



SCREW REFRIGERANT COMPRESSOR
BSR SERIES



SCREW REFRIGERANT COMPRESSOR

Refrigerant: R22, R134a, R407C, R404A, R407C

Features

Variable speed + patent variable Vi ratio mechanism

- Operation frequency range (20-80Hz) + Variable Vi (1.5-3.5) - (Optional).
- Average COP achieves 10%-20% higher than constant speed model, 10%-20% saving in electricity bill.

High efficiency oil separator

- 3-stage oil separate mechanism with patent high density stainless warp-around mesh.
- Warp-around mesh design achieves low operation noise, high oil separate rate 99.7% (1% less oil carry over rate means 1% more chiller COP).

Large area suction strainer

- Larger suction strainer area can efficiently lower the suction pressure drop, raise evaporating temperature and chiller operation efficiency (COP).
- Reducing 0.1 bar pressure drop loss can increase chiller operation efficiency 4%.

Product certificate (CE/UL/PED)

- Complete unit PED certificate; Each compressor performs hydraulic test before shipment.
- Ensure product safety and reliability.



Heat pump



Petrochemical industry



Commercial air-conditioning



Process cooling



Thermo storage



Climate control

Application:

High EER, low energy consumption

- Newly designed, asymmetrical rotor profile results in a low pressure differential between lobes and flutes.
- Average COP achieves 3~5 higher than previous design, 3%-5% saving in electricity bill.

Low noise level, low vibration

- Rotors are precisely milled and dynamically balanced.
- Ensure long bearing service life and low maintenance interval.

Precise capacity control system

- Standard 4-step as well as optional linear capacity modulation system.
- Provide operations under variable loading condition with minimum power consumption.

Ease of maintenance

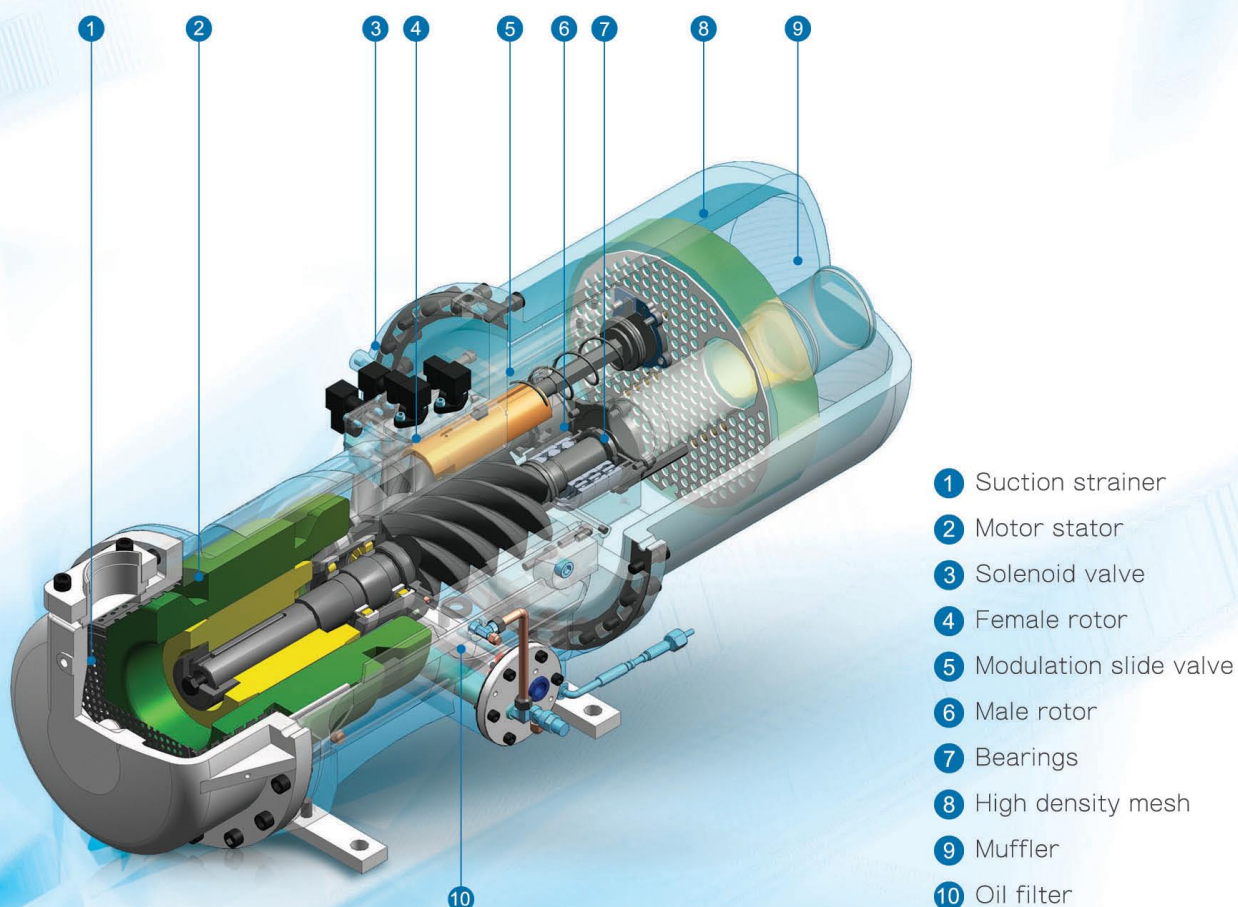
- Semi-hermetic design and low number of components used significantly reduce the maintenance requirement.
- Reduce spare part stock type and quantity by 30%.

Wide application range

- Compressors can be widely used in water and air cooled air-conditioning systems, thermal storage system, heat pump and industrial process, etc.
- Increase market sales opportunity by 50%.



Illustration



- 1 Suction strainer
- 2 Motor stator
- 3 Solenoid valve
- 4 Female rotor
- 5 Modulation slide valve
- 6 Male rotor
- 7 Bearings
- 8 High density mesh
- 9 Muffler
- 10 Oil filter

Series			BSR																
Model			213S	213	216	311S	311	314	316	321	323	324	326	413	415	421	423	424	426
Specification	Displacement (50Hz)	m³/hr	119	135	172	194	215	268	316	331	395	440	472	556	619	696	760	854	942
	Displacement (60Hz)	m³/hr	143	162	206	233	258	322	379	397	474	528	566	667	743	835	912	1025	1130
	Speed	rpm	2950 / 3550 for 50/60 Hz																
	Capacity control	%	Step control (25 / 50 / 75 / 100) or linear control (25~100)																
	Refrigerant	—	R22 / R134a / R407C / R404A / R507																
Motor	Type	—	3 phases, 2 poles, Induction motor																
	Voltage	—	380~415 - 50 Hz / 220、380、400、440、460、480-60Hz																
	Protection device	—	Phase loss, phase sequence, and motor PTC/PT100 thermistor																
	Start-up	—	Y-△ start-up or direct-on-line start-up																
Dimension of suction port		Inch(mm)	2-5/8 (66.7)			3-1/8 (79.4)			4 (101.6)						5 (127.0)				
Dimension of discharge port		Inch(mm)	1-5/8 (41.3)			2-5/8 (66.7)			3-1/8 (79.4)						4 (101.6)				
Hydraulic test		kg/cm²G	42																
Oil heater		W	150						300										
Oil charge		Liter	11			13			17				21		25				
Weight		kg	476	481	486	595	600	609	615	726	736	762	777	849	899	1115	1125	1135	1181

Operation Envelope

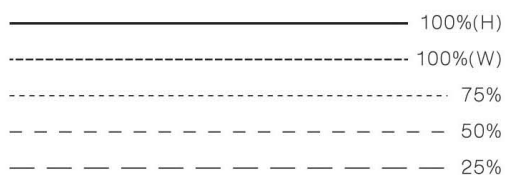
Range of application

Region I:

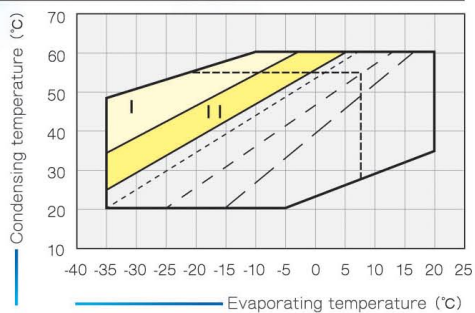
Need to operate with liquid injection and oil cooling.

Region II:

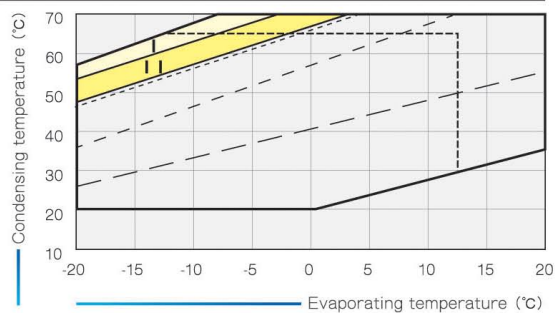
Need to operate with liquid injection or oil cooling.



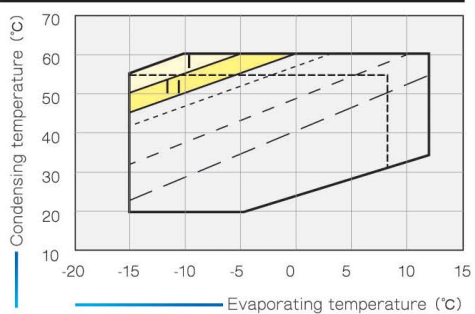
R22



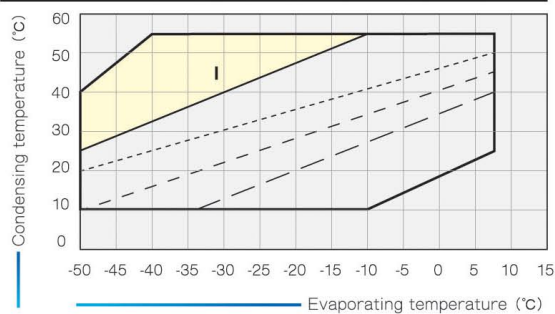
R134a



R407C



R404A / R507



Series			BSR												
Model			427	428	516L	518L	614L	616L	513	514	516	613	614	616	
Specification	Displacement (50Hz)	m³/hr	1058	1115	1227	1452	1762	1959	986	1099	1227	1449	1762	1959	
	Displacement (60Hz)	m³/hr	1270	1338	1472	1743	2114	2351	1183	1319	1472	1739	2114	2351	
	Speed	rpm	2950 / 3550 for 50/60 Hz												
	Capacity control	%	Step control (25 / 50 / 75 / 100) or linear control (25-100)												
	Refrigerant	—	R22 / R134a / R407C / R404A / R507												
Motor	Type	—	3 phases, 2 poles, Induction motor												
	Voltage	—	380~415- 50 Hz / 220、380、400、440、460、480-60Hz												
	Protection device	—	Phase loss, phase sequence, and motor PTC/PT100 thermistor												
	Start-up	—	Y-△ start-up or direct-on-line start-up												
Dimension of suction port		Inch(mm)	5 (127.0)		6 (152.4)		8 (203.2)		6 (152.4)			8 (203.2)			
Dimension of discharge port		Inch(mm)	4 (101.6)		5 (127.0)			6 (152.4)		5 (127.0)			6 (152.4)		
Hydraulic test		kg/cm²G	42												
Oil heater		W	300						—						
Oil charge		Liter	30		35		40		—						
Weight		kg	1300	1350	1560	1750	2200	2330	1220	1250	1280	1760	1780	1800	

Remark: Model BSR513, 514, 516, 613, 614, 616 without built-in oil separator.

BSR SERIES

High efficiency, high performance,
reliable screw refrigerant compressor

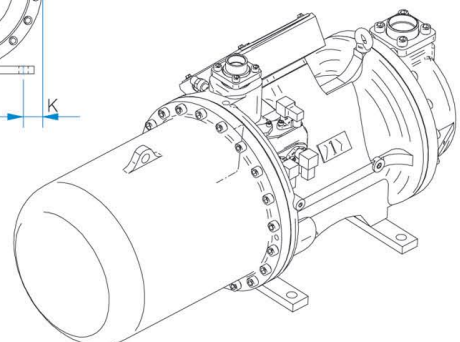
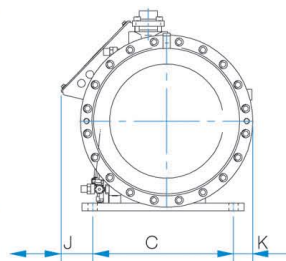
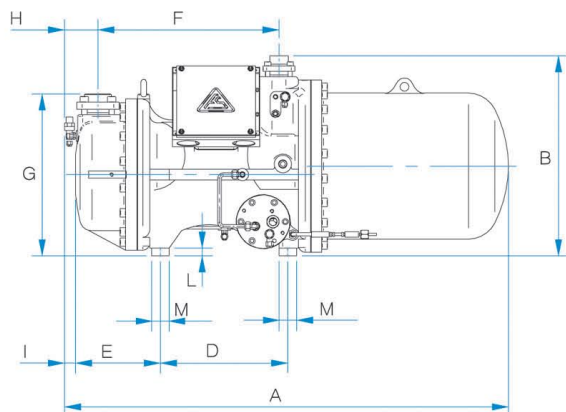


Outline dimension

BSR21X~42X

Model	A	B	C	D	E	F	G	H	I	J	K	L	M
BSR21X	1261	569	400	362	241	515	461	95	31	90	55	22	50
BSR31X	1371	574	400	425	299	581	486	121	28	110	75	22	50
BSR32X	1535	634	400	462	346	648	521	117	37	90	85	22	50
BSR41X	1649	670	500	462	334	661	538	117	30	40	76	22	60
BSR421~426	1878	752	500	590	397	827	655	115	—	115	55	25	60
BSR427/428	2044	752	500	590	499	887	654	221	69	115	55	25	60

Unit: mm

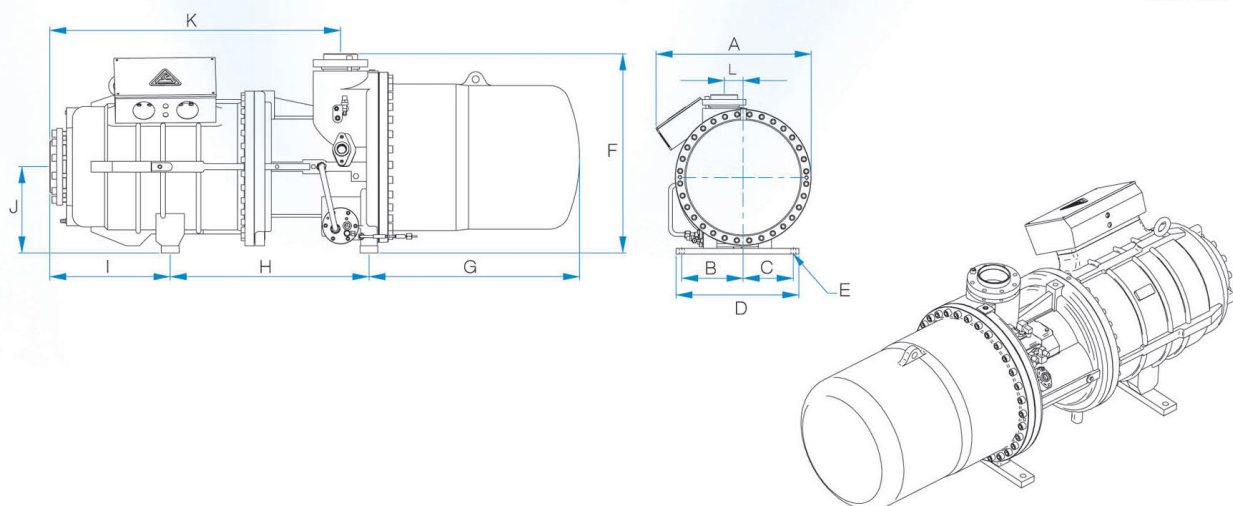


Outline dimension

BSR516L / 518L / 614L / 616L

Model	A	B	C	D	E	F	G	H	I	J	K	L
BSR516L	788	325	265	650	26	843	892	732	482	365	1094	100
BSR518L	821	325	265	650	26	841	892	842	510	365	1230	100
BSR614L / 616L	878	325	265	650	26	926	980	842	510	365	1224	70

