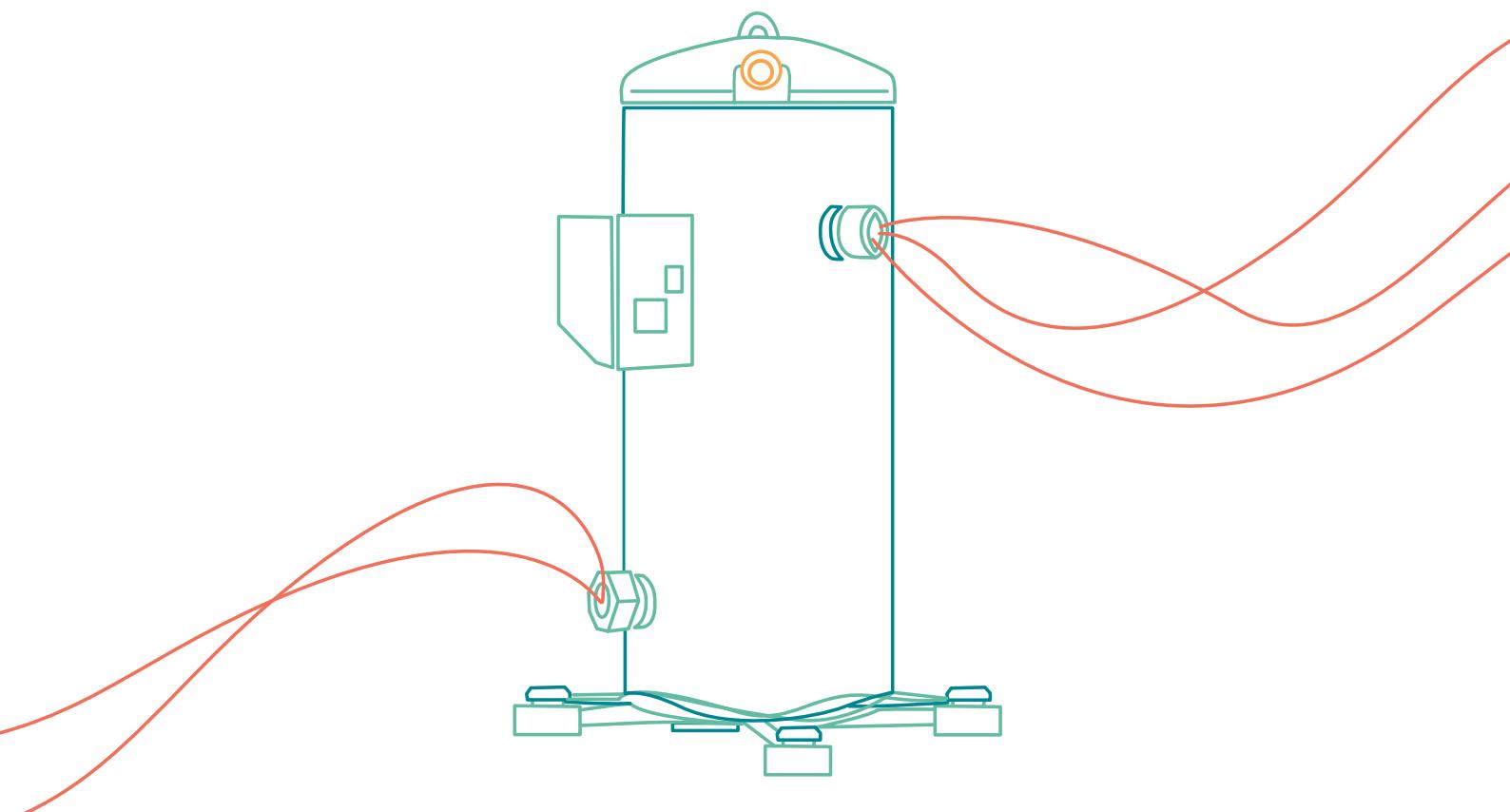


# SCROLL COMPRESSORS

## COMMERCIAL REFRIGERATION

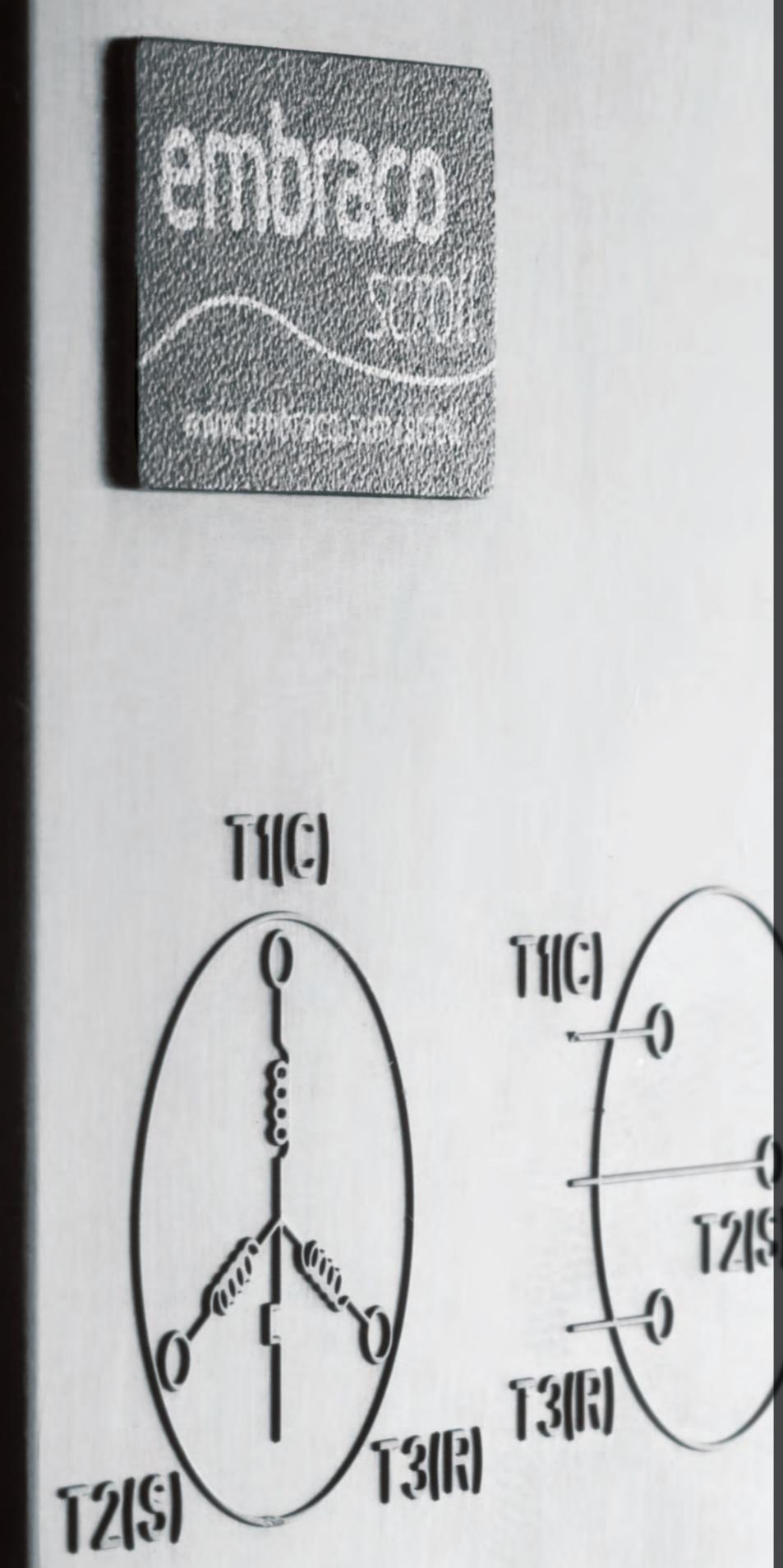
### FOR 50Hz



Multi-Refrigerant Platform

- R404A   ● R449A   ● R452A
- R448A   ● R134a   ● R513A

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A technical diagram of a scroll compressor. On the left, there's a circular cross-section labeled T1(C) at the top, T2(S) at the bottom left, and T3(R) at the bottom right. On the right, there's another circular cross-section labeled T1(C) at the top, T2(S) at the middle left, and T3(R) at the bottom left. The diagram shows internal components like the scroll plates and the refrigerant flow paths.

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# 01

**EMBRACO is a global cooling specialist and leader in the refrigeration market**, aiming to combine technology and services, engineered around customers' needs.

**Our mission is to provide innovative solutions for a better quality of life.** We are passionate about technology and constantly investing in new developments, energy efficiency improvements, sustainability of our products and processes, combined with premium quality, operational excellence, and business knowledge to support our customers to reach their goals and even exceed the most restrictive international standards.

## What makes the difference when you choose Embraco?

Thanks to our wide range of products combining hermetic and scroll compressors, condensing units and electronics, we can provide ultimate solutions for Household, Light Commercial and Aftermarket segments.

Our global footprint, with factories and offices located in Brasil, China, Italy, Mexico, Russia, Slovakia and United States, assures premium service level and runs flexible business in more than 80 Countries all over the world.

Our 500 professionals in R&D, laboratories and tech centers in 4 continents assure a constant focus and wide experience to support customers in the development of their solution.

