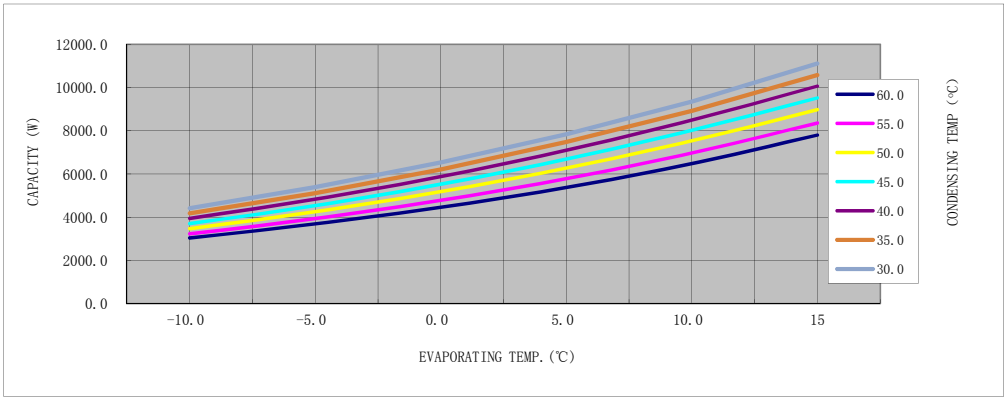
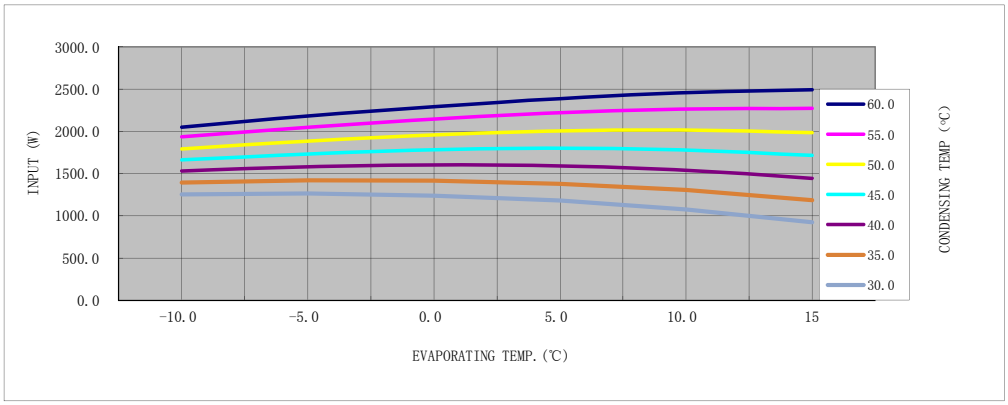
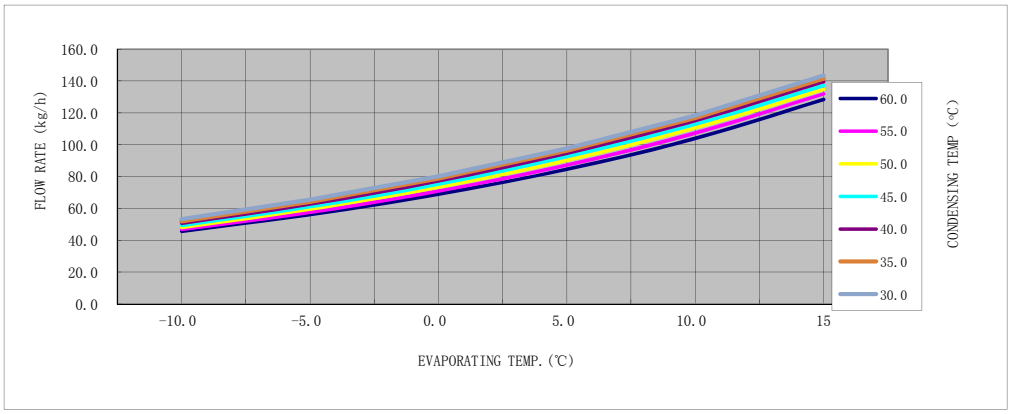
MODEL： KSG250V1VMT