Unit: mm

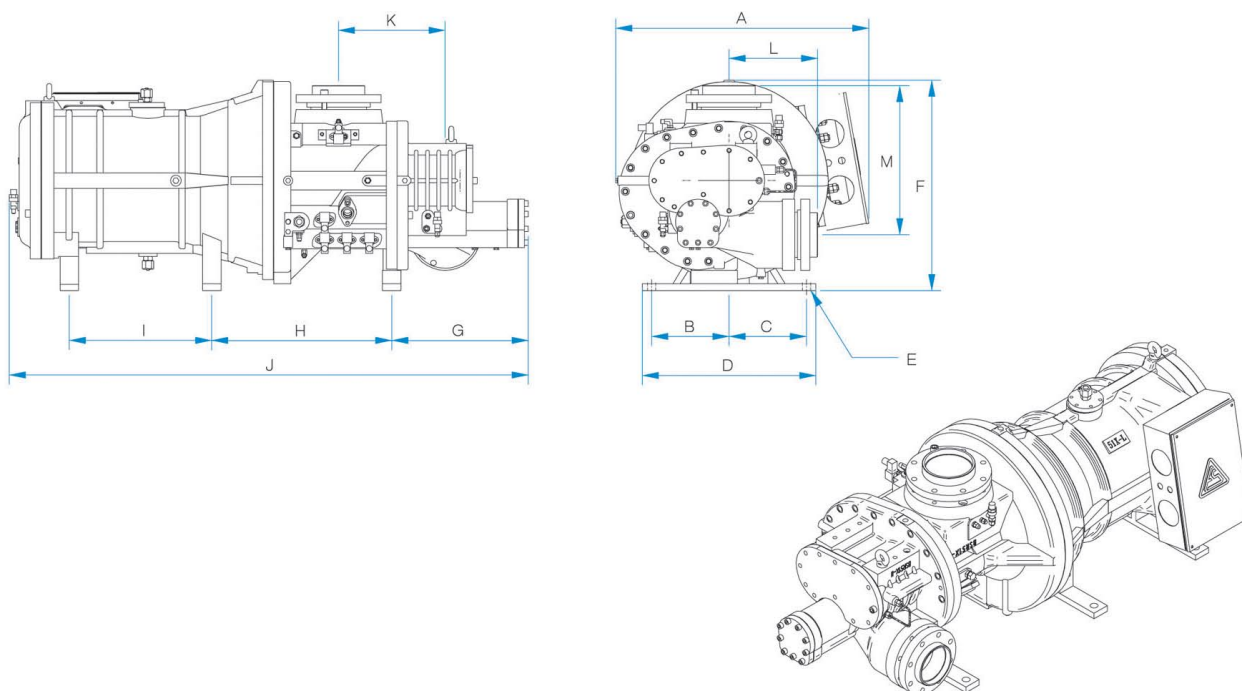


Outline dimension

BSR513 / 514 / 516 / 613 / 614 / 616

Model	A	B	C	D	E	F	G	H	I	J	K	L	M
BSR513 / 514 / 516	780	250	250	560	26	680	441	581	460	1676	344	286	482
BSR613 / 614 / 616	915	250	250	560	26	827	493	704	420	1885	449	355	468

Unit: mm





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SR/SRA

Series

性能資料

PERFORMANCE DATA

SCREW REFRIGERANT COMPRESSOR

螺旋式冷媒壓縮機



復盛股份有限公司

Fu Sheng Industrial Co., Ltd.

Toll-Free Number: 080-0881953

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R22

Model		SR-1							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	191.6	31.0	53	229.9	37.2	110	64	55
	5	161.3	29.7	51	193.6	35.6	105	61	53
	0	134.9	28.9	49	161.9	34.7	102	59	51
	-5	111.5	28.4	48	133.9	34.1	100	58	50
	-10	90.6	27.9	48	108.7	33.5	99	57	49
40	10	179.7	34.8	59	215.7	41.8	123	71	62
	5	150.5	33.4	57	180.6	40.1	118	68	59
	4	145.1	33.2	57	174.1	39.8	117	68	59
	3	139.8	33.0	56	167.8	39.6	117	68	58
	2	134.6	32.9	56	161.5	39.5	116	67	58
	1	129.5	32.7	56	155.4	39.2	116	67	58
	0	124.5	32.6	56	149.4	39.1	115	67	58
	-5	101.2	31.9	54	121.4	38.3	113	65	56
	-10	80.1	31.2	53	96.2	37.4	110	64	55
45	10	165.5	38.6	66	198.6	46.3	137	79	68
	5	137.9	37.3	64	165.5	44.8	132	76	66
	0	112.7	36.4	62	135.3	43.7	129	75	64
	-5	89.7	35.6	61	107.7	42.7	126	73	63
	-10	68.8	34.7	59	82.6	41.6	123	71	61
50	10	151.2	42.7	72	181.4	51.2	149	87	75
	5	125.2	41.5	70	150.3	49.8	145	84	73
	0	101.0	40.7	69	121.2	48.8	142	82	71
	-5	78.5	39.8	67	94.2	47.8	139	81	70
55	10	138.4	47.5	80	166.1	57.0	166	96	83
	5	113.9	46.6	79	136.7	55.9	163	94	82
	* 0	90.5	45.9	77	108.6	55.1	161	93	80
	* -5	68.5	45.0	76	82.2	54.0	157	91	79



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.

R22

Model		SR-2							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	228.3	37.1	63	274.0	44.5	131	76	66
	5	196.9	35.6	61	236.3	42.7	126	73	63
	0	166.9	34.6	59	200.3	41.5	122	71	61
	-5	138.6	33.8	58	166.3	40.6	120	69	60
	-10	112.6	33.1	57	135.1	39.7	117	68	59
40	10	215.7	41.5	71	258.9	49.8	147	85	73
	5	184.0	40.1	68	220.9	48.1	142	82	71
	4	177.8	39.9	68	213.4	47.9	141	82	71
	3	171.7	39.7	68	206.1	47.6	140	81	70
	2	165.6	39.5	67	198.8	47.4	140	81	70
	1	159.7	39.3	67	191.7	47.2	139	81	70
	0	153.8	39.2	67	184.6	47.0	139	80	69
	-5	125.6	38.3	65	150.7	46.0	136	78	68
	-10	99.9	37.4	64	119.9	44.9	132	77	66
45	10	199.5	45.9	78	239.5	55.1	162	94	81
	5	168.3	44.8	76	202.0	53.8	159	92	79
	0	138.7	43.8	75	166.4	52.6	155	90	77
	-5	111.3	42.9	73	133.6	51.5	152	88	76
	-10	86.4	41.8	71	103.7	50.2	148	86	74
50	10	182.1	50.6	85	218.5	60.7	177	103	89
	5	151.9	49.8	84	182.4	59.8	174	101	87
	0	123.4	48.9	83	148.0	58.7	171	99	86
	-5	97.0	47.8	81	116.4	57.4	167	97	84
55	10	165.9	56.0	95	199.1	67.2	196	113	98
	5	136.8	55.5	94	164.2	66.6	194	112	97
	* 0	109.4	54.6	92	131.3	65.5	191	111	96
	* -5	84.1	53.3	90	100.9	64.0	187	108	93



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.

R22

Model		SR-3							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	280.6	45.5	78	336.8	54.6	161	93	80
	5	239.7	44.0	75	287.7	52.8	156	90	78
	0	203.6	42.9	73	244.3	51.5	152	88	76
	-5	170.3	42.0	72	204.3	50.4	149	86	74
	-10	139.0	41.2	70	166.8	49.4	146	84	73
40	10	266.0	50.4	86	319.2	60.5	178	103	89
	5	225.5	49.0	84	270.6	58.8	173	100	87
	4	218.0	48.7	83	261.7	58.4	172	100	86
	3	210.8	48.5	83	253.0	58.2	172	99	86
	2	203.7	48.3	82	244.5	58.0	171	99	85
	1	196.7	48.0	82	236.1	57.6	170	98	85
	0	189.8	47.8	82	227.8	57.4	169	98	85
	-5	157.0	46.7	80	188.4	56.0	165	96	83
	-10	126.3	45.6	78	151.5	54.7	161	93	81
45	10	247.0	55.4	95	296.4	66.5	196	113	98
	5	206.9	54.1	92	248.3	64.9	191	111	96
	0	171.6	52.9	90	206.0	63.5	187	108	94
	-5	139.5	51.6	88	167.5	61.9	183	106	91
	-10	109.7	50.0	85	131.7	60.0	177	102	88
50	10	225.9	61.0	103	271.1	73.2	213	124	107
	5	185.6	59.9	101	222.7	71.9	210	121	105
	0	150.7	58.6	99	180.8	70.3	205	119	103
	-5	119.3	57.0	96	143.2	68.4	199	115	100
55	10	204.4	68.0	115	245.3	81.6	238	138	119
	5	163.5	67.2	113	196.2	80.6	235	136	118
	* 0	128.5	66.1	112	154.2	79.3	231	134	116
	* -5	97.7	64.3	109	117.2	77.2	225	130	112



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.

R22

Model		SR-434							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	328.2	51.7	88	393.9	62.0	183	106	91
	5	278.2	49.7	85	333.9	59.6	176	102	88
	0	232.2	48.7	83	278.7	58.4	172	100	86
	-5	190.8	48.1	82	229.0	57.7	170	99	85
	-10	154.3	47.7	81	185.1	57.2	169	98	84
40	10	311.1	58.1	99	373.4	69.7	206	119	103
	5	262.4	56.3	96	314.9	67.6	199	115	100
	4	253.0	56.0	96	303.7	67.2	198	115	99
	3	243.8	55.8	95	292.6	67.0	197	114	99
	2	234.7	55.5	95	281.7	66.6	196	114	98
	1	225.7	55.3	94	270.9	66.4	196	113	98
	0	217.0	55.1	94	260.4	66.1	195	113	97
	-5	175.8	54.3	93	211.0	65.2	192	111	96
	-10	139.3	53.4	91	167.2	64.1	189	109	94
45	10	288.5	64.6	110	346.2	77.5	229	132	114
	5	241.6	63.0	108	289.9	75.6	223	129	111
	0	197.3	61.9	106	236.8	74.3	219	127	110
	-5	156.9	60.7	104	188.3	72.8	215	124	107
	-10	121.1	59.3	101	145.4	71.2	210	121	105
50	10	263.0	71.4	121	315.6	85.7	250	145	125
	5	218.1	70.2	119	261.8	84.2	246	142	123
	0	175.3	69.1	117	210.4	82.9	242	140	121
	-5	136.0	67.8	114	163.3	81.4	237	137	119
55	10	237.1	79.1	134	284.6	94.9	277	160	138
	5	194.0	78.5	133	232.8	94.2	275	159	137
	* 0	152.5	77.6	131	183.1	93.1	272	157	136
	* -5	114.4	76.0	128	137.4	91.2	266	154	133



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-4							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	488.0	77.2	132	585.7	92.6	-	158	137
	5	414.9	74.6	127	498.0	89.5	-	153	132
	0	348.8	72.6	124	418.7	87.1	-	149	128
	-5	289.9	71.1	121	348.0	85.3	-	146	126
	-10	237.8	70.2	120	285.4	84.2	-	144	124
40	10	458.4	86.1	147	550.2	103.3	-	176	152
	5	387.4	83.8	143	465.0	100.6	-	172	148
	4	373.9	83.4	142	448.8	100.1	-	171	148
	3	360.7	82.9	142	432.9	99.5	-	170	147
	2	347.6	82.5	141	417.2	99.0	-	169	146
	1	334.9	82.1	140	401.9	98.5	-	168	145
	0	322.4	81.7	139	386.9	98.0	-	167	145
	-5	263.9	79.8	136	316.7	95.8	-	163	141
	-10	212.2	78.5	134	254.7	94.2	-	161	139
45	10	422.3	95.2	163	506.8	114.2	-	195	168
	5	353.8	93.3	159	424.6	112.0	-	191	165
	0	290.3	91.1	156	348.4	109.3	-	187	161
	-5	233.0	88.9	152	279.7	106.7	-	182	157
	-10	182.3	87.1	149	218.8	104.5	-	178	154
50	10	384.2	105.1	177	461.1	126.1	-	213	184
	5	317.8	103.7	175	381.5	124.4	-	210	181
	0	256.1	101.6	172	307.4	121.9	-	206	178
	-5	200.1	99.1	167	240.2	118.9	-	201	173
55	10	347.8	116.9	197	417.4	140.3	-	237	205
	5	283.1	116.5	197	339.8	139.8	-	236	204
	* 0	222.6	114.7	194	267.1	137.6	-	232	201
	* -5	167.8	111.9	189	201.4	134.3	-	227	196



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.

R22

Model		SR-5							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	555.2	89.5	153	666.4	107.4	-	183	158
	5	475.3	87.1	149	570.5	104.5	-	178	154
	0	402.0	85.0	145	482.5	102.0	-	174	150
	-5	337.5	83.5	143	405.1	100.2	-	171	148
	-10	282.6	82.6	141	339.1	99.1	-	169	146
40	10	539.6	102.3	175	647.7	122.8	-	210	181
	5	460.0	99.7	170	552.1	119.6	-	204	176
	4	444.6	99.1	169	533.6	118.9	-	203	175
	3	429.5	98.6	168	515.4	118.3	-	202	174
	2	414.6	98.1	167	497.6	117.7	-	201	174
	1	400.0	97.6	167	480.1	117.1	-	200	173
	0	385.8	97.1	166	463.0	116.5	-	199	172
	-5	319.8	94.8	162	383.8	113.8	-	194	168
	-10	263.2	93.0	159	315.9	111.6	-	191	165
45	10	515.5	114.7	196	618.7	137.6	-	235	203
	5	437.3	112.3	192	524.9	134.8	-	230	199
	0	363.4	109.6	187	436.1	131.5	-	225	194
	-5	297.0	106.6	182	356.5	127.9	-	218	189
	-10	239.8	103.7	177	287.8	124.4	-	212	183
50	10	487.2	127.0	214	584.8	152.4	-	257	222
	5	410.9	125.3	212	493.1	150.4	-	254	219
	0	338.0	122.5	207	405.7	147.0	-	248	214
	-5	271.9	119.1	201	326.3	142.9	-	241	208
55	10	458.2	139.2	235	550.0	167.0	-	282	244
	5	384.1	138.6	234	461.0	166.3	-	281	242
	* 0	312.3	136.3	230	374.8	163.6	-	276	238
	* -5	246.8	132.5	224	296.2	159.0	-	268	232



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.

R22

Model		SR-561							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	580.4	93.5	160	696.5	112.2	-	192	165
	5	502.5	90.7	155	603.0	108.8	-	186	160
	0	425.5	88.9	152	510.6	106.7	-	182	157
	-5	353.6	87.1	149	424.3	104.5	-	178	154
	-10	289.3	84.8	145	347.2	101.8	-	174	150
40	10	567.3	106.1	181	680.8	127.3	-	217	188
	5	487.0	103.4	177	584.4	124.1	-	212	183
	4	471.0	103.0	176	565.2	123.6	-	211	182
	3	455.1	102.6	175	546.1	123.1	-	210	182
	2	439.3	102.2	174	527.2	122.6	-	209	181
	1	423.7	101.9	174	508.4	122.3	-	209	180
	0	408.3	101.5	173	490.0	121.8	-	208	180
	-5	335.1	99.4	170	402.1	119.3	-	204	176
	-10	269.9	96.4	165	323.9	115.7	-	197	171
45	10	543.4	118.7	203	652.1	142.4	-	243	210
	5	462.0	116.3	199	554.4	139.6	-	238	206
	0	382.6	114.3	195	459.1	137.2	-	234	202
	-5	309.3	111.9	191	371.2	134.3	-	229	198
	-10	244.5	108.1	185	293.4	129.7	-	221	191
50	10	512.4	131.6	225	614.9	157.9	-	267	230
	5	430.7	129.6	221	516.8	155.5	-	263	227
	0	351.5	127.5	218	421.8	153.0	-	258	223
	-5	278.9	124.7	213	334.7	149.6	-	253	218
55	10	477.9	145.1	248	573.5	174.1	-	294	254
	5	396.1	143.4	245	475.3	172.1	-	290	251
	* 0	317.6	141.3	241	381.1	169.6	-	286	247
	* -5	246.1	137.9	235	295.3	165.5	-	279	241



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.