 More than 11,500 employees

 More than 400 professionals in R&D

 Production capacity of over 38 million compressors per year

 More than 500 million products produced to date

 More than 1,200 patents worldwide

 Business conducted in more than 80 countries

 R&D laboratories on 4 continents

**embraco**

**transforming insights into great cooling experiences**

## REFRIGERATION SCROLL FROM EMBRACO

Embraco offers a full range of hermetic compressors for refrigeration from fractional HP up to 1,5 HP with a long experience in developing innovative solutions for commercial and professional refrigeration. With the **new range of scroll compressors for refrigeration** Embraco complete the product range for commercial and professional applications with a range of scroll compressors **from 2HP up to 13HP**. With the standard reciprocating range and the new scroll range Embraco is able to satisfy the most common applications, from small installations to bigger ones, in commercial and professional refrigeration market.



- **High Efficiency**



- **Long Terms Reliability**



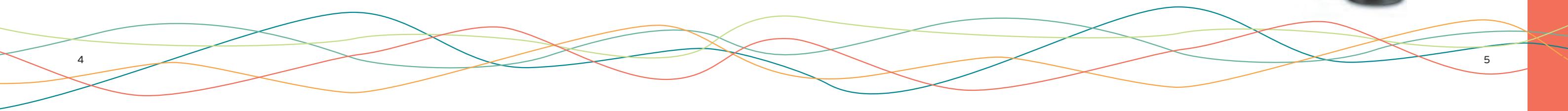
- **Multi-Refrigerant Platform:**  
**R404A, R449A, R452A, R448A,  
R134a, R513A**



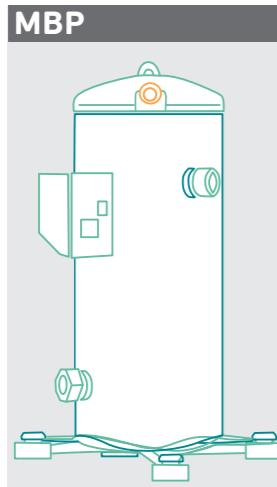
- **Robust and Reliable**  
**Technology proven for  
commercial applications**



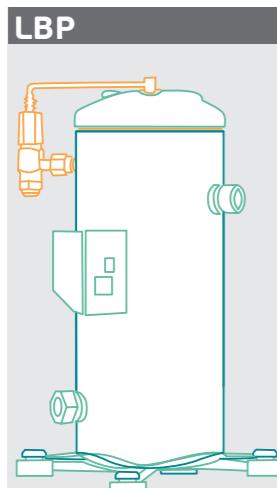
- **Silent Operation**



## SCROLL COMPRESSOR MAIN FEATURES



- Various models to meet refrigeration capacity needs
- Optimized for medium temperature applications
- Able to run at -30° C evaporating temperature without injection solutions



- Easy to use Liquid Injection with DTC valve
- Optimized for low temperature applications with discharge temperature management
- Able to work down to -40°C evaporating temperature

## OPTIMIZED NOISE LEVEL

- Built-in sound insulation to minimize running noise.
- Running sound optimization with careful design of internal loads and sealings.

