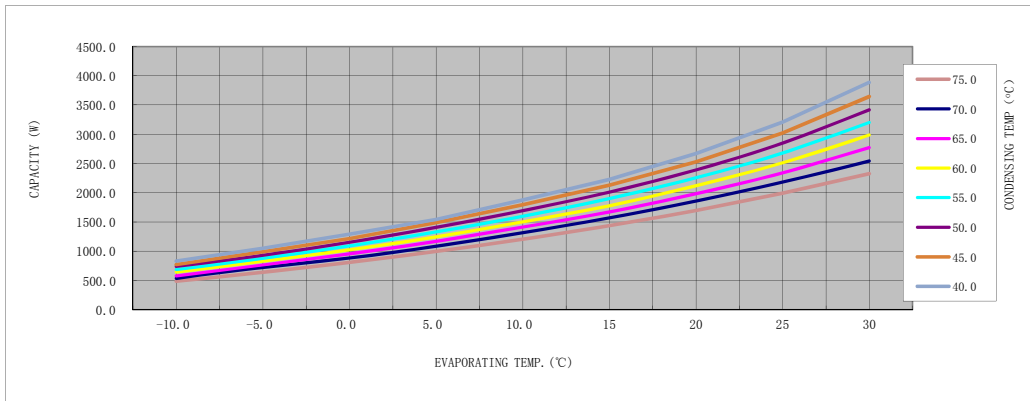


**MODEL: RJSM125V1WFZ**

R134a 1c - 220 V ~ 50 Hz  
RETURN GAS TEMP. — 35 °C  
SUBCOOLING — 8.3 °C  
AMBIENT TEMP. — 35 °C  
RUNNING CAPACITOR — 20 uF

**PERFORMANCE CURVE**



## 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
RJSM125V1WFZ	12.5	50	220	20	1450.0	500.0	32.0	2.30

## 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	486.7	640.0	811.8	994.8	1201.0	1439.4	1696.3	1991.6	2325.3
	70.0	534.6	723.5	881.4	1084.4	1316.3	1568.0	1858.6	2178.6	2541.9
	65.0	576.3	765.0	953.9	1168.0	1411.6	1671.1	1981.8	2339.1	2771.3
	60.0	642.9	830.0	1023.2	1246.3	1499.5	1776.0	2120.2	2510.0	2986.7
	55.0	686.5	876.7	1090.4	1329.0	1596.5	1900.0	2254.9	2678.3	3200.4
	50.0	739.2	929.4	1152.8	1406.0	1694.4	2008.4	2388.9	2847.3	3417.7
	45.0	773.4	987.9	1215.7	1488.9	1792.6	2125.7	2525.5	3021.6	3644.0
	40.0	831.2	1050.3	1292.2	1544.8	1876.4	2225.8	2669.5	3205.0	3884.1

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	526.2	562.2	599.5	638.1	674.4	707.2	729.0	748.9	759.5
	70.0	501.8	532.1	566.3	596.8	627.7	655.2	673.1	683.2	685.9
	65.0	478.1	506.2	534.3	560.9	584.7	608.3	617.8	620.3	610.8
	60.0	456.8	481.1	505.6	527.9	547.3	564.1	566.5	561.7	544.2
	55.0	433.3	456.4	477.9	496.8	510.9	518.5	517.4	505.0	478.8
	50.0	417.0	435.6	452.8	465.9	474.9	476.4	468.4	447.8	412.3
	45.0	397.3	412.8	427.0	436.6	441.1	433.8	418.0	388.1	341.9
	40.0	381.3	394.7	403.5	406.8	408.0	390.5	364.5	323.8	264.3

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	14.3	17.9	22.3	27.5	33.2	40.0	47.8	57.2	68.6
	70.0	14.6	18.9	22.8	28.1	34.1	40.9	49.1	58.4	69.7
	65.0	14.3	18.0	22.6	28.0	34.1	40.8	48.7	58.1	69.6
	60.0	15.1	18.9	23.4	28.7	35.0	41.8	49.4	58.9	70.5
	55.0	15.5	19.3	23.9	29.3	35.5	42.5	50.8	60.5	72.4
	50.0	15.6	19.5	24.2	29.6	35.9	42.9	51.5	61.4	73.5
	45.0	15.7	19.6	24.4	29.8	36.2	43.3	51.4	61.2	73.2
	40.0	18.1	20.2	24.8	30.0	36.3	43.4	52.4	62.4	74.7

Current(A)		Evaporating Temp.(°C)								
		-10.0	-5.0	0.0	5.0	10.0	15	20	25	30
Condensing Temp.(°C)	75.0	2.40	2.55	2.70	2.86	3.01	3.15	3.24	3.33	3.38
	70.0	2.30	2.42	2.56	2.69	2.81	2.93	3.01	3.05	3.07
	65.0	2.21	2.32	2.43	2.53	2.63	2.74	2.77	2.78	2.75
	60.0	2.13	2.22	2.32	2.41	2.48	2.56	2.57	2.55	2.49
	55.0	2.04	2.13	2.21	2.29	2.35	2.38	2.38	2.33	2.23
	50.0	1.99	2.06	2.12	2.17	2.21	2.22	2.19	2.11	1.96
	45.0	1.93	1.98	2.03	2.07	2.09	2.06	1.99	1.86	1.66
	40.0	1.87	1.92	1.95	1.96	1.97	1.89	1.76	1.58	1.31

## 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	2.06912381E+03	5.76068992E+01	2.16708522E+01	1.50352458E-01
P2	8.06480064E+01	-7.46326506E+00	8.47574097E-01	-3.93956746E-02
P3	-3.09433489E+01	1.39609428E+01	3.00222544E-01	8.39707165E-02
P4	2.36857692E+00	-2.50579047E-01	1.97523603E-02	-1.08037795E-03
P5	-6.48587451E-01	2.49378462E-01	4.36262551E-03	1.30877889E-03
P6	3.42336043E-01	-1.82964015E-01	-7.28590074E-03	-1.32818464E-03
P7	-2.13761971E-02	-2.91008942E-03	2.43813367E-04	-1.30141239E-05
P8	-1.79670151E-02	3.57543459E-03	-1.00887142E-04	1.64220034E-05
P9	1.38592394E-03	-6.87295161E-04	-4.24101138E-05	-5.20672714E-06
P10	-2.12021060E-03	1.24251966E-03	4.59067844E-05	8.82358943E-06