R22

Model		SR-6							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	741.0	115.9	198	889.3	139.1	-	237	205
	5	622.3	111.2	190	746.9	133.4	-	228	197
	0	517.3	107.7	184	620.9	129.2	-	221	191
	-5	424.9	104.7	179	510.0	125.6	-	214	185
	-10	344.1	102.1	174	413.0	122.5	-	209	181
40	10	704.0	127.5	218	844.9	153.0	-	261	226
	5	587.8	123.7	211	705.5	148.4	-	253	219
	4	566.0	123.0	210	679.3	147.6	-	252	218
	3	544.6	122.4	209	653.6	146.9	-	251	217
	2	523.7	121.8	208	628.6	146.2	-	250	215
	1	503.3	121.2	207	604.1	145.4	-	248	214
	0	483.3	120.6	206	580.1	144.7	-	247	213
	-5	390.3	117.9	201	468.5	141.5	-	242	209
	-10	308.6	115.3	197	370.4	138.4	-	236	204
45	10	651.5	140.2	239	781.9	168.2	-	287	248
	5	540.8	136.9	234	649.1	164.3	-	280	242
	0	439.4	134.1	229	527.4	160.9	-	275	237
	-5	348.1	131.5	224	417.7	157.8	-	269	233
	-10	267.5	128.7	220	321.1	154.4	-	264	228
50	10	589.8	155.1	262	707.9	186.1	-	314	271
	5	486.5	152.1	257	583.9	182.5	-	308	266
	0	390.0	149.3	252	468.1	179.2	-	302	261
	-5	302.1	146.4	247	362.6	175.7	-	297	256
55	10	524.4	174.4	294	629.4	209.3	-	353	305
	5	429.6	171.4	289	515.6	205.7	-	347	300
	* 0	339.2	168.4	284	407.2	202.1	-	341	295
	* -5	255.7	164.9	278	306.9	197.9	-	334	289



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-7							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	889.1	140.1	239	1067.2	168.1	-	287	248
	5	746.2	135.4	231	895.6	162.5	-	277	240
	0	626.3	131.5	224	751.6	157.8	-	269	233
	-5	523.4	128.4	219	628.1	154.1	-	263	227
	-10	433.2	125.8	215	520.0	151.0	-	258	223
40	10	847.1	156.8	268	1016.7	188.2	-	321	277
	5	713.7	152.1	260	856.5	182.5	-	312	269
	4	689.4	151.2	258	827.5	181.4	-	310	268
	3	665.6	150.4	257	798.9	180.5	-	308	266
	2	642.5	149.6	255	771.2	179.5	-	306	265
	1	620.0	148.8	254	744.1	178.6	-	305	263
	0	598.1	148.0	253	717.8	177.6	-	303	262
	-5	496.0	144.4	247	595.3	173.3	-	296	255
	-10	404.9	141.1	241	486.0	169.3	-	289	250
45	10	798.6	173.5	296	958.5	208.2	-	355	307
	5	673.6	169.3	289	808.5	203.2	-	347	300
	0	561.6	165.3	282	674.1	198.4	-	339	292
	-5	460.5	161.2	275	552.7	193.4	-	330	285
	-10	369.1	157.2	268	443.0	188.6	-	322	278
50	10	750.6	191.7	324	900.9	230.0	-	388	335
	5	631.7	188.3	318	758.2	226.0	-	381	329
	0	522.3	184.5	311	626.9	221.4	-	374	323
	-5	421.6	180.1	304	506.0	216.1	-	365	315
55	10	708.7	212.9	359	850.6	255.5	-	431	372
	5	593.2	210.7	356	712.0	252.8	-	427	369
	* 0	484.6	207.4	350	581.6	248.9	-	420	363
	* -5	383.4	202.9	343	460.2	243.5	-	411	355



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-8							
TC (°C)	TE (°C)	50Hz			60Hz				
		Capacity	Power	380V	Capacity	Power	220V	380V	440V
		(kW)	(kW)	(A)	(kW)	(kW)	(A)	(A)	(A)
35	10	1146.9	169.0	289	1376.5	202.8	-	346	299
	5	952.3	164.0	280	1143.0	196.8	-	336	290
	0	797.0	159.0	271	956.6	190.8	-	326	281
	-5	665.2	154.7	264	798.4	185.6	-	317	274
	-10	547.4	151.1	258	657.0	181.3	-	310	267
40	10	1087.0	189.1	323	1304.7	226.9	-	387	335
	5	894.0	184.1	314	1073.0	220.9	-	377	326
	4	860.4	183.1	313	1032.6	219.7	-	375	324
	3	828.1	182.1	311	993.9	218.5	-	373	322
	2	797.0	181.1	309	956.6	217.3	-	371	320
	1	767.0	180.0	307	920.5	216.0	-	369	318
	0	738.0	179.0	306	885.7	214.8	-	367	317
	-5	604.6	174.4	298	725.6	209.3	-	357	309
	-10	485.6	170.8	292	582.8	205.0	-	350	302
45	10	1009.2	209.3	357	1211.3	251.2	-	429	370
	5	822.4	204.7	349	987.0	245.6	-	419	362
	0	669.5	199.8	341	803.5	239.8	-	409	353
	-5	537.8	195.3	333	645.5	234.4	-	400	346
	-10	420.2	192.0	328	504.3	230.4	-	393	340
50	10	925.6	231.0	390	1110.9	277.2	-	468	404
	5	747.6	227.2	384	897.3	272.6	-	460	397
	0	599.9	222.8	376	720.0	267.4	-	451	390
	-5	471.8	218.8	369	566.3	262.6	-	443	383
55	10	846.4	256.1	432	1015.9	307.3	-	519	448
	5	678.1	253.7	428	813.9	304.4	-	514	444
	* 0	536.5	250.5	423	644.0	300.6	-	507	438
	* -5	412.5	247.6	418	495.1	297.1	-	502	433



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.

R22

Model		SR-1H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	196.1	161.7	34.4	59	235.3	194.0	41.3	122	70	61
	5	171.5	138.0	33.5	57	205.8	165.6	40.2	119	69	59
	0	150.3	117.7	32.6	56	180.4	141.2	39.1	115	67	58
	-5	131.5	99.9	31.6	54	157.8	119.9	37.9	112	65	56
	-10	114.8	84.2	30.6	52	137.8	101.0	36.7	108	63	54
	-15	99.7	70.2	29.5	50	119.6	84.2	35.4	104	60	52
45	10	192.5	154.6	37.9	65	231.0	185.5	45.5	134	78	67
	5	168.8	131.9	36.9	63	202.6	158.3	44.3	131	76	65
	0	148.1	112.1	36.0	61	177.7	134.5	43.2	127	74	64
	-5	129.6	94.6	35.0	60	155.5	113.5	42.0	124	72	62
	-10	113.0	79.0	34.0	58	135.6	94.8	40.8	120	70	60
	*-15	98.0	65.1	32.9	56	117.6	78.1	39.5	116	67	58
50	10	188.0	146.6	41.4	70	225.6	175.9	49.7	145	84	72
	5	165.1	124.8	40.3	68	198.1	149.8	48.4	141	82	71
	2	152.7	113.0	39.7	67	183.2	135.6	47.6	139	80	69
	0	144.9	105.6	39.3	66	173.9	126.7	47.2	138	80	69
	-5	126.8	88.5	38.3	65	152.2	106.2	46.0	134	78	67
	*-10	110.5	73.2	37.3	63	132.6	87.8	44.8	131	76	65
	*-15	95.8	59.5	36.3	61	115.0	71.4	43.6	127	74	64
55	10	183.6	138.7	44.9	76	220.3	166.4	53.9	157	91	79
	5	161.6	117.8	43.8	74	193.9	141.4	52.6	153	89	77
	* 0	141.8	99.1	42.7	72	170.2	118.9	51.2	149	87	75
	* -5	124.0	82.3	41.7	70	148.8	98.8	50.0	146	84	73
	*-10	107.9	67.2	40.7	69	129.5	80.6	48.8	142	82	71
	*-15	93.6	53.8	39.8	67	112.3	64.6	47.8	139	81	70
60	* 10	180.6	131.9	48.7	82	216.7	158.3	58.4	170	99	85
	* 5	159.0	111.5	47.5	80	190.8	133.8	57.0	166	96	83
	* 0	139.6	93.2	46.4	78	167.5	111.8	55.7	162	94	81
	* -5	121.9	76.6	45.3	76	146.3	91.9	54.4	159	92	79
	*-10	106.0	61.7	44.3	75	127.2	74.0	53.2	155	90	78



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with " *" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-2H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	239.5	198.1	41.4	71	287.4	237.7	49.7	146	85	73
	5	209.3	169.3	40.0	68	251.2	203.2	48.0	142	82	71
	0	184.0	145.1	38.9	66	220.8	174.1	46.7	138	80	69
	-5	161.7	123.8	37.9	65	194.0	148.6	45.5	134	78	67
	-10	141.3	104.6	36.7	63	169.6	125.5	44.0	130	75	65
	-15	122.1	86.9	35.2	60	146.5	104.3	42.2	125	72	62
45	10	234.0	188.5	45.5	78	280.8	226.2	54.6	161	93	80
	5	204.7	160.6	44.1	75	245.6	192.7	52.9	156	90	78
	0	179.8	136.9	42.9	73	215.8	164.3	51.5	152	88	76
	-5	157.7	115.9	41.8	71	189.2	139.1	50.2	148	86	74
	-10	137.4	96.9	40.5	69	164.9	116.3	48.6	143	83	72
	*-15	118.4	79.5	38.9	66	142.1	95.4	46.7	138	80	69
50	10	226.9	177.4	49.5	84	272.3	212.9	59.4	173	100	87
	5	198.8	150.8	48.0	81	238.6	181.0	57.6	168	97	84
	2	184.0	136.7	47.3	80	220.8	164.0	56.8	166	96	83
	0	174.8	127.9	46.9	79	209.8	153.5	56.3	164	95	82
	-5	153.2	107.5	45.7	77	183.8	129.0	54.8	160	93	80
	*-10	133.3	88.9	44.4	75	160.0	106.7	53.3	155	90	78
	*-15	114.6	71.9	42.7	72	137.5	86.3	51.2	149	87	75
55	10	219.8	166.4	53.4	90	263.8	199.7	64.1	187	108	93
	5	193.1	141.1	52.0	88	231.7	169.3	62.4	182	105	91
	* 0	169.9	119.1	50.8	86	203.9	142.9	61.0	178	103	89
	* -5	149.1	99.4	49.7	84	178.9	119.3	59.6	174	101	87
	*-10	129.7	81.3	48.4	82	155.6	97.6	58.1	169	98	85
	*-15	111.4	64.8	46.6	79	133.7	77.8	55.9	163	94	82
60	* 10	214.2	156.6	57.6	97	257.0	187.9	69.1	202	117	101
	* 5	188.8	132.6	56.2	95	226.6	159.1	67.4	197	114	98
	* 0	166.5	111.4	55.1	93	199.8	133.7	66.1	193	112	96
	* -5	146.3	92.3	54.0	91	175.6	110.8	64.8	189	109	94
	*-10	127.3	74.7	52.6	89	152.8	89.6	63.1	184	107	92



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-3H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	289.7	240.3	49.4	84	347.6	288.4	59.3	175	101	87
	5	255.7	207.8	47.9	82	306.8	249.4	57.5	169	98	85
	0	225.1	178.5	46.6	80	270.1	214.2	55.9	165	95	82
	-5	197.2	151.9	45.3	77	236.6	182.3	54.4	160	93	80
	-10	171.6	127.7	43.9	75	205.9	153.2	52.7	155	90	78
	-15	148.4	105.9	42.5	73	178.1	127.1	51.0	150	87	75
45	10	281.0	226.5	54.5	93	337.2	271.8	65.4	193	112	96
	5	248.7	195.8	52.9	90	298.4	235.0	63.5	187	108	94
	0	219.0	167.5	51.5	88	262.8	201.0	61.8	182	106	91
	-5	191.4	141.4	50.0	85	229.7	169.7	60.0	177	102	88
	-10	166.1	117.5	48.6	83	199.3	141.0	58.3	172	100	86
	*-15	142.8	95.8	47.0	80	171.4	115.0	56.4	166	96	83
50	10	270.9	211.6	59.3	100	325.1	253.9	71.2	207	120	104
	5	240.4	182.7	57.7	97	288.5	219.2	69.2	202	117	101
	2	223.0	166.1	56.9	96	267.6	199.3	68.3	199	115	100
	0	211.7	155.4	56.3	95	254.0	186.5	67.6	197	114	98
	-5	184.6	129.8	54.8	93	221.5	155.8	65.8	192	111	96
	*-10	159.6	106.3	53.3	90	191.5	127.6	64.0	187	108	93
	*-15	136.7	85.0	51.7	87	164.0	102.0	62.0	181	105	90
55	10	261.4	197.5	63.9	108	313.7	237.0	76.7	224	129	112
	5	232.4	169.9	62.5	106	278.9	203.9	75.0	219	127	109
	* 0	204.6	143.4	61.2	103	245.5	172.1	73.4	214	124	107
	* -5	178.1	118.4	59.7	101	213.7	142.1	71.6	209	121	104
	*-10	153.6	95.3	58.3	98	184.3	114.4	70.0	204	118	102
	*-15	131.2	74.3	56.9	96	157.4	89.2	68.3	199	115	100
60	* 10	254.2	185.5	68.7	116	305.0	222.6	82.4	240	139	120
	* 5	226.4	158.9	67.5	114	271.7	190.7	81.0	236	137	118
	* 0	199.1	132.8	66.3	112	238.9	159.4	79.6	232	134	116
	* -5	173.1	108.1	65.0	110	207.7	129.7	78.0	227	132	114
	*-10	149.0	85.2	63.8	108	178.8	102.2	76.6	223	129	112



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with " * " indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-434H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	356.8	295.3	61.5	105	428.2	354.4	73.8	218	126	109
	5	310.9	251.5	59.4	101	373.1	301.8	71.3	210	122	105
	0	271.2	213.5	57.7	99	325.4	256.2	69.2	204	118	102
	-5	237.4	181.4	56.0	96	284.9	217.7	67.2	198	115	99
	-10	209.3	155.0	54.3	93	251.2	186.0	65.2	192	111	96
	-15	186.1	133.6	52.5	90	223.3	160.3	63.0	186	108	93
45	10	351.0	283.5	67.5	115	421.2	340.2	81.0	239	138	119
	5	306.4	241.0	65.4	112	367.7	289.2	78.5	231	134	116
	0	267.8	204.3	63.5	108	321.4	245.2	76.2	225	130	112
	-5	235.4	173.5	61.9	106	282.5	208.2	74.3	219	127	110
	-10	208.5	148.3	60.2	103	250.2	178.0	72.2	213	123	107
	*-15	186.2	128.0	58.2	99	223.4	153.6	69.8	206	119	103
50	10	343.2	269.8	73.4	124	411.8	323.8	88.1	257	149	128
	5	299.5	228.3	71.2	120	359.4	274.0	85.4	249	144	125
	2	276.3	206.2	70.1	118	331.6	247.4	84.1	245	142	123
	0	262.3	192.8	69.5	117	314.8	231.4	83.4	243	141	122
	-5	231.1	163.3	67.8	114	277.3	196.0	81.4	237	137	119
	*-10	205.5	139.3	66.2	112	246.6	167.2	79.4	232	134	116
	*-15	184.4	120.2	64.2	108	221.3	144.2	77.0	225	130	112
55	10	335.0	255.5	79.5	134	402.0	306.6	95.4	278	161	139
	5	292.1	214.7	77.4	131	350.5	257.6	92.9	271	157	135
	* 0	255.8	180.1	75.7	128	307.0	216.1	90.8	265	153	132
	* -5	225.9	151.7	74.2	125	271.1	182.0	89.0	260	150	130
	*-10	201.7	129.0	72.7	123	242.0	154.8	87.2	254	147	127
	*-15	181.7	111.0	70.7	119	218.0	133.2	84.8	247	143	124
60	* 10	328.1	242.1	86.0	145	393.7	290.5	103.2	301	174	150
	* 5	285.4	201.4	84.0	142	342.5	241.7	100.8	294	170	147
	* 0	249.9	167.4	82.5	139	299.9	200.9	99.0	289	167	144
	* -5	221.2	139.9	81.3	137	265.4	167.9	97.6	284	165	142
	*-10	198.1	118.1	80.0	135	237.7	141.7	96.0	280	162	140