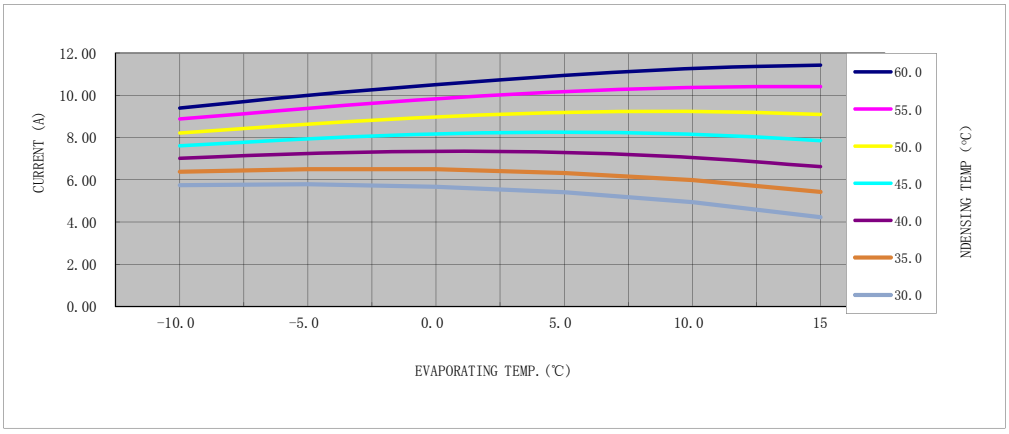
R32 1Φ	—	220 V ～	50 Hz
RETURN GAS TEMP.	———	18.3	℃
SUBCOOLING	———	8.3	℃
AMBIENT TEMP.	———	35	℃
RUNNING CAPACITOR	———	60	uF

PERFORMANCE CURVE(ARI)









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
KSG250V1VMT	25.13	50	220	60	6392.0	2197.8	96.3	10.07

2、Data under different condition

Capacity(W)		Evaporating Temp.(℃)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(℃)	60.0	3033.0	3680.7	4457.0	5375.9	6473.4	7796.8
	55.0	3225.6	3929.6	4778.5	5775.6	6967.3	8358.6
	50.0	3468.6	4250.9	5176.1	6268.3	7535.1	8971.4
	45.0	3698.0	4530.7	5515.0	6694.7	8010.6	9517.2
	40.0	3938.8	4822.9	5872.0	7099.0	8483.9	10060.9
	35.0	4176.2	5112.8	6205.6	7473.8	8912.1	10574.0
	30.0	4418.4	5391.2	6528.8	7840.3	9345.0	11104.4

Input Power(W)		Evaporating Temp.(℃)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(℃)	60.0	2049.9	2183.1	2293.2	2388.9	2460.1	2494.3
	55.0	1937.2	2047.7	2147.3	2220.7	2264.8	2272.6
	50.0	1793.1	1884.9	1959.8	2004.8	2017.3	1985.5
	45.0	1661.7	1732.8	1784.0	1801.5	1779.2	1715.2
	40.0	1532.0	1581.8	1603.8	1591.4	1540.4	1445.4
	35.0	1392.9	1419.8	1418.3	1380.3	1305.7	1185.2
	30.0	1254.5	1265.0	1237.7	1180.4	1077.4	924.0

Flow Rate(kg/h)		Evaporating Temp.(℃)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(℃)	60.0	45.6	56.0	68.9	84.5	103.9	128.4
	55.0	46.6	57.5	70.9	87.1	107.2	131.9
	50.0	47.9	59.4	73.3	90.2	110.5	134.7
	45.0	49.2	60.9	75.1	92.6	112.8	137.2
	40.0	50.6	62.6	77.1	94.6	115.1	139.5
	35.0	51.8	64.1	78.7	96.2	116.7	141.4
	30.0	53.1	65.5	80.2	97.6	118.3	143.5

Current(A)		Evaporating Temp.(℃)					
		-10.0	-5.0	0.0	5.0	10.0	15
Condensing Temp.(℃)	60.0	9.39	10.00	10.51	10.94	11.27	11.43
	55.0	8.87	9.38	9.84	10.17	10.38	10.41
	50.0	8.21	8.63	8.98	9.18	9.24	9.10
	45.0	7.61	7.94	8.17	8.25	8.15	7.86
	40.0	7.02	7.25	7.35	7.29	7.06	6.62
	35.0	6.38	6.50	6.50	6.32	5.98	5.43
	30.0	5.75	5.80	5.67	5.41	4.94	4.23

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.(℃)； y——Condensing Temp.(℃)

	Capacity(W)	Input Power(W)	Flow Rate(kg/h)	Current(A)
P1	7.71416742E+03	7.13644581E+02	8.53191854E+01	3.26932550E+00
P2	2.79900030E+02	-3.74120409E+01	2.94982359E+00	-1.71390833E-01
P3	-1.01028128E+01	-5.00941734E+00	-3.89113952E-02	-2.29489809E-02
P4	3.94583137E+00	-1.08297225E+00	4.67726574E-02	-4.96127750E-03
P5	-4.99104403E-01	9.57706827E-01	1.78315832E-02	4.38741558E-03
P6	-1.21788871E+00	9.86662440E-01	-4.62265252E-03	4.52006610E-03
P7	2.20626763E-02	-8.47168942E-03	7.79587087E-04	-3.88102299E-05
P8	-1.42177617E-02	1.09877509E-02	2.57956644E-04	5.03367294E-05
P9	-2.20463227E-02	4.85590230E-04	-3.22636559E-04	2.22457028E-06
P10	7.96923719E-03	-7.71411003E-03	1.07848768E-05	-3.53396317E-05