## OPTIMIZED DESIGN

- Optimized footprint with compact design and light weight if compared to semi-hermetic solutions.
- Tubes and connections compatible with most popular scroll installations.
- Multi-Refrigerant Platform: R404A, R449A, R452A, R448A, R134a, R513A.
- Safe and easy electrical connections.
- Robust consolidated scroll design. Less moving parts than reciprocating solutions.

## HIGH RELIABILITY

- Radial and Axial adaptability
- Internal high pressure release valve.
- Internal overload protection.

## EXCELLENT PERFORMANCE

- Large application envelope.
- Optimal discharge temperature management.
- Optimum operation envelope.
- High efficiency motor design.
- Engineered to run at low evaporating temperature without injection.
- High COP performance.

## STANDARD FOOTPRINT AND CONNECTIONS

- Tubes and connections compatible with most popular scroll installations.
- Versatile connections, available Rotalock or Soldering options.
- Oil Sight Glass built-in, removable for oil equalization.

## COMMERCIAL REFRIGERATION RANGE FROM 2HP TO 13HP



3 ~ 380 - 420V 50Hz / 460V 60Hz

MODEL	HP	SWEPT VOLUME cm³/REV	DISPLACEMENT m³/h	COOLING CAPACITY (W)	COP (W/W)
SE6015GS-0	2	33.3	5.8	3565	2.05
SE6018GS-0	2.5	42	7.3	4256	2.17
SE6021GS-0	3	46.6	8.1	4847	2.23
SE6026GS-0	3.5	58	10.1	6108	2.22
SE6030GS-0	4	67.8	11.8	6930	2.30
SE6036GS-0	5	83.3	14.5	8512	2.35
SE6043GS-0	6	98.3	17.1	10114	2.35
SE6053GS-0	7	115.5	20.1	12257	2.35
SE6056GS-0	8	123	21.4	12911	2.35
SE6077GS-0	9	145.4	25.3	15864	2.35
SE6078GS-0	10	167.2	29.1	17881	2.35
SE6085GS-0	12	189.1	32.9	19563	2.37
SE6089GS-0	13	197.1	34.3	20573	2.37

1 ~ 220V 50Hz

MODEL	HP	SWEPT VOLUME cm³/REV	DISPLACEMENT m³/h	COOLING CAPACITY (W)	COP (W/W)
SE6015GK-C	2	33.3	5.8	3565	2.02
SE6018GK-C	2.5	42	7.3	4256	2.07
SE6021GK-C	3	46.6	8.1	4847	2.11
SE6026GK-C	3.5	58	10.1	6108	2.18
SE6030GK-C	4	67.8	11.8	6930	2.26

Test conditions EN12900 Te -10°C; Tc 45°C; Rg 20°C; No subcooling; Ta 35°C

3 ~ 380 - 420V 50Hz / 460V 60Hz

MODEL	HP	SWEPT VOLUME cm³/REV	DISPLACEMENT m³/h	COOLING CAPACITY (W)	COP (W/W)
SE2006GS-0	2	33.3	5.8	1171	1.10
SE2008GS-0	2.5	42	7.3	1495	1.11
SE2010GS-0	3	46.6	8.1	1756	1.12
SE2012GS-0	3.5	58	10.1	2277	1.12
SE2014GS-0	4	67.8	11.8	2656	1.22
SE2017GS-0	5	83.3	14.5	3152	1.26
SE2020GS-0	6	98.3	17.1	3692	1.27
SE2023GS-0	8	123	21.4	4730	1.19
SE2028GS-0	9	145.4	25.3	5525	1.23
SE2031GS-0	10	167.2	29.1	6408	1.27
SE2039GS-0	12	189.1	32.9	7279	1.28