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-4H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	494.4	409.8	84.6	144	593.3	491.8	101.5	-	173	150
	5	433.5	351.2	82.3	140	520.2	421.4	98.8	-	169	146
	0	380.7	300.6	80.1	137	456.8	360.7	96.1	-	164	142
	-5	333.4	255.4	78.0	133	400.1	306.5	93.6	-	160	138
	-10	290.0	214.2	75.8	129	348.0	257.0	91.0	-	155	134
	-15	249.7	176.2	73.5	125	299.6	211.4	88.2	-	151	130
45	10	487.0	393.1	93.9	160	584.4	471.7	112.7	-	192	166
	5	427.0	335.9	91.1	156	512.4	403.1	109.3	-	187	161
	0	374.5	286.1	88.4	151	449.4	343.3	106.1	-	181	156
	-5	327.3	241.4	85.9	147	392.8	289.7	103.1	-	176	152
	-10	284.2	200.7	83.5	143	341.0	240.8	100.2	-	171	148
	*-15	244.3	163.3	81.0	138	293.2	196.0	97.2	-	166	143
50	10	476.3	373.5	102.8	174	571.6	448.2	123.4	-	208	180
	5	417.6	318.0	99.6	168	501.1	381.6	119.5	-	202	174
	2	386.0	288.2	97.8	165	463.2	345.8	117.4	-	198	171
	0	366.1	269.4	96.7	163	439.3	323.3	116.0	-	196	169
	-5	319.8	225.8	94.0	159	383.8	271.0	112.8	-	190	164
	*-10	277.4	185.9	91.5	154	332.9	223.1	109.8	-	185	160
	*-15	238.5	149.4	89.1	150	286.2	179.3	106.9	-	180	156
55	10	465.1	353.8	111.3	188	558.1	424.6	133.6	-	225	195
	5	408.2	300.1	108.1	182	489.8	360.1	129.7	-	219	189
	* 0	358.0	252.8	105.2	178	429.6	303.4	126.2	-	213	184
	* -5	312.8	210.2	102.6	173	375.4	252.2	123.1	-	208	180
	*-10	271.5	171.3	100.2	169	325.8	205.6	120.2	-	203	175
	*-15	234.1	135.9	98.2	166	280.9	163.1	117.8	-	199	172
60	* 10	456.3	336.3	120.0	203	547.6	403.6	144.0	-	243	210
	* 5	401.0	284.1	116.9	197	481.2	340.9	140.3	-	237	205
	* 0	352.1	237.9	114.2	193	422.5	285.5	137.0	-	231	200
	* -5	308.1	196.2	111.9	189	369.7	235.4	134.3	-	227	196
	*-10	268.1	158.2	109.9	186	321.7	189.8	131.9	-	223	192



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-5H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	626.1	522.7	103.4	177	751.3	627.2	124.1	-	212	183
	5	553.1	452.6	100.5	172	663.7	543.1	120.6	-	206	178
	0	484.4	386.6	97.8	167	581.3	463.9	117.4	-	200	173
	-5	422.1	326.9	95.2	163	506.5	392.3	114.2	-	195	168
	-10	367.0	274.5	92.5	158	440.4	329.4	111.0	-	189	164
	-15	319.1	229.5	89.6	153	382.9	275.4	107.5	-	184	159
45	10	610.7	496.4	114.3	195	732.8	595.7	137.2	-	234	202
	5	537.8	426.7	111.1	190	645.4	512.0	133.3	-	228	197
	0	469.5	361.3	108.2	185	563.4	433.6	129.8	-	222	191
	-5	407.5	302.2	105.3	180	489.0	362.6	126.4	-	216	186
	-10	352.8	250.5	102.3	175	423.4	300.6	122.8	-	210	181
	*-15	305.3	206.3	99.0	169	366.4	247.6	118.8	-	203	175
50	10	589.3	464.4	124.9	211	707.2	557.3	149.9	-	253	219
	5	518.4	396.8	121.6	205	622.1	476.2	145.9	-	246	213
	2	477.8	358.0	119.8	202	573.4	429.6	143.8	-	243	210
	0	451.7	333.2	118.5	200	542.0	399.8	142.2	-	240	207
	-5	391.2	275.8	115.4	195	469.4	331.0	138.5	-	234	202
	*-10	337.7	225.6	112.1	189	405.2	270.7	134.5	-	227	196
	*-15	291.7	183.1	108.6	183	350.0	219.7	130.3	-	220	190
55	10	566.4	430.9	135.5	229	679.7	517.1	162.6	-	274	237
	5	498.7	366.4	132.3	223	598.4	439.7	158.8	-	268	231
	* 0	434.4	305.3	129.1	218	521.3	366.4	154.9	-	262	226
	* -5	376.0	250.2	125.8	212	451.2	300.2	151.0	-	255	220
	*-10	324.3	202.0	122.3	206	389.2	242.4	146.8	-	248	214
	*-15	279.7	161.3	118.4	200	335.6	193.6	142.1	-	240	207
60	* 10	546.4	399.7	146.7	248	655.7	479.6	176.0	-	297	257
	* 5	482.0	338.4	143.6	242	578.4	406.1	172.3	-	291	251
	* 0	420.5	280.2	140.3	237	504.6	336.2	168.4	-	284	245
	* -5	364.3	227.4	136.9	231	437.2	272.9	164.3	-	277	240
	*-10	314.3	181.3	133.0	225	377.2	217.6	159.6	-	269	233



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-561H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	656.0	548.9	107.1	185	787.2	658.7	128.5	-	222	192
	5	580.0	475.2	104.8	181	696.0	570.2	125.8	-	217	188
	0	508.0	406.0	102.0	176	609.6	487.2	122.4	-	211	183
	-5	442.3	343.3	99.0	171	530.8	412.0	118.8	-	205	177
	-10	384.2	288.2	96.0	166	461.0	345.8	115.2	-	199	172
	-15	334.2	240.9	93.3	161	401.0	289.1	112.0	-	193	167
45	10	639.6	521.2	118.4	204	767.5	625.4	142.1	-	245	212
	5	563.8	448.0	115.8	200	676.6	537.6	139.0	-	240	207
	0	491.9	379.3	112.6	194	590.3	455.2	135.1	-	233	201
	-5	426.6	317.3	109.3	189	511.9	380.8	131.2	-	226	196
	-10	369.0	263.0	106.0	183	442.8	315.6	127.2	-	220	190
	*-15	319.7	216.6	103.1	178	383.6	259.9	123.7	-	214	184
50	10	616.9	487.6	129.3	221	740.3	585.1	155.2	-	265	229
	5	543.1	416.6	126.5	216	651.7	499.9	151.8	-	259	224
	2	500.5	375.9	124.6	213	600.6	451.1	149.5	-	255	220
	0	473.1	349.9	123.2	210	567.7	419.9	147.8	-	252	218
	-5	409.2	289.6	119.6	204	491.0	347.5	143.5	-	245	212
	*-10	353.0	236.9	116.1	198	423.6	284.3	139.3	-	238	205
	*-15	305.4	192.2	113.2	193	366.5	230.6	135.8	-	232	200
55	10	592.7	452.5	140.2	239	711.2	543.0	168.2	-	287	248
	5	522.2	384.7	137.5	235	626.6	461.6	165.0	-	282	243
	* 0	454.6	320.6	134.0	229	545.5	384.7	160.8	-	275	237
	* -5	393.0	262.7	130.3	222	471.6	315.2	156.4	-	267	231
	*-10	338.9	212.2	126.7	216	406.7	254.6	152.0	-	260	224
	*-15	293.3	169.4	123.9	212	352.0	203.3	148.7	-	254	219
60	* 10	571.6	419.7	151.9	259	685.9	503.6	182.3	-	311	269
	* 5	504.5	355.3	149.2	255	605.4	426.4	179.0	-	306	264
	* 0	439.9	294.2	145.7	249	527.9	353.0	174.8	-	298	258
	* -5	380.6	238.8	141.8	242	456.7	286.6	170.2	-	290	251
	*-10	328.6	190.4	138.2	236	394.3	228.5	165.8	-	283	245



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-6H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	763.9	636.4	127.5	218	916.7	763.7	153.0	-	261	226
	5	661.8	539.1	122.7	209	794.2	646.9	147.2	-	251	217
	0	575.8	456.8	119.0	203	691.0	548.2	142.8	-	244	211
	-5	501.5	385.8	115.7	198	601.8	463.0	138.8	-	237	205
	-10	435.8	323.6	112.2	192	523.0	388.3	134.6	-	230	199
	-15	376.9	268.8	108.1	185	452.3	322.6	129.7	-	221	191
45	10	744.3	604.9	139.4	238	893.2	725.9	167.3	-	286	247
	5	648.6	513.8	134.8	230	778.3	616.6	161.8	-	276	238
	0	566.0	434.8	131.2	224	679.2	521.8	157.4	-	269	232
	-5	493.4	365.4	128.0	219	592.1	438.5	153.6	-	262	226
	-10	428.6	304.0	124.6	213	514.3	364.8	149.5	-	255	220
	*-15	369.9	249.3	120.6	206	443.9	299.2	144.7	-	247	213
50	10	721.7	570.3	151.4	258	866.0	684.4	181.7	-	310	268
	5	631.7	484.8	146.9	251	758.0	581.8	176.3	-	301	260
	2	583.1	438.4	144.7	244	699.7	526.1	173.6	-	296	256
	0	552.6	409.2	143.4	245	663.1	491.0	172.1	-	294	254
	-5	482.0	341.7	140.3	240	578.4	410.0	168.4	-	287	248
	*-10	418.2	281.2	137.0	234	501.8	337.4	164.4	-	281	242
	*-15	360.3	227.2	133.1	227	432.4	272.6	159.7	-	273	235
55	10	700.5	536.3	164.2	280	840.6	643.6	197.0	-	333	287
	5	615.4	455.8	159.6	272	738.5	547.0	191.5	-	323	279
	* 0	539.2	383.1	156.1	266	647.0	459.7	187.3	-	316	273
	* -5	470.2	317.2	153.0	261	564.2	380.6	183.6	-	310	268
	*-10	407.4	257.7	149.7	256	488.9	309.2	179.6	-	303	262
	*-15	350.2	204.4	145.8	249	420.2	245.3	175.0	-	295	255
60	* 10	685.0	506.4	178.6	305	822.0	607.7	214.3	-	362	312
	* 5	603.2	429.5	173.7	297	723.8	515.4	208.4	-	352	304
	* 0	528.8	358.8	170.0	290	634.6	430.6	204.0	-	344	297
	* -5	460.6	294.0	166.6	284	552.7	352.8	199.9	-	337	291
	*-10	398.4	235.3	163.1	278	478.1	282.4	195.7	-	330	285



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Superheat: 5°C; Subcooling: 5°C.
 4. 1 kW = 860 kcal/hr.

R22

Model		SR-7H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	929.7	778.3	151.4	258	1115.6	934.0	181.7	-	310	268
	5	812.9	665.0	147.9	252	975.5	798.0	177.5	-	303	262
	0	710.9	566.9	144.0	246	853.1	680.3	172.8	-	295	255
	-5	620.3	480.4	139.9	239	744.4	576.5	167.9	-	287	248
	-10	538.7	403.1	135.6	231	646.4	483.7	162.7	-	278	240
	-15	464.9	333.7	131.2	224	557.9	400.4	157.4	-	269	232
45	10	907.3	740.5	166.8	285	1088.8	888.6	200.2	-	342	295
	5	795.1	632.3	162.8	278	954.1	758.8	195.4	-	334	288
	0	695.4	537.0	158.4	270	834.5	644.4	190.1	-	324	280
	-5	605.9	451.9	154.0	263	727.1	542.3	184.8	-	315	272
	-10	524.6	375.3	149.3	255	629.5	450.4	179.2	-	306	264
	*-15	451.0	306.3	144.7	247	541.2	367.6	173.6	-	296	256
50	10	879.4	697.3	182.1	307	1055.3	836.8	218.5	-	369	319
	5	772.6	594.9	177.7	300	927.1	713.9	213.2	-	360	311
	2	713.6	538.7	174.9	295	856.3	646.4	209.9	-	354	306
	0	676.2	503.1	173.1	292	811.4	603.7	207.7	-	351	303
	-5	588.4	420.1	168.3	284	706.1	504.1	202.0	-	341	294
	*-10	508.3	344.9	163.4	276	610.0	413.9	196.1	-	331	286
	*-15	435.8	277.1	158.7	268	523.0	332.5	190.4	-	321	278
55	10	852.5	654.3	198.2	335	1023.0	785.2	237.8	-	402	347
	5	751.1	557.6	193.5	327	901.3	669.1	232.2	-	392	339
	* 0	658.0	469.3	188.7	319	789.6	563.2	226.4	-	382	330
	* -5	572.1	388.5	183.6	310	686.5	466.2	220.3	-	372	321
	*-10	493.5	314.9	178.6	302	592.2	377.9	214.3	-	362	312
	*-15	422.6	248.5	174.1	294	507.1	298.2	208.9	-	353	305
60	* 10	832.1	616.0	216.1	365	998.5	739.2	259.3	-	438	378
	* 5	735.3	524.0	211.3	357	882.4	628.8	253.6	-	428	370
	* 0	644.9	438.7	206.2	348	773.9	526.4	247.4	-	418	361
	* -5	560.9	359.9	201.0	339	673.1	431.9	241.2	-	407	352
	*-10	483.7	287.7	196.0	331	580.4	345.2	235.2	-	397	343



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.

R22

Model		SR-8H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
40	10	1182.7	989.3	193.4	330	1419.2	1187.2	232.1	-	396	342
	5	1027.3	837.9	189.4	323	1232.8	1005.5	227.3	-	388	335
	0	892.4	708.8	183.6	313	1070.9	850.6	220.3	-	376	325
	-5	778.3	601.3	177.0	302	934.0	721.6	212.4	-	363	313
	-10	684.2	513.7	170.5	291	821.0	616.4	204.6	-	349	302
	-15	607.8	443.4	164.4	281	729.4	532.1	197.3	-	337	291
45	10	1159.6	945.3	214.3	366	1391.5	1134.4	257.2	-	439	379
	5	1012.5	803.2	209.3	357	1215.0	963.8	251.2	-	429	370
	0	882.1	679.3	202.8	346	1058.5	815.2	243.4	-	415	359
	-5	770.5	574.6	195.9	334	924.6	689.5	235.1	-	401	347
	-10	677.1	488.0	189.1	323	812.5	585.6	226.9	-	387	335
	*-15	600.5	417.6	182.9	312	720.6	501.1	219.5	-	375	324
50	10	1127.2	893.3	233.9	395	1352.6	1072.0	280.7	-	474	409
	5	989.1	760.7	228.4	386	1186.9	912.8	274.1	-	463	400
	2	912.6	688.1	224.5	379	1095.1	825.7	269.4	-	455	393
	0	864.6	642.9	221.7	374	1037.5	771.5	266.0	-	449	388
	-5	756.3	541.7	214.6	362	907.6	650.0	257.5	-	435	375
	*-10	664.8	457.0	207.8	351	797.8	548.4	249.4	-	421	364
	*-15	589.4	387.6	201.8	341	707.3	465.1	242.2	-	409	353
55	10	1091.6	838.8	252.8	427	1309.9	1006.6	303.4	-	512	442
	5	962.5	715.4	247.1	417	1155.0	858.5	296.5	-	501	432
	* 0	844.0	603.7	240.3	406	1012.8	724.4	288.4	-	487	420
	* -5	739.6	506.3	233.3	394	887.5	607.6	280.0	-	473	408
	*-10	650.7	423.8	226.9	383	780.8	508.6	272.3	-	460	397
	*-15	577.2	355.7	221.5	374	692.6	426.8	265.8	-	449	388
60	* 10	1058.2	786.6	271.6	459	1269.8	943.9	325.9	-	550	475
	* 5	937.4	671.5	265.9	449	1124.9	805.8	319.1	-	539	465
	* 0	824.5	565.3	259.2	438	989.4	678.4	311.0	-	525	453
	* -5	723.8	471.3	252.5	426	868.6	565.6	303.0	-	512	442
	*-10	637.7	391.1	246.6	416	765.2	469.3	295.9	-	500	431



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with " * " indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.

R407C

Model		SR-1H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	212.9	181.4	31.5	54	255.5	217.7	37.8	111	65	56
	5	184.2	153.8	30.4	52	221.0	184.6	36.5	108	62	54
	0	157.8	128.4	29.4	50	189.4	154.1	35.3	104	60	52
	-5	134.0	105.5	28.5	49	160.8	126.6	34.2	101	58	50
	-10	113.1	85.3	27.8	47	135.7	102.4	33.4	98	57	49
	-15	95.0	67.8	27.2	46	114.0	81.4	32.6	96	56	48
40	10	208.4	173.5	34.9	60	250.1	208.2	41.9	123	71	62
	5	179.8	146.1	33.7	58	215.8	175.3	40.4	119	69	60
	0	153.6	121.0	32.6	56	184.3	145.2	39.1	115	67	58
	-5	130.1	98.5	31.6	54	156.1	118.2	37.9	112	65	56
	-10	109.3	78.6	30.7	52	131.2	94.3	36.8	109	63	54
	-15	91.5	61.6	29.9	51	109.8	73.9	35.9	106	61	53
45	10	200.5	162.3	38.2	65	240.6	194.8	45.8	135	78	68
	5	172.7	135.7	37.0	63	207.2	162.8	44.4	131	76	65
	0	147.2	111.4	35.8	61	176.6	133.7	43.0	127	73	63
	-5	124.2	89.6	34.6	59	149.0	107.5	41.5	122	71	61
	-10	104.0	70.5	33.5	57	124.8	84.6	40.2	119	69	59
	-15	86.8	54.2	32.6	56	104.2	65.0	39.1	115	67	58
*50	10	191.0	149.4	41.6	71	229.2	179.3	49.9	147	85	74
	5	164.3	123.9	40.4	69	197.2	148.7	48.5	143	83	71
	2	149.3	109.6	39.7	69	179.2	131.5	47.6	142	82	71
	0	139.8	100.6	39.2	67	167.8	120.7	47.0	139	80	69
	-5	117.7	79.8	37.9	65	141.2	95.8	45.5	134	78	67
	* -10	98.3	61.7	36.6	62	118.0	74.0	43.9	130	75	65
	* -15	81.7	46.3	35.4	60	98.0	55.6	42.5	125	73	63
*55	10	181.4	136.0	45.4	78	217.7	163.2	54.5	161	93	80
	5	156.0	111.7	44.3	76	187.2	134.0	53.2	157	91	78
	0	132.6	89.5	43.1	74	159.1	107.4	51.7	153	88	76
	* -5	111.5	69.9	41.6	71	133.8	83.9	49.9	147	85	74
	* -10	92.9	52.8	40.1	68	111.5	63.4	48.1	142	82	71
*60	* 10	173.2	123.1	50.1	86	207.8	147.7	60.1	177	103	89
	* 5	149.2	100.0	49.2	84	179.0	120.0	59.0	174	101	87
	* 0	126.9	79.0	47.9	82	152.3	94.8	57.5	169	98	85
	* -5	106.8	60.4	46.4	79	128.2	72.5	55.7	164	95	82



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Performance data are based on dew point.
 4. Superheat: 5°C; Subcooling: 5°C.
 5. 1 kW = 860 kcal/hr.

R407C

Model		SR-2H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	244.6	209.7	34.9	60	293.5	251.6	41.9	123	71	62
	5	214.3	180.2	34.1	58	257.2	216.2	40.9	121	70	60
	0	185.1	151.8	33.3	57	222.1	182.2	40.0	118	68	59
	-5	157.6	125.1	32.5	55	189.1	150.1	39.0	115	67	57
	-10	132.1	100.5	31.6	54	158.5	120.6	37.9	112	65	56
	-15	108.8	78.3	30.5	52	130.6	94.0	36.6	108	62	54
40	10	247.1	207.8	39.3	67	296.5	249.4	47.2	139	81	70
	5	215.4	176.8	38.6	66	258.5	212.2	46.3	137	79	68
	0	185.4	147.5	37.9	65	222.5	177.0	45.5	134	78	67
	-5	157.4	120.3	37.1	63	188.9	144.4	44.5	131	76	66
	-10	131.7	95.6	36.1	62	158.0	114.7	43.3	128	74	64
	-15	108.6	73.6	35.0	60	130.3	88.3	42.0	124	72	62
45	10	244.1	200.3	43.8	75	292.9	240.4	52.6	155	90	77
	5	212.0	168.8	43.2	74	254.4	202.6	51.8	153	88	76
	0	181.9	139.4	42.5	73	218.3	167.3	51.0	150	87	75
	-5	154.1	112.4	41.7	71	184.9	134.9	50.0	148	85	74
	-10	128.7	88.1	40.6	69	154.4	105.7	48.7	144	83	72
	-15	106.3	66.8	39.5	67	127.6	80.2	47.4	140	81	70
*50	10	236.7	188.2	48.5	83	284.0	225.8	58.2	172	99	86
	5	204.9	156.9	48.0	82	245.9	188.3	57.6	170	98	85
	2	186.9	139.3	47.6	82	224.3	167.1	57.1	170	98	85
	0	175.4	128.1	47.3	81	210.5	153.7	56.8	167	97	84
	-5	148.2	101.9	46.3	79	177.8	122.3	55.6	164	95	82
	* -10	123.8	78.6	45.2	77	148.6	94.3	54.2	160	93	80
	* -15	102.2	58.4	43.8	75	122.6	70.1	52.6	155	90	77
*55	10	226.1	172.5	53.6	92	271.3	207.0	64.3	190	110	95
	5	195.2	142.1	53.1	91	234.2	170.5	63.7	188	109	94
	0	166.7	114.4	52.3	89	200.0	137.3	62.8	185	107	93
	* -5	140.7	89.5	51.2	87	168.8	107.4	61.4	181	105	91
	* -10	117.2	67.6	49.6	85	140.6	81.1	59.5	176	102	88
*60	* 10	213.5	154.1	59.4	101	256.2	184.9	71.3	210	122	105
	* 5	183.9	125.1	58.8	100	220.7	150.1	70.6	208	120	104
	* 0	156.7	99.0	57.7	99	188.0	118.8	69.2	204	118	102
	* -5	132.0	75.8	56.2	96	158.4	91.0	67.4	199	115	99



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Performance data are based on dew point.
4. Superheat: 5°C; Subcooling: 5°C.
5. 1 kW = 860 kcal/hr.

R407C

Model		SR-3H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	280.9	240.3	40.6	69	337.1	288.4	48.7	144	83	72
	5	246.5	206.8	39.7	68	295.8	248.2	47.6	140	81	70
	0	213.3	174.4	38.9	66	256.0	209.3	46.7	138	80	69
	-5	181.9	144.0	37.9	65	218.3	172.8	45.5	134	78	67
	-10	153.4	116.5	36.9	63	184.1	139.8	44.3	131	76	65
	-15	127.9	92.1	35.8	61	153.5	110.5	43.0	127	73	63
40	10	279.6	233.8	45.8	78	335.5	280.6	55.0	162	94	81
	5	246.1	200.9	45.2	77	295.3	241.1	54.2	160	93	80
	0	213.2	168.8	44.4	76	255.8	202.6	53.3	157	91	79
	-5	182.4	138.9	43.5	74	218.9	166.7	52.2	154	89	77
	-10	154.1	111.6	42.5	73	184.9	133.9	51.0	150	87	75
	-15	128.9	87.6	41.3	71	154.7	105.1	49.6	146	85	73
45	10	274.0	222.8	51.2	87	328.8	267.4	61.4	181	105	91
	5	241.2	190.5	50.7	87	289.4	228.6	60.8	179	104	90
	0	209.2	159.1	50.1	86	251.0	190.9	60.1	177	103	89
	-5	178.9	129.8	49.1	84	214.7	155.8	58.9	174	101	87
	-10	151.2	103.3	47.9	82	181.4	124.0	57.5	169	98	85
	-15	126.6	80.0	46.6	80	151.9	96.0	55.9	165	95	82
*50	10	265.4	208.6	56.8	97	318.5	250.3	68.2	201	116	100
	5	233.3	176.8	56.5	96	280.0	212.2	67.8	200	116	100
	2	214.3	158.2	56.1	96	257.2	189.8	67.3	200	116	100
	0	202.0	146.2	55.8	95	242.4	175.4	67.0	197	114	99
	-5	172.4	117.7	54.7	93	206.9	141.2	65.6	194	112	97
	* -10	145.4	92.2	53.2	91	174.5	110.6	63.8	188	109	94
	* -15	121.5	70.0	51.5	88	145.8	84.0	61.8	182	106	91
*55	10	254.8	192.0	62.8	107	305.8	230.4	75.4	222	129	111
	5	223.3	160.8	62.5	107	268.0	193.0	75.0	221	128	111
	0	192.5	130.9	61.6	105	231.0	157.1	73.9	218	126	109
	* -5	163.6	103.5	60.1	103	196.3	124.2	72.1	213	123	106
	* -10	137.3	79.2	58.1	99	164.8	95.0	69.7	206	119	103
*60	* 10	243.6	174.2	69.4	118	292.3	209.0	83.3	246	142	123
	* 5	212.0	143.2	68.8	117	254.4	171.8	82.6	243	141	122
	* 0	181.6	114.2	67.4	115	217.9	137.0	80.9	238	138	119
	* -5	153.2	87.9	65.3	111	183.8	105.5	78.4	231	134	116



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Performance data are based on dew point.
4. Superheat: 5°C; Subcooling: 5°C.
5. 1 kW = 860 kcal/hr.

R407C

Model		SR-434H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	375.8	321.7	54.1	92	451.0	386.0	64.9	191	111	96
	5	320.4	267.9	52.5	90	384.5	321.5	63.0	186	108	93
	0	269.7	219.3	50.4	86	323.6	263.2	60.5	178	103	89
	-5	224.1	176.1	48.0	82	268.9	211.3	57.6	170	98	85
	-10	183.8	138.1	45.7	78	220.6	165.7	54.8	162	94	81
	-15	149.1	105.2	43.9	75	178.9	126.2	52.7	155	90	78
40	10	371.3	311.6	59.7	102	445.6	373.9	71.6	211	122	106
	5	316.4	258.4	58.0	99	379.7	310.1	69.6	205	119	103
	0	266.4	210.6	55.8	95	319.7	252.7	67.0	197	114	99
	-5	221.5	168.2	53.3	91	265.8	201.8	64.0	189	109	94
	-10	182.1	131.2	50.9	87	218.5	157.4	61.1	180	104	90
	-15	148.5	99.4	49.1	84	178.2	119.3	58.9	174	101	87
45	10	361.5	296.3	65.2	111	433.8	355.6	78.2	231	134	115
	5	307.8	244.3	63.5	108	369.4	293.2	76.2	225	130	112
	0	259.0	197.8	61.2	104	310.8	237.4	73.4	217	125	108
	-5	215.6	157.0	58.6	100	258.7	188.4	70.3	207	120	104
	-10	177.6	121.5	56.1	96	213.1	145.8	67.3	199	115	99
	-15	145.5	91.2	54.3	93	174.6	109.4	65.2	192	111	96
*50	10	349.0	277.9	71.1	121	418.8	333.5	85.3	252	146	126
	5	296.8	227.4	69.4	118	356.2	272.9	83.3	246	142	123
	2	267.9	199.9	68.0	117	321.5	239.9	81.6	243	141	122
	0	249.7	182.7	67.0	114	299.6	219.2	80.4	237	137	119
	-5	207.9	143.6	64.3	110	249.5	172.3	77.2	228	132	114
	* -10	171.7	110.0	61.7	105	206.0	132.0	74.0	218	126	109
	* -15	141.5	81.5	60.0	102	169.8	97.8	72.0	212	123	106
*55	10	336.0	258.2	77.8	133	403.2	309.8	93.4	275	159	138
	5	285.5	209.3	76.2	130	342.6	251.2	91.4	270	156	135
	0	240.3	166.5	73.8	126	288.4	199.8	88.6	261	151	131
	* -5	200.4	129.4	71.0	121	240.5	155.3	85.2	251	145	126
	* -10	166.1	97.7	68.4	117	199.3	117.2	82.1	242	140	121
*60	* 10	324.7	238.5	86.2	147	389.6	286.2	103.4	305	177	153
	* 5	276.1	191.3	84.8	145	331.3	229.6	101.8	300	174	150
	* 0	232.8	150.4	82.4	141	279.4	180.5	98.9	292	169	146
	* -5	194.8	115.2	79.6	136	233.8	138.2	95.5	282	163	141



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Performance data are based on dew point.
 4. Superheat: 5°C; Subcooling: 5°C.
 5. 1 kW = 860 kcal/hr.

R407C

Model		SR-4H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	578.3	501.1	77.2	132	694.0	601.3	92.6	-	158	137
	5	486.8	412.1	74.7	128	584.2	494.5	89.6	-	153	132
	0	402.4	330.8	71.6	122	482.9	397.0	85.9	-	147	127
	-5	328.1	260.0	68.1	116	393.7	312.0	81.7	-	140	120
	-10	264.8	200.4	64.4	110	317.8	240.5	77.3	-	132	114
	-15	212.9	152.1	60.8	104	255.5	182.5	73.0	-	125	108
40	10	566.1	480.5	85.6	146	679.3	576.6	102.7	-	175	151
	5	475.7	392.7	83.0	142	570.8	471.2	99.6	-	170	147
	0	393.2	313.5	79.7	136	471.8	376.2	95.6	-	163	141
	-5	321.1	245.1	76.0	130	385.3	294.1	91.2	-	156	134
	-10	260.3	188.2	72.1	123	312.4	225.8	86.5	-	148	128
	-15	210.4	142.3	68.1	116	252.5	170.8	81.7	-	140	120
45	10	545.6	451.7	93.9	160	654.7	542.0	112.7	-	192	166
	5	458.0	366.8	91.2	156	549.6	440.2	109.4	-	187	161
	0	378.9	291.2	87.7	150	454.7	349.4	105.2	-	180	155
	-5	310.2	226.4	83.8	143	372.2	271.7	100.6	-	172	148
	-10	252.5	173.0	79.5	136	303.0	207.6	95.4	-	163	141
	-15	205.3	130.2	75.1	128	246.4	156.2	90.1	-	154	133
*50	10	521.1	418.6	102.5	175	625.3	502.3	123.0	-	210	181
	5	437.5	337.8	99.7	170	525.0	405.4	119.6	-	204	176
	2	391.4	293.8	97.6	168	469.7	352.6	117.1	-	202	175
	0	362.6	266.6	96.0	164	435.1	319.9	115.2	-	197	170
	-5	297.9	206.2	91.7	157	357.5	247.4	110.0	-	188	162
	* -10	243.6	156.7	86.9	148	292.3	188.0	104.3	-	178	154
	* -15	199.1	117.4	81.7	139	238.9	140.9	98.0	-	167	145
*55	10	496.6	384.6	112.0	191	595.9	461.5	134.4	-	229	198
	5	417.6	308.5	109.1	186	501.1	370.2	130.9	-	223	193
	0	347.2	242.1	105.1	179	416.6	290.5	126.1	-	215	186
	* -5	286.4	186.2	100.2	171	343.7	223.4	120.2	-	205	177
	* -10	235.3	140.8	94.5	161	282.4	169.0	113.4	-	194	167
*60	* 10	475.9	352.4	123.5	211	571.1	422.9	148.2	-	253	218
	* 5	401.5	281.2	120.3	205	481.8	337.4	144.4	-	246	213
	* 0	335.3	219.5	115.8	198	402.4	263.4	139.0	-	237	205
	* -5	277.9	168.0	109.9	188	333.5	201.6	131.9	-	225	194



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Performance data are based on dew point.
 4. Superheat: 5°C; Subcooling: 5°C.
 5. 1 kW = 860 kcal/hr.

R407C

Model		SR-5H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	667.6	578.5	89.1	152	801.1	694.2	106.9	-	183	158
	5	562.1	475.8	86.3	147	674.5	571.0	103.6	-	177	153
	0	465.3	382.5	82.8	141	558.4	459.0	99.4	-	170	146
	-5	379.4	300.6	78.8	135	455.3	360.7	94.6	-	161	139
	-10	304.5	230.4	74.1	126	365.4	276.5	88.9	-	152	131
	-15	240.7	172.0	68.7	117	288.8	206.4	82.4	-	141	122
40	10	650.7	552.3	98.4	168	780.8	662.8	118.1	-	202	174
	5	546.8	451.4	95.4	163	656.2	541.7	114.5	-	195	169
	0	453.1	361.2	91.9	157	543.7	433.4	110.3	-	188	163
	-5	370.5	282.8	87.7	150	444.6	339.4	105.2	-	180	155
	-10	299.3	216.4	82.9	142	359.2	259.7	99.5	-	170	147
	-15	239.0	161.6	77.4	132	286.8	193.9	92.9	-	159	137
45	10	623.6	516.3	107.3	183	748.3	619.6	128.8	-	220	190
	5	523.8	419.5	104.3	178	628.6	503.4	125.2	-	214	185
	0	434.8	334.1	100.7	172	521.8	400.9	120.8	-	206	178
	-5	357.3	260.8	96.5	165	428.8	313.0	115.8	-	198	171
	-10	290.9	199.3	91.6	156	349.1	239.2	109.9	-	188	162
	-15	234.7	148.9	85.8	146	281.6	178.7	103.0	-	176	152
*50	10	591.7	475.3	116.4	199	710.0	570.4	139.7	-	238	206
	5	497.4	384.1	113.3	193	596.9	460.9	136.0	-	232	200
	2	446.3	335.1	111.3	192	535.6	402.1	133.5	-	231	199
	0	414.4	304.7	109.7	187	497.3	365.6	131.6	-	225	194
	-5	342.7	237.2	105.5	180	411.2	284.6	126.6	-	216	187
	* -10	281.5	181.1	100.4	171	337.8	217.3	120.5	-	206	178
	* -15	229.8	135.5	94.3	161	275.8	162.6	113.2	-	193	167
*55	10	559.5	433.3	126.2	215	671.4	520.0	151.4	-	259	223
	5	471.9	348.6	123.3	210	566.3	418.3	148.0	-	253	218
	0	395.4	275.7	119.7	204	474.5	330.8	143.6	-	245	212
	* -5	329.6	214.3	115.3	197	395.5	257.2	138.4	-	236	204
	* -10	273.6	163.7	109.9	188	328.3	196.4	131.9	-	225	194
*60	* 10	531.8	393.8	138.0	236	638.2	472.6	165.6	-	283	244
	* 5	450.9	315.8	135.1	231	541.1	379.0	162.1	-	277	239
	* 0	380.8	249.3	131.5	224	457.0	299.2	157.8	-	269	233
	* -5	320.8	193.9	126.9	217	385.0	232.7	152.3	-	260	225



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Performance data are based on dew point.
 4. Superheat: 5°C; Subcooling: 5°C.
 5. 1 kW = 860 kcal/hr.