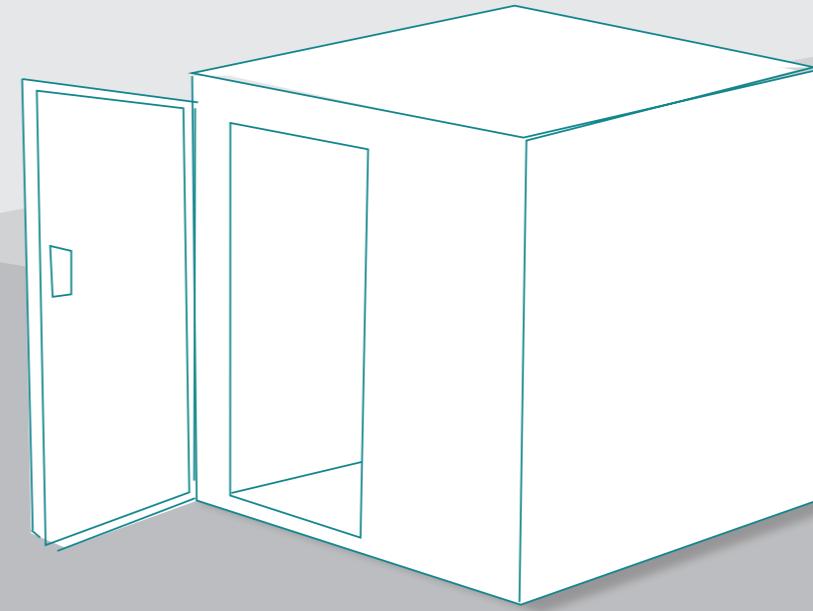
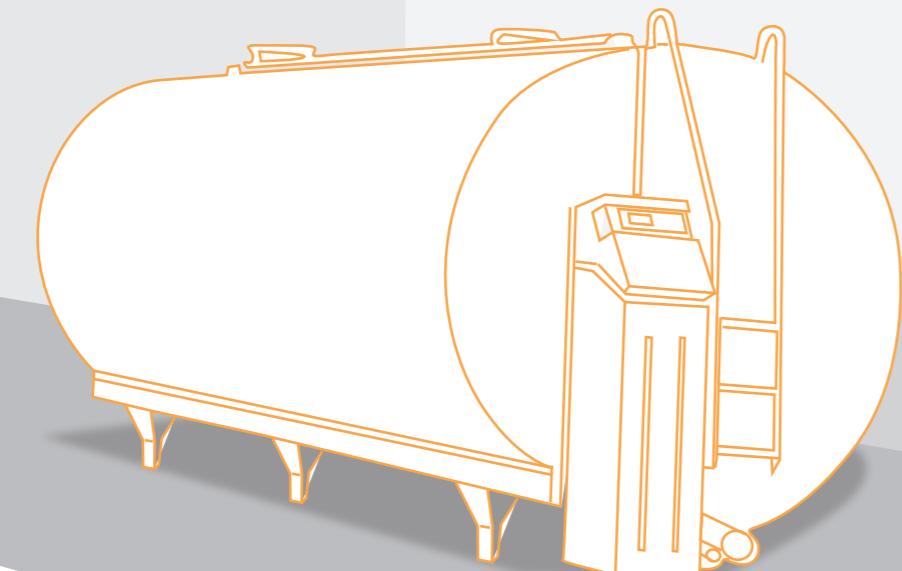
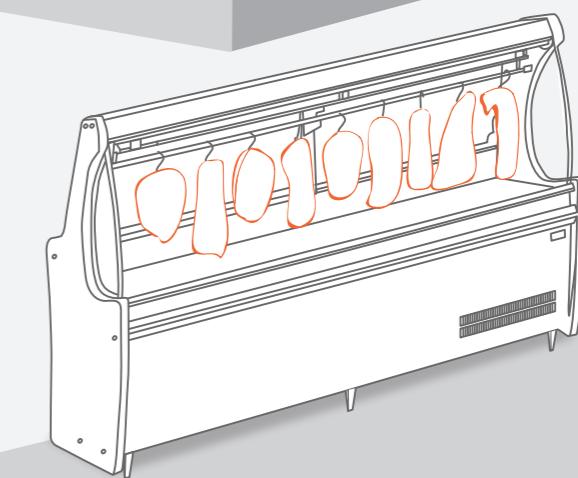
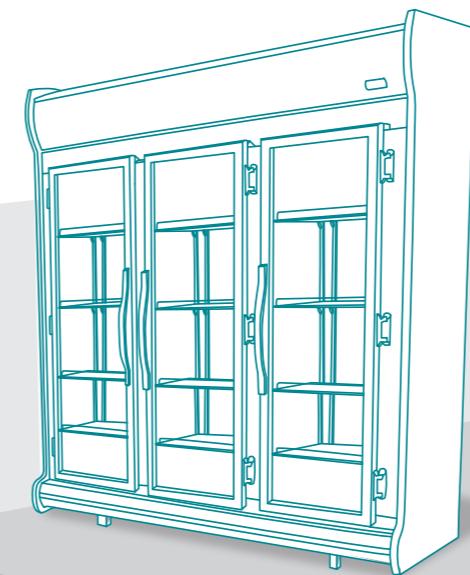
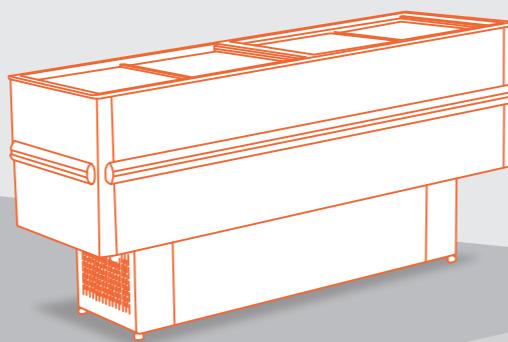
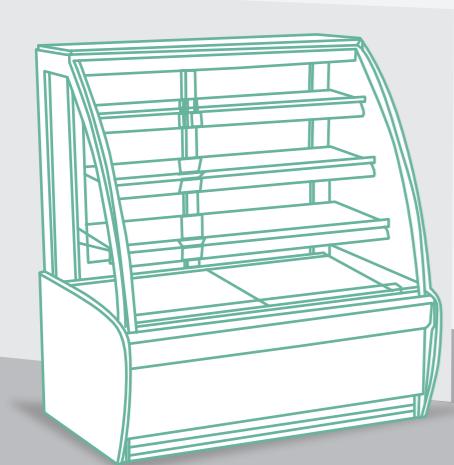
1 ~ 220V 50Hz

MODEL	HP	SWEPT VOLUME cm³/REV	DISPLACEMENT m³/h	COOLING CAPACITY (W)	COP (W/W)
SE2006GK-C	2	33.3	5.8	1171	1.09
SE2008GK-C	2.5	42	7.3	1495	1.08
SE2010GK-C	3	46.6	8.1	1756	1.09
SE2012GK-C	3.5	58	10.1	2277	1.09
SE2014GK-C	4	67.8	11.8	2656	1.20