R407C

Model		SR-561H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	700.2	607.6	92.6	158	840.2	729.1	111.1	-	190	164
	5	589.7	499.7	90.0	154	707.6	599.6	108.0	-	184	159
	0	488.3	401.8	86.5	148	586.0	482.2	103.8	-	177	153
	-5	398.0	315.7	82.3	140	477.6	378.8	98.8	-	169	146
	-10	319.4	242.1	77.3	132	383.3	290.5	92.8	-	158	137
	-15	252.2	180.7	71.5	122	302.6	216.8	85.8	-	146	126
40	10	682.1	580.2	101.9	174	818.5	696.2	122.3	-	209	180
	5	573.3	474.1	99.2	169	688.0	568.9	119.0	-	203	176
	0	475.1	379.4	95.7	163	570.1	455.3	114.8	-	196	169
	-5	388.5	297.1	91.4	156	466.2	356.5	109.7	-	187	162
	-10	313.8	227.4	86.4	147	376.6	272.9	103.7	-	177	153
	-15	250.5	169.8	80.7	138	300.6	203.8	96.8	-	165	143
45	10	653.3	542.4	110.9	189	784.0	650.9	133.1	-	227	196
	5	548.9	440.7	108.2	185	658.7	528.8	129.8	-	222	191
	0	455.6	351.0	104.6	179	546.7	421.2	125.5	-	214	185
	-5	374.4	274.0	100.4	171	449.3	328.8	120.5	-	206	178
	-10	304.7	209.4	95.3	163	365.6	251.3	114.4	-	195	169
	-15	245.8	156.4	89.4	153	295.0	187.7	107.3	-	183	158
*50	10	619.6	499.3	120.3	205	743.5	599.2	144.4	-	246	213
	5	521.0	403.5	117.5	201	625.2	484.2	141.0	-	241	208
	2	467.4	352.1	115.4	199	560.9	422.4	138.5	-	239	207
	0	434.0	320.1	113.9	194	520.8	384.1	136.7	-	233	202
	-5	358.8	249.2	109.6	187	430.6	299.0	131.5	-	225	194
	* -10	294.7	190.3	104.4	178	353.6	228.4	125.3	-	214	185
	* -15	240.4	142.3	98.1	167	288.5	170.8	117.7	-	201	174
*55	10	586.1	455.2	130.9	223	703.3	546.2	157.1	-	268	232
	5	494.2	366.2	128.0	219	593.0	439.4	153.6	-	262	226
	0	413.9	289.6	124.3	212	496.7	347.5	149.2	-	255	220
	* -5	345.0	225.2	119.8	205	414.0	270.2	143.8	-	245	212
	* -10	286.1	172.0	114.1	195	343.3	206.4	136.9	-	234	202
*60	* 10	557.7	413.6	144.1	246	669.2	496.3	172.9	-	295	255
	* 5	472.7	331.7	141.0	241	567.2	398.0	169.2	-	289	249
	* 0	398.9	261.9	137.0	234	478.7	314.3	164.4	-	281	242
	* -5	335.6	203.7	131.9	225	402.7	244.4	158.3	-	270	233



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Performance data are based on dew point.
 4. Superheat: 5°C; Subcooling: 5°C.
 5. 1 kW = 860 kcal/hr.

R407C

Model		SR-6H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	836.2	718.6	117.6	201	1003.4	862.3	141.1	-	241	208
	5	719.2	606.8	112.4	192	863.0	728.2	134.9	-	230	199
	0	605.7	498.5	107.2	183	726.8	598.2	128.6	-	220	190
	-5	499.7	398.1	101.6	173	599.6	477.7	121.9	-	208	180
	-10	403.7	308.4	95.3	163	484.4	370.1	114.4	-	195	169
	-15	319.4	231.0	88.4	151	383.3	277.2	106.1	-	181	156
40	10	821.2	692.2	129.0	220	985.4	830.6	154.8	-	264	228
	5	703.4	579.2	124.2	212	844.1	695.0	149.0	-	254	220
	0	590.5	471.6	118.9	203	708.6	565.9	142.7	-	244	210
	-5	486.4	373.3	113.1	193	583.7	448.0	135.7	-	232	200
	-10	393.1	286.5	106.6	182	471.7	343.8	127.9	-	218	189
	-15	311.7	212.3	99.4	170	374.0	254.8	119.3	-	204	176
45	10	789.8	649.3	140.5	240	947.8	779.2	168.6	-	288	249
	5	674.6	538.8	135.8	232	809.5	646.6	163.0	-	278	240
	0	565.5	434.9	130.6	223	678.6	521.9	156.7	-	268	231
	-5	465.8	341.1	124.7	213	559.0	409.3	149.6	-	255	221
	-10	377.1	259.0	118.1	202	452.5	310.8	141.7	-	242	209
	-15	300.2	189.5	110.7	189	360.2	227.4	132.8	-	227	196
*50	10	748.1	595.5	152.6	261	897.7	714.6	183.1	-	313	270
	5	638.4	490.2	148.2	253	766.1	588.2	177.8	-	304	262
	2	575.5	430.3	145.2	251	690.6	516.4	174.2	-	301	260
	0	535.4	392.3	143.1	244	642.5	470.8	171.7	-	293	253
	-5	441.8	304.6	137.2	234	530.2	365.5	164.6	-	281	243
	* -10	359.1	228.6	130.5	223	430.9	274.3	156.6	-	267	231
	* -15	287.7	164.7	123.0	210	345.2	197.6	147.6	-	252	218
*55	10	702.2	535.8	166.4	284	842.6	643.0	199.7	-	341	294
	5	599.8	437.5	162.3	277	719.8	525.0	194.8	-	332	287
	0	504.5	347.0	157.5	269	605.4	416.4	189.0	-	323	279
	* -5	418.4	266.6	151.8	259	502.1	319.9	182.2	-	311	269
	* -10	342.7	197.4	145.3	248	411.2	236.9	174.4	-	298	257
*60	* 10	658.2	474.4	183.8	314	789.8	569.3	220.6	-	377	325
	* 5	564.7	384.3	180.4	308	677.6	461.2	216.5	-	370	319
	* 0	478.2	302.0	176.2	301	573.8	362.4	211.4	-	361	312
	* -5	400.6	229.4	171.2	292	480.7	275.3	205.4	-	351	303



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Performance data are based on dew point.
 4. Superheat: 5°C; Subcooling: 5°C.
 5. 1 kW = 860 kcal/hr.

R407C

Model		SR-7H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	975.9	838.7	137.2	234	1171.1	1006.4	164.6	-	281	243
	5	843.6	711.6	132.0	225	1012.3	853.9	158.4	-	270	234
	0	715.3	588.7	126.6	216	858.4	706.4	151.9	-	259	224
	-5	595.7	475.1	120.6	206	714.8	570.1	144.7	-	247	213
	-10	487.7	373.6	114.1	195	585.2	448.3	136.9	-	234	202
	-15	392.8	285.7	107.1	183	471.4	342.8	128.5	-	219	189
40	10	944.2	793.5	150.7	257	1133.0	952.2	180.8	-	309	267
	5	817.6	671.7	145.9	249	981.1	806.0	175.1	-	299	258
	0	694.9	554.4	140.5	240	833.9	665.3	168.6	-	288	249
	-5	580.6	446.2	134.4	229	696.7	535.4	161.3	-	275	238
	-10	477.6	350.0	127.6	218	573.1	420.0	153.1	-	261	226
	-15	387.1	266.8	120.3	205	464.5	320.2	144.4	-	246	213
45	10	900.1	736.1	164.0	280	1080.1	883.3	196.8	-	336	290
	5	779.8	620.3	159.5	272	935.8	744.4	191.4	-	327	282
	0	663.6	509.4	154.2	263	796.3	611.3	185.0	-	316	273
	-5	555.7	407.7	148.0	253	666.8	489.2	177.6	-	303	262
	-10	458.6	317.7	140.9	241	550.3	381.2	169.1	-	289	249
	-15	373.4	240.3	133.1	227	448.1	288.4	159.7	-	273	235
*50	10	851.0	673.0	178.0	304	1021.2	807.6	213.6	-	365	315
	5	736.9	563.0	173.9	297	884.3	675.6	208.7	-	356	308
	2	670.3	499.4	171.0	295	804.3	599.3	205.0	-	354	306
	0	627.3	458.7	168.6	288	752.8	550.4	202.3	-	345	298
	-5	525.8	363.7	162.1	277	631.0	436.4	194.5	-	332	287
	* -10	434.8	280.3	154.5	264	521.8	336.4	185.4	-	317	273
	* -15	355.2	209.2	146.0	249	426.2	251.0	175.2	-	299	258
*55	10	803.8	609.5	194.3	332	964.6	731.4	233.2	-	398	344
	5	695.0	504.6	190.4	325	834.0	605.5	228.5	-	390	337
	0	591.2	406.3	184.9	316	709.4	487.6	221.9	-	379	327
	* -5	495.8	317.9	177.9	304	595.0	381.5	213.5	-	364	315
	*-10	410.5	240.9	169.6	290	492.6	289.1	203.5	-	347	300
*60	* 10	765.1	550.1	215.0	367	918.1	660.1	258.0	-	440	380
	* 5	660.1	449.0	211.1	360	792.1	538.8	253.3	-	432	373
	* 0	561.1	355.8	205.3	350	673.3	427.0	246.4	-	421	363
	* -5	470.9	273.2	197.7	337	565.1	327.8	237.2	-	405	350



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Performance data are based on dew point.
 4. Superheat: 5°C; Subcooling: 5°C.
 5. 1 kW = 860 kcal/hr.

R407C

Model		SR-8H									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	1241.7	1070.5	171.2	292	1490.0	1284.6	205.4	-	351	303
	5	1073.6	909.6	164.0	280	1288.3	1091.5	196.8	-	336	290
	0	909.9	752.9	157.0	268	1091.9	903.5	188.4	-	322	278
	-5	757.1	607.6	149.5	255	908.5	729.1	179.4	-	306	264
	-10	619.3	477.9	141.4	241	743.2	573.5	169.7	-	290	250
	-15	498.6	365.9	132.7	227	598.3	439.1	159.2	-	272	235
40	10	1203.2	1015.7	187.5	320	1443.8	1218.8	225.0	-	384	332
	5	1041.7	860.8	180.9	309	1250.0	1033.0	217.1	-	371	320
	0	884.8	710.8	174.0	297	1061.8	853.0	208.8	-	356	308
	-5	738.8	572.3	166.5	284	886.6	686.8	199.8	-	341	295
	-10	607.3	449.0	158.3	270	728.8	538.8	190.0	-	324	280
	-15	492.3	342.8	149.5	255	590.8	411.4	179.4	-	306	264
45	10	1149.1	945.4	203.7	348	1378.9	1134.5	244.4	-	417	360
	5	995.2	797.6	197.6	337	1194.2	957.1	237.1	-	405	350
	0	846.2	655.4	190.8	326	1015.4	786.5	229.0	-	391	338
	-5	708.0	524.7	183.3	313	849.6	629.6	220.0	-	375	324
	-10	584.0	409.1	174.9	299	700.8	490.9	209.9	-	358	309
	-15	475.9	310.1	165.8	283	571.1	372.1	199.0	-	340	293
*50	10	1088.7	867.7	221.0	377	1306.4	1041.2	265.2	-	453	391
	5	942.0	726.8	215.2	367	1130.4	872.2	258.2	-	441	381
	2	856.3	645.0	211.2	365	1027.5	774.1	253.5	-	438	378
	0	800.9	592.5	208.4	356	961.1	711.0	250.1	-	427	369
	-5	670.8	470.2	200.6	342	805.0	564.2	240.7	-	411	355
	* -10	554.6	362.8	191.8	327	665.5	435.4	230.2	-	393	339
	* -15	453.7	271.6	182.1	311	544.4	325.9	218.5	-	373	322
*55	10	1030.5	789.4	241.1	412	1236.6	947.3	289.3	-	494	427
	5	889.8	654.5	235.3	402	1067.8	785.4	282.4	-	482	416
	0	755.9	527.6	228.3	390	907.1	633.1	274.0	-	468	404
	* -5	633.4	413.4	220.0	376	760.1	496.1	264.0	-	451	389
	* -10	524.5	314.1	210.4	359	629.4	376.9	252.5	-	431	372
*60	* 10	982.8	716.0	266.8	455	1179.4	859.2	320.2	-	547	472
	* 5	846.2	585.6	260.6	445	1015.4	702.7	312.7	-	534	461
	* 0	718.0	465.0	253.0	432	861.6	558.0	303.6	-	518	448
	* -5	601.8	358.0	243.8	416	722.2	429.6	292.6	-	499	431



- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
 2. Status with "*" indicates external cooling required.
 3. Performance data are based on dew point.
 4. Superheat: 5°C; Subcooling: 5°C.
 5. 1 kW = 860 kcal/hr.

R134a

Model		SRA-1									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	140.0	120.0	20.0	34	168.0	144.0	24.0	71	41	35
	5	121.7	102.3	19.4	33	146.0	122.8	23.3	69	40	34
	0	103.4	84.5	18.9	32	124.1	101.4	22.7	67	39	33
	-5	86.5	68.1	18.4	31	103.8	81.7	22.1	65	38	33
	-10	71.5	53.7	17.8	30	85.8	64.4	21.4	63	36	31
	-15	58.9	41.6	17.3	30	70.7	49.9	20.8	61	35	31
40	10	139.0	116.6	22.4	38	166.8	139.9	26.9	79	46	40
	5	120.6	98.9	21.7	37	144.7	118.7	26.0	77	44	38
	2	109.6	88.1	21.3	36	131.5	105.9	25.5	75	44	38
	0	102.2	81.2	21.0	36	122.6	97.4	25.2	74	43	37
	-5	85.3	64.9	20.4	35	102.4	77.9	24.5	72	42	36
	-10	70.4	50.7	19.7	34	84.5	60.8	23.6	70	40	35
	-15	57.9	38.8	19.1	33	69.5	46.6	22.9	68	39	34
45	10	135.4	110.7	24.7	42	162.5	132.8	29.6	87	51	44
	5	117.3	93.4	23.9	41	140.8	112.1	28.7	85	49	42
	0	99.3	76.2	23.1	39	119.2	91.4	27.7	82	47	41
	-5	82.8	60.4	22.4	38	99.4	72.5	26.9	79	46	40
	-10	68.3	46.7	21.6	37	82.0	56.0	25.9	76	44	38
	-15	56.2	35.3	20.9	36	67.4	42.4	25.1	74	43	37
50	10	130.5	103.4	27.1	46	156.6	124.1	32.5	96	56	48
	5	113.0	86.8	26.2	45	135.6	104.2	31.4	93	54	46
	2	102.4	76.8	25.7	44	122.9	92.1	30.8	92	53	46
	0	95.6	70.3	25.3	43	114.7	84.4	30.4	90	52	45
	* -5	79.6	55.1	24.5	42	95.5	66.1	29.4	87	50	43
	* -10	65.7	42.1	23.6	40	78.8	50.5	28.3	84	48	42
	* -15	54.1	31.3	22.8	39	64.9	37.6	27.4	81	47	40
*55	* 10	124.8	95.2	29.6	51	149.8	114.2	35.5	105	61	52
	* 5	108.0	79.4	28.6	49	129.6	95.3	34.3	101	59	51
	* 0	91.5	63.8	27.7	47	109.8	76.6	33.2	98	57	49
	* -5	76.3	49.5	26.8	46	91.6	59.4	32.2	95	55	47
	* -10	63.1	37.2	25.9	44	75.7	44.6	31.1	92	53	46
	* -15	52.1	27.1	25.0	43	62.5	32.5	30.0	88	51	44
*60	* 10	119.2	86.8	32.4	55	143.0	104.2	38.9	115	66	57
	* 5	103.4	71.9	31.5	54	124.1	86.3	37.8	111	65	56
	* 0	87.7	57.2	30.5	52	105.2	68.6	36.6	108	62	54
	* -5	73.4	43.8	29.6	51	88.1	52.6	35.5	105	61	52
	* -10	60.9	32.3	28.6	49	73.1	38.8	34.3	101	59	51
*65	* 10	114.6	78.6	36.0	61	137.5	94.3	43.2	127	74	64
	* 5	99.8	64.7	35.1	60	119.8	77.6	42.1	124	72	62
	* 0	85.0	50.9	34.1	58	102.0	61.1	40.9	121	70	60
	* -5	71.6	38.4	33.2	57	85.9	46.1	39.8	117	68	59

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.



R134a

Model		SRA-2									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	169.3	144.2	25.1	43	203.2	173.0	30.1	89	51	44
	5	149.0	124.9	24.1	41	178.8	149.9	28.9	85	49	43
	0	128.3	104.9	23.4	40	154.0	125.9	28.1	83	48	41
	-5	108.3	85.6	22.7	39	130.0	102.7	27.2	80	47	40
	-10	89.9	68.0	21.9	37	107.9	81.6	26.3	77	45	39
	-15	73.6	52.6	21.0	36	88.3	63.1	25.2	74	43	37
40	10	167.7	140.1	27.6	47	201.2	168.1	33.1	98	57	49
	5	147.8	121.1	26.7	46	177.4	145.3	32.0	94	55	47
	2	135.6	109.2	26.3	45	162.7	131.1	31.6	93	54	47
	0	127.4	101.3	26.1	45	152.9	121.6	31.3	92	53	46
	-5	107.8	82.4	25.4	43	129.4	98.9	30.5	90	52	45
	-10	89.7	65.1	24.6	42	107.6	78.1	29.5	87	50	44
	-15	73.8	50.1	23.7	40	88.6	60.1	28.4	84	49	42
45	10	163.7	133.6	30.1	51	196.4	160.3	36.1	107	62	53
	5	144.5	115.1	29.4	50	173.4	138.1	35.3	104	60	52
	0	124.6	95.9	28.7	49	149.5	115.1	34.4	102	59	51
	-5	105.5	77.5	28.0	48	126.6	93.0	33.6	99	57	50
	-10	88.1	60.8	27.3	47	105.7	73.0	32.8	97	56	48
	-15	72.6	46.3	26.3	45	87.1	55.6	31.6	93	54	47
50	10	158.6	125.7	32.9	56	190.3	150.8	39.5	116	67	58
	5	139.8	107.7	32.1	55	167.8	129.2	38.5	114	66	57
	2	128.3	96.5	31.8	55	153.9	115.8	38.1	113	66	57
	0	120.6	89.1	31.5	54	144.7	106.9	37.8	111	65	56
	* -5	102.3	71.5	30.8	53	122.8	85.8	37.0	109	63	54
	* -10	85.6	55.5	30.1	51	102.7	66.6	36.1	107	62	53
	* -15	70.8	41.7	29.1	50	85.0	50.0	34.9	103	60	51
*55	* 10	153.1	117.1	36.0	61	183.7	140.5	43.2	127	74	64
	* 5	134.9	99.6	35.3	60	161.9	119.5	42.4	125	72	62
	* 0	116.4	81.8	34.6	59	139.7	98.2	41.5	122	71	61
	* -5	98.8	64.9	33.9	58	118.6	77.9	40.7	120	69	60
	* -10	82.9	49.7	33.2	57	99.5	59.6	39.8	117	68	59
	* -15	68.9	36.7	32.2	55	82.7	44.0	38.6	114	66	57
*60	* 10	148.5	108.6	39.9	68	178.2	130.3	47.9	141	82	71
	* 5	130.6	91.5	39.1	67	156.7	109.8	46.9	138	80	69
	* 0	112.7	74.3	38.4	66	135.2	89.2	46.1	136	79	68
	* -5	95.8	58.1	37.7	64	115.0	69.7	45.2	133	77	67
	* -10	80.7	43.8	36.9	63	96.8	52.6	44.3	131	76	65
*65	* 10	145.6	100.5	45.1	77	174.7	120.6	54.1	160	92	80
	* 5	127.8	83.7	44.1	75	153.4	100.4	52.9	156	90	78
	* 0	110.3	67.0	43.3	74	132.4	80.4	52.0	153	89	77
	* -5	94.2	51.6	42.6	73	113.0	61.9	51.1	151	87	75

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.



R134a

Model		SRA-3									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	204.8	174.9	29.9	51	245.8	209.9	35.9	106	61	53
	5	179.1	150.5	28.6	49	214.9	180.6	34.3	101	59	51
	0	153.6	126.0	27.6	47	184.3	151.2	33.1	98	57	49
	-5	129.3	102.6	26.7	46	155.2	123.1	32.0	94	55	47
	-10	107.0	81.3	25.7	44	128.4	97.6	30.8	91	53	45
	-15	87.1	62.6	24.5	42	104.5	75.1	29.4	87	50	43
40	10	201.4	168.5	32.9	56	241.7	202.2	39.5	116	67	58
	5	176.6	144.9	31.7	54	211.9	173.9	38.0	112	65	56
	2	161.6	130.5	31.1	53	193.9	156.6	37.3	110	64	55
	0	151.6	120.9	30.7	52	181.9	145.1	36.8	109	63	54
	-5	127.8	98.1	29.7	51	153.4	117.7	35.6	105	61	53
	-10	105.9	77.2	28.7	49	127.1	92.6	34.4	102	59	51
	-15	86.5	59.0	27.5	47	103.8	70.8	33.0	97	56	49
45	10	195.0	159.1	35.9	61	234.0	190.9	43.1	127	74	64
	5	171.3	136.5	34.8	59	205.6	163.8	41.8	123	71	62
	0	147.3	113.5	33.8	58	176.8	136.2	40.6	120	69	60
	-5	124.2	91.4	32.8	56	149.0	109.7	39.4	116	67	58
	-10	103.1	71.4	31.7	54	123.7	85.7	38.0	112	65	56
	-15	84.2	53.8	30.4	52	101.0	64.6	36.5	108	62	54
50	10	187.0	148.0	39.0	67	224.4	177.6	46.8	138	80	69
	5	164.5	126.5	38.0	65	197.4	151.8	45.6	134	78	67
	2	150.6	113.2	37.0	64	180.7	135.9	44.9	134	77	66
	0	141.4	104.4	37.0	63	169.7	125.3	44.4	131	76	65
	* -5	119.3	83.4	35.9	61	143.2	100.1	43.1	127	74	64
	*-10	99.0	64.2	34.8	59	118.8	77.0	41.8	123	71	62
	*-15	80.9	47.5	33.4	57	97.1	57.0	40.1	118	68	59
*55	* 10	178.8	136.2	42.6	73	214.6	163.4	51.1	151	87	75
	* 5	157.1	115.6	41.5	71	188.5	138.7	49.8	147	85	73
	* 0	135.1	94.6	40.5	69	162.1	113.5	48.6	143	83	72
	* -5	113.9	74.5	39.4	67	136.7	89.4	47.3	139	81	70
	*-10	94.5	56.4	38.1	65	113.4	67.7	45.7	135	78	67
	*-15	77.3	40.7	36.6	62	92.8	48.8	43.9	130	75	65
*60	* 10	171.1	124.3	46.8	80	205.3	149.2	56.2	166	96	83
	* 5	150.4	104.6	45.8	78	180.5	125.5	55.0	162	94	81
	* 0	129.2	84.5	44.7	76	155.0	101.4	53.6	158	92	79
	* -5	109.0	65.5	43.5	74	130.8	78.6	52.2	154	89	77
	*-10	90.5	48.4	42.1	72	108.6	58.1	50.5	149	86	74
*65	* 10	165.8	113.3	52.5	90	199.0	136.0	63.0	186	108	93
	* 5	145.4	94.1	51.3	88	174.5	112.9	61.6	182	105	91
	* 0	125.0	74.8	50.2	86	150.0	89.8	60.2	178	103	89
	* -5	105.7	56.8	48.9	83	126.8	68.2	58.7	173	100	87

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.



R134a

Model		SRA-434									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	255.1	218.1	37.0	63	306.1	261.7	44.4	131	76	65
	5	222.1	186.6	35.5	61	266.5	223.9	42.6	126	73	63
	0	189.2	155.0	34.2	58	227.0	186.0	41.0	121	70	61
	-5	158.1	125.3	32.8	56	189.7	150.4	39.4	116	67	58
	-10	130.1	98.7	31.4	54	156.1	118.4	37.7	111	64	56
	-15	105.7	75.7	30.0	51	126.8	90.8	36.0	106	61	53
40	10	251.8	211.1	40.7	69	302.2	253.3	48.8	144	83	72
	5	219.4	180.1	39.3	67	263.3	216.1	47.2	139	81	70
	2	200.0	161.4	38.5	66	240.0	193.8	46.2	136	79	68
	0	187.0	149.1	37.9	65	224.4	178.9	45.5	134	78	67
	-5	156.6	120.1	36.5	62	187.9	144.1	43.8	129	75	65
	-10	129.0	94.0	35.0	60	154.8	112.8	42.0	124	72	62
	-15	105.2	71.6	33.6	57	126.2	85.9	40.3	119	69	59
45	10	244.9	200.5	44.4	76	293.9	240.6	53.3	157	91	79
	5	213.3	170.3	43.0	73	256.0	204.4	51.6	152	88	76
	0	181.9	140.3	41.6	71	218.3	168.4	49.9	147	85	74
	-5	152.3	112.2	40.1	68	182.8	134.6	48.1	142	82	71
	-10	125.7	87.1	38.6	66	150.8	104.5	46.3	137	79	68
	-15	102.9	65.7	37.2	64	123.5	78.8	44.6	132	76	66
50	10	236.0	187.7	48.3	82	283.2	225.2	58.0	171	99	85
	5	205.3	158.4	46.9	80	246.4	190.1	56.3	166	96	83
	2	186.9	140.9	46.0	79	224.3	169.0	55.2	165	95	82
	0	174.9	129.5	45.4	78	209.9	155.4	54.5	161	93	80
	* -5	146.4	102.6	43.8	75	175.7	123.1	52.6	155	90	77
	*-10	120.9	78.7	42.2	72	145.1	94.4	50.6	149	86	75
	*-15	99.2	58.5	40.7	69	119.0	70.2	48.8	144	83	72
*55	* 10	226.3	173.7	52.6	90	271.6	208.4	63.1	186	108	93
	* 5	196.6	145.4	51.2	87	235.9	174.5	61.4	181	105	91
	* 0	167.2	117.6	49.6	85	200.6	141.1	59.5	176	102	88
	* -5	139.9	92.0	47.9	82	167.9	110.4	57.5	169	98	85
	*-10	115.7	69.5	46.2	79	138.8	83.4	55.4	163	95	82
	*-15	95.1	50.6	44.5	76	114.1	60.7	53.4	157	91	79
*60	* 10	217.8	159.8	58.0	99	261.4	191.8	69.6	205	119	103
	* 5	188.8	132.3	56.5	96	226.6	158.8	67.8	200	116	100
	* 0	160.3	105.6	54.7	93	192.4	126.7	65.6	194	112	97
	* -5	134.1	81.3	52.8	90	160.9	97.6	63.4	187	108	93
	*-10	110.9	60.1	50.8	87	133.1	72.1	61.0	180	104	90
*65	* 10	211.7	146.6	65.1	111	254.0	175.9	78.1	230	133	115
	* 5	183.0	119.7	63.3	108	219.6	143.6	76.0	224	130	112
	* 0	155.3	94.0	61.3	105	186.4	112.8	73.6	217	126	108
	* -5	130.0	70.9	59.1	101	156.0	85.1	70.9	209	121	105

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.



R134a

Model		SRA-4									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	361.7	309.1	52.6	90	434.0	370.9	63.1	-	108	93
	5	319.3	269.2	50.1	86	383.2	323.0	60.1	-	103	89
	0	274.7	226.4	48.3	82	329.6	271.7	58.0	-	99	85
	-5	231.5	184.9	46.6	80	277.8	221.9	55.9	-	95	82
	-10	192.2	147.3	44.9	77	230.6	176.8	53.9	-	92	79
	-15	158.0	114.9	43.1	74	189.6	137.9	51.7	-	88	76
40	10	360.5	302.8	57.7	99	432.6	363.4	69.2	-	118	102
	5	316.7	261.2	55.5	95	380.0	313.4	66.6	-	114	98
	2	289.5	235.0	54.4	93	347.4	282.1	65.2	-	111	96
	0	271.3	217.7	53.6	92	325.6	261.2	64.3	-	110	95
	-5	228.1	176.3	51.8	88	273.7	211.6	62.2	-	106	92
	-10	189.2	139.2	50.0	85	227.0	167.0	60.0	-	102	88
	-15	155.5	107.5	48.0	82	186.6	129.0	57.6	-	98	85
45	10	353.0	290.1	62.9	107	423.6	348.1	75.5	-	129	111
	5	308.8	248.0	60.8	104	370.6	297.6	73.0	-	125	108
	0	263.9	205.0	58.9	101	316.7	246.0	70.7	-	121	104
	-5	221.5	164.5	57.0	97	265.8	197.4	68.4	-	117	101
	-10	183.6	128.6	55.0	94	220.3	154.3	66.0	-	113	97
	-15	151.2	98.3	52.9	90	181.4	118.0	63.5	-	108	94
50	10	341.6	273.2	68.4	117	409.9	327.8	82.1	-	140	121
	5	297.9	231.6	66.3	113	357.5	277.9	79.6	-	136	117
	2	271.4	206.2	65.2	112	325.7	247.5	78.2	-	135	116
	0	254.1	189.7	64.4	110	304.9	227.6	77.3	-	132	114
	* -5	213.1	150.7	62.4	107	255.7	180.8	74.9	-	128	110
	* -10	176.8	116.6	60.2	103	212.2	139.9	72.2	-	123	107
	* -15	145.7	88.0	57.7	99	174.8	105.6	69.2	-	118	102
*55	* 10	328.6	254.1	74.5	127	394.3	304.9	89.4	-	153	132
	* 5	286.1	213.6	72.5	124	343.3	256.3	87.0	-	149	128
	* 0	243.8	173.3	70.5	120	292.6	208.0	84.6	-	144	125
	* -5	204.5	136.2	68.3	117	245.4	163.4	82.0	-	140	121
	* -10	169.8	104.0	65.8	112	203.8	124.8	79.0	-	135	116
	* -15	140.3	77.4	62.9	107	168.4	92.9	75.5	-	129	111
*60	* 10	316.6	234.5	82.1	140	379.9	281.4	98.5	-	168	145
	* 5	275.3	195.3	80.0	137	330.4	234.4	96.0	-	164	142
	* 0	234.6	156.8	77.8	133	281.5	188.2	93.4	-	159	138
	* -5	197.2	121.9	75.3	129	236.6	146.3	90.4	-	154	133
	* -10	164.2	91.8	72.4	124	197.0	110.2	86.9	-	148	128
*65	* 10	307.6	215.7	91.9	157	369.1	258.8	110.3	-	188	163
	* 5	267.6	177.9	89.7	153	321.1	213.5	107.6	-	184	159
	* 0	228.5	141.3	87.2	149	274.2	169.6	104.6	-	179	154
	* -5	192.8	108.4	84.4	144	231.4	130.1	101.3	-	173	149

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.



R134a

Model		SRA-5									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	425.1	364.5	60.6	103	510.1	437.4	72.7	-	124	107
	5	375.3	317.0	58.3	100	450.4	380.4	70.0	-	119	103
	0	322.5	266.0	56.5	96	387.0	319.2	67.8	-	116	100
	-5	271.4	216.7	54.7	93	325.7	260.0	65.6	-	112	97
	-10	224.7	172.1	52.6	90	269.6	206.5	63.1	-	108	93
	-15	183.9	133.8	50.1	86	220.7	160.6	60.1	-	103	89
40	10	423.0	356.0	67.0	114	507.6	427.2	80.4	-	137	119
	5	371.7	307.0	64.7	110	446.0	368.4	77.6	-	133	114
	2	339.7	276.2	63.5	108	407.7	331.5	76.2	-	130	112
	0	318.4	255.7	62.7	107	382.1	306.8	75.2	-	128	111
	-5	267.5	206.8	60.7	104	321.0	248.2	72.8	-	124	107
	-10	221.5	163.0	58.5	100	265.8	195.6	70.2	-	120	103
	-15	181.4	125.6	55.8	95	217.7	150.7	67.0	-	114	99
45	10	413.6	340.3	73.3	125	496.3	408.4	88.0	-	150	130
	5	362.1	291.2	70.9	121	434.5	349.4	85.1	-	145	125
	0	309.4	240.6	68.8	117	371.3	288.7	82.6	-	141	122
	-5	259.7	193.0	66.7	114	311.6	231.6	80.0	-	137	118
	-10	215.0	150.7	64.3	110	258.0	180.8	77.2	-	132	114
	-15	176.6	115.1	61.5	105	211.9	138.1	73.8	-	126	109
50	10	400.0	320.1	79.9	136	480.0	384.1	95.9	-	164	141
	5	349.0	271.6	77.4	132	418.8	325.9	92.9	-	159	137
	2	318.0	242.0	76.0	131	381.6	290.4	91.2	-	157	136
	0	297.7	222.6	75.1	128	357.2	267.1	90.1	-	154	133
	* -5	249.8	176.9	72.9	124	299.8	212.3	87.5	-	149	129
	* -10	207.1	136.7	70.4	120	248.5	164.0	84.5	-	144	125
	* -15	170.4	103.1	67.3	115	204.5	123.7	80.8	-	138	119
*55	* 10	384.8	297.6	87.2	149	461.8	357.1	104.6	-	179	154
	* 5	335.0	250.4	84.6	144	402.0	300.5	101.5	-	173	150
	* 0	285.3	203.2	82.1	140	342.4	243.8	98.5	-	168	145
	* -5	239.5	159.8	79.7	136	287.4	191.8	95.6	-	163	141
	* -10	199.0	122.0	77.0	131	238.8	146.4	92.4	-	158	136
	* -15	164.4	90.7	73.7	126	197.3	108.8	88.4	-	151	130
*60	* 10	370.8	274.7	96.1	164	445.0	329.6	115.3	-	197	170
	* 5	322.0	228.9	93.1	159	386.4	274.7	111.7	-	191	165
	* 0	274.3	183.9	90.4	154	329.2	220.7	108.5	-	185	160
	* -5	230.6	142.9	87.7	150	276.7	171.5	105.2	-	180	155
	* -10	192.4	107.6	84.8	145	230.9	129.1	101.8	-	174	150
*65	* 10	360.6	253.1	107.5	184	432.7	303.7	129.0	-	220	190
	* 5	312.8	208.7	104.1	178	375.4	250.4	124.9	-	213	184
	* 0	266.8	165.7	101.1	173	320.2	198.8	121.3	-	207	179
	* -5	225.2	127.1	98.1	167	270.2	152.5	117.7	-	201	174

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.