Test conditions EN12900 Te -35°C; Tc 40°C; Rg 20°C; No subcooling; Ta 35°C

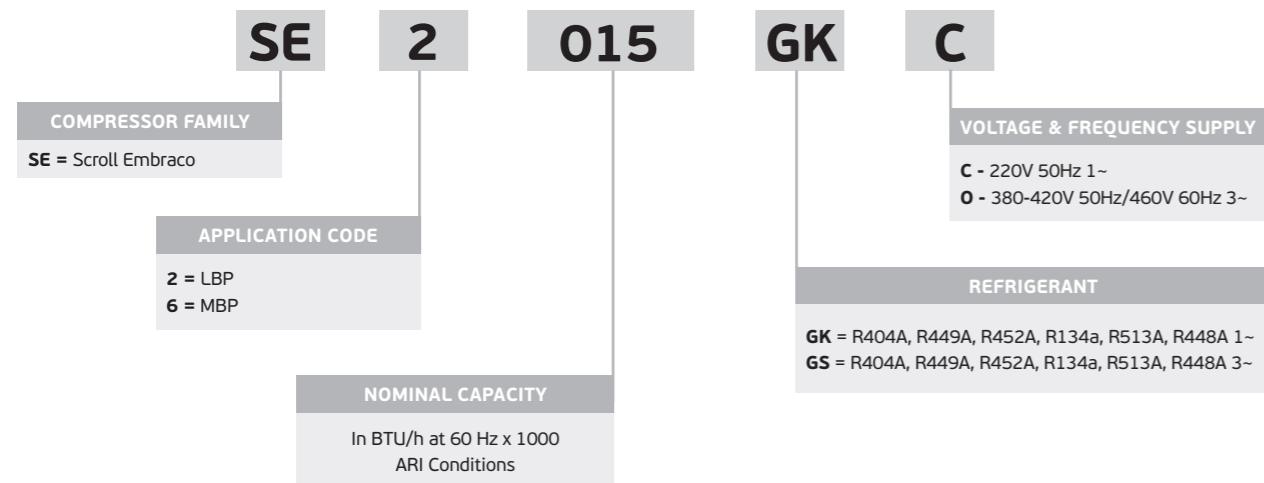
## APPLICATIONS

Our product range is optimized and tested in the field for various applications: commercial and professional cabinets, supermarkets, convenience stores, food retail, etc. Embraco Scroll is focused in the offering the best trade-off among top performance and reliability, with the target of developing solutions with high efficiency and long terms reliability, using various options of refrigerants with a clear focus on green solutions.

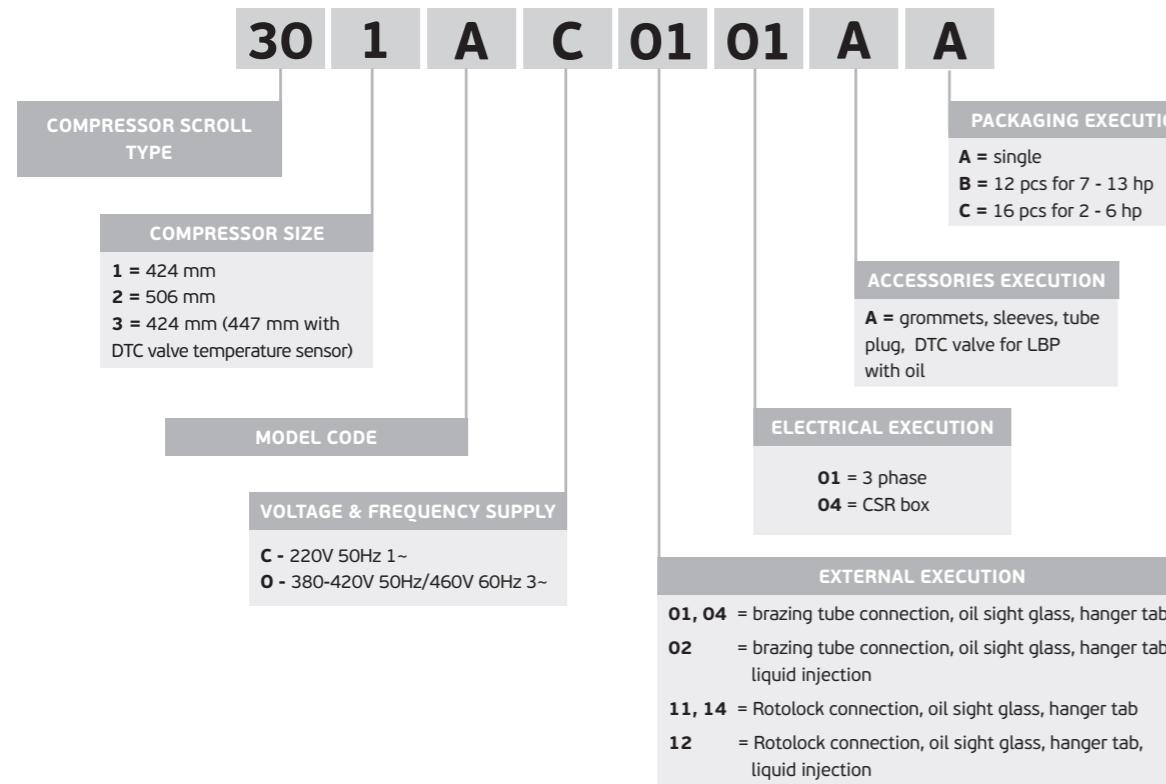


## NOMENCLATURE

### MODEL DESCRIPTION



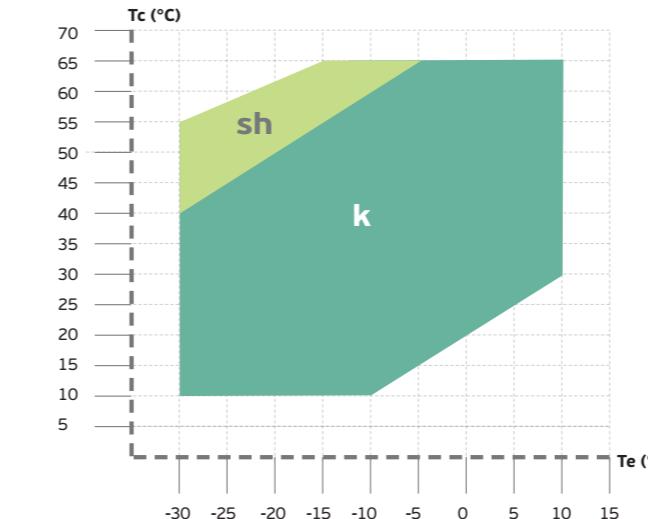
### COMPRESSOR BILL OF MATERIAL



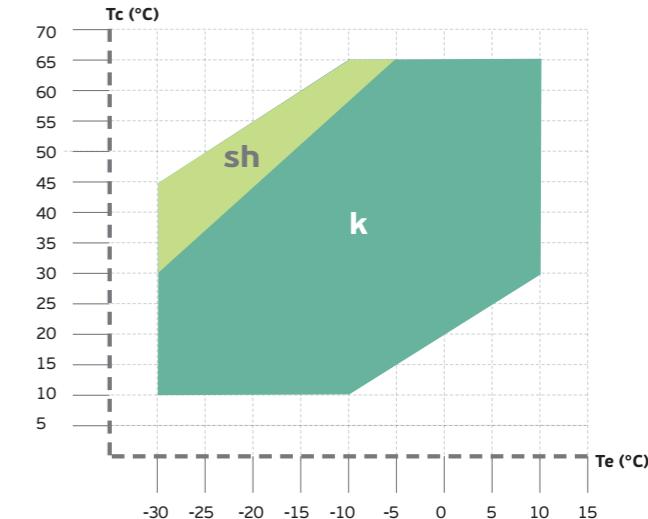
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## OPERATING ENVELOPE

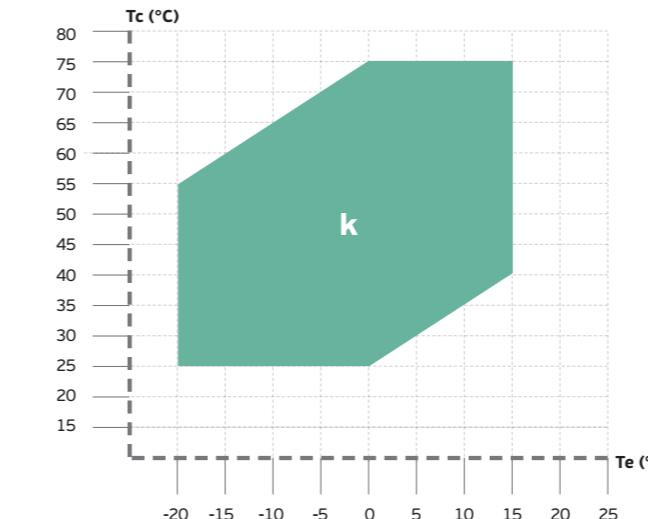
### MBP - R404A/R452A



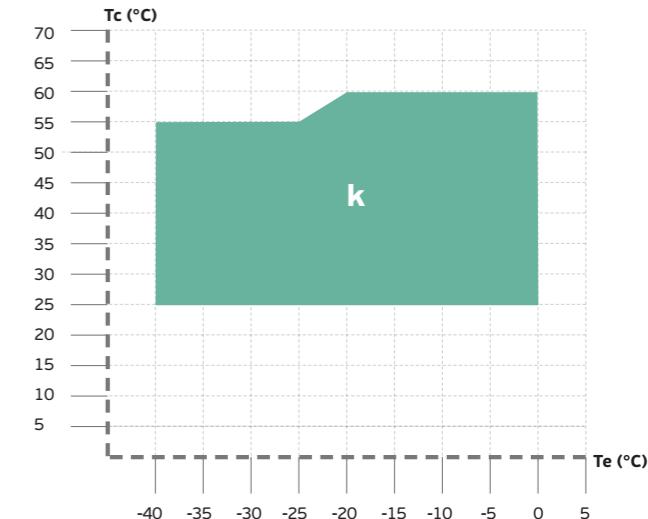
### MBP - R449A/R448A



### MBP - R134a/R513A



### LBP R404A/R452A/R449A/R448A



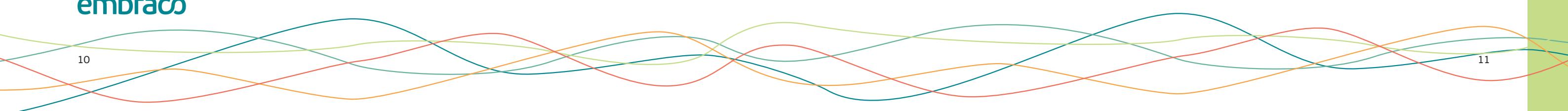
Tc: Condensing Temperature °C

Te: Evaporating Temperature °C

k: Operating condition, Ambient 35°C, return gas temperature 20°C

sh: Superheating area; 11,1k

Note: Usage of compressors outside of the intended operating envelope, can not make use of warranty, or should be consulted with Technical Support.



## ELECTRICAL MOTOR TYPES

TYPE OF MOTOR	PROTECTOR	STARTING DEVICE	CAPACITORS		CSR BOX
	Overload Protector	Voltage Relay	Start	Run	Recommended wire section
<b>CSR</b> Capacitive Start & Run (*)	✓	✓	✓	✓	11 AWG
<b>3-Phases (**)</b>	✓	-	-	-	-

(\*) CSR - Capacitive Start and Run - This type of connection has permanently connected run capacitor in series with start winding. Run capacitor remains connected also after the motor starts. Start capacitor is connected in series to start winding. Potential relay, calibrated for each motor, disconnects the start capacitor at the end of the start.

(\*\*) Three-phase windings with star connections.