R134a

Model		SRA-561									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	448.2	384.1	64.1	109	537.8	460.9	76.9	-	131	113
	5	394.8	334.0	60.8	104	473.8	400.8	73.0	-	125	108
	0	339.1	280.4	58.7	100	406.9	336.5	70.4	-	120	104
	-5	285.4	228.6	56.8	97	342.5	274.3	68.2	-	116	100
	-10	236.7	181.9	54.8	94	284.0	218.3	65.8	-	112	97
	-15	194.1	141.9	52.2	89	232.9	170.3	62.6	-	107	92
40	10	445.7	375.2	70.5	120	534.8	450.2	84.6	-	144	125
	5	391.0	323.5	67.5	115	469.2	388.2	81.0	-	138	119
	2	357.2	290.9	66.1	113	428.7	349.2	79.4	-	136	117
	0	334.7	269.4	65.3	111	401.6	323.3	78.4	-	134	116
	-5	281.1	217.8	63.3	108	337.3	261.4	76.0	-	130	112
	-10	232.9	171.9	61.0	104	279.5	206.3	73.2	-	125	108
	-15	191.1	132.9	58.2	99	229.3	159.5	69.8	-	119	103
45	10	435.6	358.7	76.9	131	522.7	430.4	92.3	-	158	136
	5	380.8	306.8	74.0	126	457.0	368.2	88.8	-	152	131
	0	325.2	253.4	71.8	123	390.2	304.1	86.2	-	147	127
	-5	272.8	203.1	69.7	119	327.4	243.7	83.6	-	143	123
	-10	226.0	158.8	67.2	115	271.2	190.6	80.6	-	138	119
	-15	185.4	121.4	64.0	109	222.5	145.7	76.8	-	131	113
50	10	420.8	337.3	83.5	143	505.0	404.8	100.2	-	171	148
	5	367.0	286.2	80.8	138	440.4	343.4	97.0	-	166	143
	2	334.3	254.8	79.4	137	401.1	305.8	95.3	-	165	142
	0	312.9	234.3	78.6	134	375.5	281.2	94.3	-	161	139
	* -5	262.4	186.1	76.3	130	314.9	223.3	91.6	-	156	135
	*-10	217.5	143.9	73.6	126	261.0	172.7	88.3	-	151	130
	*-15	178.6	108.7	69.9	119	214.3	130.4	83.9	-	143	124
*55	* 10	404.3	313.4	90.9	155	485.2	376.1	109.1	-	186	161
	* 5	352.0	263.7	88.3	151	422.4	316.4	106.0	-	181	156
	* 0	300.0	214.0	86.0	147	360.0	256.8	103.2	-	176	152
	* -5	251.7	168.1	83.6	143	302.0	201.7	100.3	-	171	148
	*-10	209.0	128.4	80.6	138	250.8	154.1	96.7	-	165	143
	*-15	171.8	95.5	76.3	130	206.2	114.6	91.6	-	156	135
*60	* 10	389.0	289.2	99.8	170	466.8	347.0	119.8	-	204	177
	* 5	338.4	241.2	97.2	166	406.1	289.4	116.6	-	199	172
	* 0	288.6	193.7	94.9	162	346.3	232.4	113.9	-	194	168
	* -5	242.9	150.5	92.4	158	291.5	180.6	110.9	-	189	163
	*-10	202.2	113.3	88.9	152	242.6	136.0	106.7	-	182	157
*65	* 10	377.4	266.3	111.1	190	452.9	319.6	133.3	-	228	197
	* 5	328.5	219.9	108.6	185	394.2	263.9	130.3	-	222	192
	* 0	280.9	174.7	106.2	181	337.1	209.6	127.4	-	218	188
	* -5	237.6	134.0	103.6	177	285.1	160.8	124.3	-	212	183

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.



R134a

Model		SRA-6									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	564.4	486.7	77.7	133	677.3	584.0	93.2	-	159	137
	5	486.7	412.6	74.1	126	584.0	495.1	88.9	-	152	131
	0	411.0	339.6	71.4	122	493.2	407.5	85.7	-	146	126
	-5	341.1	272.2	68.9	118	409.3	326.6	82.7	-	141	122
	-10	279.5	213.0	66.5	114	335.4	255.6	79.8	-	136	118
	-15	226.9	162.9	64.0	109	272.3	195.5	76.8	-	131	113
40	10	555.0	469.0	86.0	147	666.0	562.8	103.2	-	176	152
	5	479.4	397.0	82.4	141	575.3	476.4	98.9	-	169	146
	2	434.9	353.8	80.7	138	521.9	425.1	96.8	-	165	143
	0	405.3	325.8	79.5	136	486.4	391.0	95.4	-	163	141
	-5	336.9	260.1	76.8	131	404.3	312.1	92.2	-	157	136
	-10	276.3	202.3	74.0	126	331.6	242.8	88.8	-	152	131
	-15	224.7	153.5	71.2	122	269.6	184.2	85.4	-	146	126
45	10	537.2	443.2	94.0	160	644.6	531.8	112.8	-	193	166
	5	464.7	374.1	90.6	155	557.6	448.9	108.7	-	186	160
	0	393.4	305.8	87.6	150	472.1	367.0	105.1	-	179	155
	-5	327.2	242.6	84.6	144	392.6	291.1	101.5	-	173	150
	-10	268.6	187.1	81.5	139	322.3	224.5	97.8	-	167	144
	-15	218.5	140.3	78.2	133	262.2	168.4	93.8	-	160	138
50	10	514.8	412.6	102.2	174	617.8	495.1	122.6	-	209	181
	5	445.9	347.0	98.9	169	535.1	416.4	118.7	-	203	175
	2	404.6	307.5	97.1	168	485.6	369.0	116.5	-	201	174
	0	377.8	281.9	95.9	164	453.4	338.3	115.1	-	196	170
	* -5	314.5	221.8	92.7	158	377.4	266.2	111.2	-	190	164
	* -10	258.4	169.1	89.3	152	310.1	202.9	107.2	-	183	158
	* -15	210.2	124.9	85.3	146	252.2	149.9	102.4	-	175	151
*55	* 10	491.0	379.9	111.1	190	589.2	455.9	133.3	-	228	197
	* 5	425.9	317.8	108.1	185	511.1	381.4	129.7	-	221	191
	* 0	361.2	256.2	105.0	179	433.4	307.4	126.0	-	215	186
	* -5	301.1	199.4	101.7	174	361.3	239.3	122.0	-	208	180
	* -10	247.7	149.9	97.8	167	297.2	179.9	117.4	-	200	173
	* -15	201.5	108.5	93.0	159	241.8	130.2	111.6	-	191	165
*60	* 10	469.2	347.6	121.6	208	563.0	417.1	145.9	-	249	215
	* 5	407.6	288.8	118.8	203	489.1	346.6	142.6	-	243	210
	* 0	346.3	230.5	115.8	198	415.6	276.6	139.0	-	237	205
	* -5	289.2	177.0	112.2	192	347.0	212.4	134.6	-	230	199
	* -10	238.4	130.6	107.8	184	286.1	156.7	129.4	-	221	191
*65	* 10	452.4	317.6	134.8	230	542.9	381.1	161.8	-	276	238
	* 5	393.9	261.5	132.4	226	472.7	313.8	158.9	-	271	234
	* 0	335.8	206.3	129.5	221	403.0	247.6	155.4	-	265	229
	* -5	281.6	155.8	125.8	215	337.9	187.0	151.0	-	258	223

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.



R134a

Model		SRA-7									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	634.1	546.7	87.4	149	760.9	656.0	104.9	-	179	155
	5	550.6	467.1	83.5	143	660.7	560.5	100.2	-	171	148
	0	466.8	386.2	80.6	138	560.2	463.4	96.7	-	165	143
	-5	387.8	310.0	77.8	133	465.4	372.0	93.4	-	159	138
	-10	317.0	242.3	74.7	128	380.4	290.8	89.6	-	153	132
	-15	255.7	184.6	71.1	121	306.8	221.5	85.3	-	146	126
40	10	625.9	529.6	96.3	164	751.1	635.5	115.6	-	197	170
	5	543.1	450.6	92.5	158	651.7	540.7	111.0	-	189	164
	2	493.4	402.4	90.7	155	592.1	483.3	108.8	-	186	160
	0	460.3	370.8	89.5	153	552.4	445.0	107.4	-	183	158
	-5	382.8	296.2	86.6	148	459.4	355.4	103.9	-	177	153
	-10	313.4	230.0	83.4	142	376.1	276.0	100.1	-	171	148
	-15	253.5	173.9	79.6	136	304.2	208.7	95.5	-	163	141
45	10	607.7	502.5	105.2	180	729.2	603.0	126.2	-	216	186
	5	526.9	425.5	101.4	173	632.3	510.6	121.7	-	208	179
	0	446.5	348.2	98.3	168	535.8	417.8	118.0	-	201	174
	-5	371.4	276.2	95.2	163	445.7	331.4	114.2	-	195	168
	-10	304.7	212.8	91.9	157	365.6	255.4	110.3	-	188	163
	-15	247.1	159.2	87.9	150	296.5	191.0	105.5	-	180	156
50	10	583.7	469.2	114.5	195	700.4	563.0	137.4	-	235	203
	5	505.8	395.1	110.7	189	607.0	474.1	132.8	-	227	196
	2	459.0	350.0	108.7	188	550.7	420.3	130.4	-	225	194
	0	428.5	321.1	107.4	183	514.2	385.3	128.9	-	220	190
	* -5	356.8	252.6	104.2	178	428.2	303.1	125.0	-	213	184
	* -10	293.1	192.4	100.7	172	351.7	230.9	120.8	-	206	178
	* -15	238.4	142.0	96.4	165	286.1	170.4	115.7	-	197	171
*55	* 10	557.7	432.9	124.8	213	669.2	519.5	149.8	-	256	221
	* 5	483.0	362.1	120.9	206	579.6	434.5	145.1	-	248	214
	* 0	409.2	291.8	117.4	200	491.0	350.2	140.9	-	241	208
	* -5	341.1	227.1	114.0	195	409.3	272.5	136.8	-	234	202
	* -10	280.9	170.7	110.2	188	337.1	204.8	132.2	-	226	195
	* -15	229.2	123.7	105.5	180	275.0	148.4	126.6	-	216	187
*60	* 10	533.5	396.3	137.2	234	640.2	475.6	164.6	-	281	243
	* 5	461.8	328.8	133.0	227	554.2	394.6	159.6	-	272	235
	* 0	391.6	262.3	129.3	221	469.9	314.8	155.2	-	265	229
	* -5	327.2	201.5	125.7	215	392.6	241.8	150.8	-	258	222
	* -10	270.5	148.9	121.6	208	324.6	178.7	145.9	-	249	215
*65	* 10	515.2	361.7	153.5	262	618.2	434.0	184.2	-	314	272
	* 5	445.9	297.1	148.8	254	535.1	356.5	178.6	-	305	263
	* 0	379.0	234.2	144.8	247	454.8	281.0	173.8	-	297	256
	* -5	317.9	177.1	140.8	240	381.5	212.5	169.0	-	288	249

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.



R134a

Model		SRA-8									
TC (°C)	TE (°C)	50Hz				60Hz					
		Capacity(kW)		Power	380V	Capacity(kW)		Power	220V	380V	440V
		Heating	Cooling	(kW)	(A)	Heating	Cooling	(kW)	(A)	(A)	(A)
35	10	860.8	747.3	113.5	194	1033.0	896.8	136.2	-	233	201
	5	738.8	630.4	108.4	185	886.6	756.5	130.1	-	222	192
	0	624.1	519.6	104.5	178	748.9	623.5	125.4	-	214	185
	-5	519.9	419.1	100.8	172	623.9	502.9	121.0	-	206	178
	-10	427.7	330.9	96.8	165	513.2	397.1	116.2	-	198	171
	-15	347.7	255.8	91.9	157	417.2	307.0	110.3	-	188	163
40	10	843.6	718.3	125.3	214	1012.3	862.0	150.4	-	257	222
	5	725.1	604.9	120.2	205	870.1	725.9	144.2	-	246	213
	2	658.3	539.5	117.8	201	790.0	648.6	141.4	-	241	208
	0	613.8	497.6	116.2	198	736.6	597.1	139.4	-	238	206
	-5	512.5	400.1	112.4	192	615.0	480.1	134.9	-	230	199
	-10	422.8	314.7	108.1	185	507.4	377.6	129.7	-	221	191
	-15	344.9	242.0	102.9	176	413.9	290.4	123.5	-	211	182
45	10	813.9	677.0	136.9	234	976.7	812.4	164.3	-	280	242
	5	700.9	569.0	131.9	225	841.1	682.8	158.3	-	270	233
	0	594.3	466.5	127.8	218	713.2	559.8	153.4	-	262	226
	-5	497.4	373.6	123.8	211	596.9	448.3	148.6	-	254	219
	-10	411.5	292.1	119.4	204	493.8	350.5	143.3	-	245	211
	-15	336.7	223.0	113.7	194	404.0	267.6	136.4	-	233	201
50	10	777.8	628.9	148.9	254	933.4	754.7	178.7	-	305	263
	5	670.9	527.0	143.9	246	805.1	632.4	172.7	-	295	255
	2	609.5	468.1	141.4	244	731.3	561.7	169.6	-	293	253
	0	570.0	430.3	139.7	238	684.0	516.4	167.6	-	286	247
	* -5	478.2	342.6	135.6	231	573.8	411.1	162.7	-	278	240
	*-10	396.8	265.9	130.9	223	476.2	319.1	157.1	-	268	232
	*-15	325.6	201.1	124.5	213	390.7	241.3	149.4	-	255	220
*55	* 10	740.5	578.5	162.0	277	888.6	694.2	194.4	-	332	287
	* 5	640.0	482.9	157.1	268	768.0	579.5	188.5	-	322	278
	* 0	545.0	392.2	152.8	261	654.0	470.6	183.4	-	313	270
	* -5	458.5	310.0	148.5	254	550.2	372.0	178.2	-	304	263
	*-10	381.7	238.4	143.3	245	458.0	286.1	172.0	-	294	254
	*-15	314.0	178.0	136.0	232	376.8	213.6	163.2	-	279	241
*60	* 10	707.5	529.7	177.8	304	849.0	635.6	213.4	-	364	315
	* 5	612.6	439.9	172.7	295	735.1	527.9	207.2	-	354	306
	* 0	523.2	354.9	168.3	287	627.8	425.9	202.0	-	345	298
	* -5	441.7	278.1	163.6	279	530.0	333.7	196.3	-	335	289
	*-10	368.9	211.4	157.5	269	442.7	253.7	189.0	-	323	279
*65	* 10	683.5	485.4	198.1	338	820.2	582.5	237.7	-	406	350
	* 5	593.2	400.6	192.6	329	711.8	480.7	231.1	-	395	341
	* 0	508.4	320.6	187.8	321	610.1	384.7	225.4	-	385	332
	* -5	431.1	248.6	182.5	312	517.3	298.3	219.0	-	374	323

- Notes: 1. TC: Condensing Temp., TE: Evaporating Temp.
2. Status with "*" indicates external cooling required.
3. Superheat: 5°C; Subcooling: 5°C.
4. 1 kW = 860 kcal/hr.





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P-SR-E1-9406