## ELECTRICAL COMPONENTS SPECIFICATION OF SINGLE PHASE

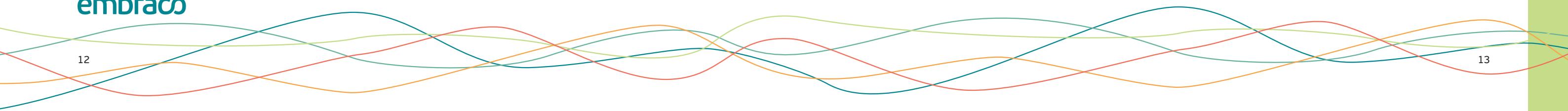
APPLICATION	MODEL	START CAPACITOR	RUN CAPACITOR	STARTING DEVICE
<b>MBP</b>	<b>SE6015GK-C</b>	160µF 330V	60µF 450V	HLR3800-3E3D
	<b>SE6018GK-C</b>	160µF 330V	60µF 450V	HLR3800-3E3D
	<b>SE6021GK-C</b>	160µF 330V	60µF 450V	HLR3800-3E3D
	<b>SE6026GK-C</b>	250µF 330V	80µF 450V	HLR3800-3H3D
	<b>SE6030GK-C</b>	250µF 330V	80µF 450V	HLR3800-3H3D
<b>LBP</b>	<b>SE2006GK-C</b>	160µF 330V	60µF 450V	HLR3800-3E3D
	<b>SE2008GK-C</b>	160µF 330V	60µF 450V	HLR3800-3E3D
	<b>SE2010GK-C</b>	160µF 330V	60µF 450V	HLR3800-3E3D
	<b>SE2012GK-C</b>	250µF 330V	80µF 450V	HLR3800-3H3D
	<b>SE2014GK-C</b>	250µF 330V	80µF 450V	HLR3800-3H3D

## ELECTRICAL DATA OF THREE PHASE MOTOR (380-420V 50Hz / 460V 60Hz)

APPLICATION	MODEL	RATED LOAD AMPS RLA (A)	LOCKED ROTOR AMPS LRA (A)	MAX OPERATING CURRENT MOC (A)	RUN WINDING RESISTANCE ( $\pm 10\%$ ) AT 25°C (Ω)
<b>MBP</b>	<b>SE6015GS-O</b>	3.1	22	5.2	6.7
	<b>SE6018GS-O</b>	4.4	45	6.4	3.3
	<b>SE6021GS-O</b>	4.6	45	6.9	3.3
	<b>SE6026GS-O</b>	6	60	9.2	3.3
	<b>SE6030GS-O</b>	6.4	60	10.3	2.45
	<b>SE6036GS-O</b>	7.1	60	12.2	2.45
	<b>SE6043GS-O</b>	8.2	65	14.3	1.9
	<b>SE6053GS-O</b>	10.9	117	17.3	1.09
	<b>SE6056GS-O</b>	11.2	117	18.4	1.09
	<b>SE6067GS-O</b>	12.6	117	21	1.09
	<b>SE6078GS-O</b>	13.7	121	23.6	1.06
	<b>SE6085GS-O</b>	14.5	121	26.5	1.06
	<b>SE6089GS-O</b>	15.1	121	27.6	1.06
	<b>SE2006GS-O</b>	2.2	22	3.8	6.7
	<b>SE2008GS-O</b>	2.6	22	4.4	6.7
<b>LBP</b>	<b>SE2010GS-O</b>	4	45	5.8	3.3
	<b>SE2012GS-O</b>	5.2	60	7.5	2.45
	<b>SE2014GS-O</b>	5.6	60	8.8	2.45
	<b>SE2017GS-O</b>	5.9	60	10.3	2.45
	<b>SE2020GS-O</b>	6.6	60	12.1	1.9
	<b>SE2023GS-O</b>	9	117	18	1.09
	<b>SE2028GS-O</b>	9.6	117	20.1	1.09
	<b>SE2031GS-O</b>	10.3	121	22.7	1.09
	<b>SE2039GS-O</b>	11.1	121	25.6	1.06

## ELECTRICAL DATA OF SINGLE MOTOR (220V 50Hz)

APPLICATION	MODEL	RATED LOAD AMPS RLA (A)	LOCKED ROTOR AMPS LRA (A)	MAX OPERATING CURRENT MOC (A)	RUN WINDING RESISTANCE ( $\pm 10\%$ ) AT 25°C (Ω)	START WINDING RESISTANCE ( $\pm 10\%$ ) AT 25°C (Ω)
<b>MBP</b>	<b>SE6015GK-C</b>	8.4	76	16.2	0.7	1.4
	<b>SE6018GK-C</b>	9.8	76	17.2	0.7	1.4
	<b>SE6021GK-C</b>	10.9	76	19	0.7	1.4
	<b>SE6026GK-C</b>	13.3	109	25.7	0.5	1.3
	<b>SE6030GK-C</b>	14.6	109	28.1	0.5	1.3
<b>LBP</b>	<b>SE2006GK-C</b>	5.1	76	13.4	0.7	1.4
	<b>SE2008GK-C</b>	6.6	76	14.2	0.7	1.4
	<b>SE2010GK-C</b>	7.7	76	16.2	0.7	1.4
	<b>SE2012GK-C</b>	9.9	109	21.3	0.5	1.3
	<b>SE2014GK-C</b>	10.5	109	23.3	0.5	1.3



## DEGREE OF PROTECTION

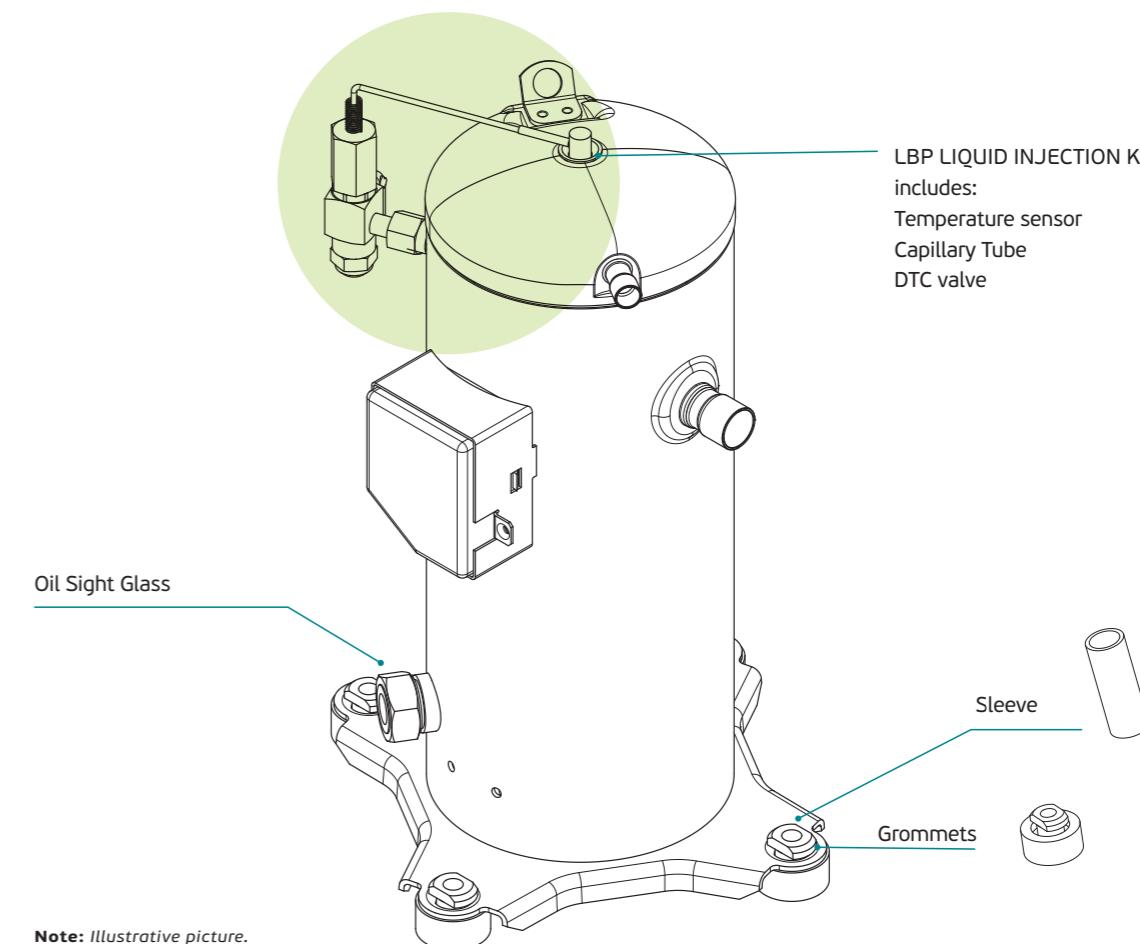
The degree of protection provided by the terminal cover and CSR box supplied with the compressor is IP21, where:

- 2 – protected against solid objects over 12,5 mm (fingers or similar)**
- 1 – protected against vertically falling drops of water or condensation**

## VOLTAGE & FREQUENCY

CODE	VOLTAGE & FREQUENCY	VOLTAGE WORKING RANGE		MINIMUM START VOLTAGE	
		50Hz	60Hz	50Hz	60Hz
<b>C</b>	220V 50Hz 1~	198V - 242V	-	187V	-
<b>O</b>	380-420V 50Hz / 460V 60Hz 3~	342V - 462V	414V - 506V	334V	391V

## ACCESSORIES (INCLUDED)



Note: Illustrative picture.

## TEST CONDITIONS

TEST CONDITIONS	APPLICATION	EVAPORATING TEMPERATURE °C	CONDENSING TEMPERATURE °C	RETURN GAS TEMPERATURE °C	SUBCOOLING	AMBIENT TEMPERATURE °C
<b>EN 12900</b>	LBP	-35	40	20	0	35
	MBP	-10	45			
<b>ARI 540 (2015)</b>	LBP	-31,6	40,6	4,4	0	35
<b>ARI 540 (2004)</b>	MBP	-6,7	48,9	4,4	0	35

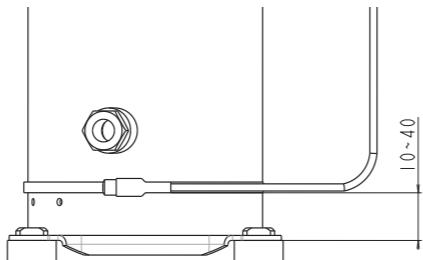
## ADDITIONAL CONNECTIONS

CONNECTIONS	BRAZING CONNECTION		ROTOLOCK CONNECTION	
	I.D. mm		I.D. inches	
SHELL SIZE	Suction	Discharge	Suction	Discharge
2 - 6 HP	22.35 - 22.45	12.87 - 12.97	1 1/4"	3/4"
7 - 13 HP	28.83 - 28.93	22.35 - 22.45	1 3/4"	1 1/4"

## OPTIONAL ACCESSORIES

SHELL SIZE	CRANKCASE HEATER			SOUND JACKET	
	VOLTAGE (V)	NOMINAL POWER (W)	LENGTH (mm)	SOUND ATTENUATION AT 50 Hz (dBA)	SOUND JACKET THICKNESS (mm)
2 - 6 HP	230	70	430	3	12
7 - 13 HP	230	70	430	6	12

Crankcase heater position



## TUBE ADAPTERS



ADAPTER	ODS	TIGHTENING TORQUE (Nm)
3/4" - 16UNF	3/8"	40
1 1/4"-12UNF	5/8"	90
	7/8"	
1 3/4"-12UN	1 1/8"	120

## ROTOLOCK VALVES



ROTOLOCK VALVE	ODS	TIGHTENING TORQUE (Nm)
3/4" - 16UNF	1/2"	40
	3/8"	
1 1/4"-12UNF	5/8"	90
	3/4"	
1 3/4"-12UN	7/8"	120
	1 1/8"	
	1 3/8"	

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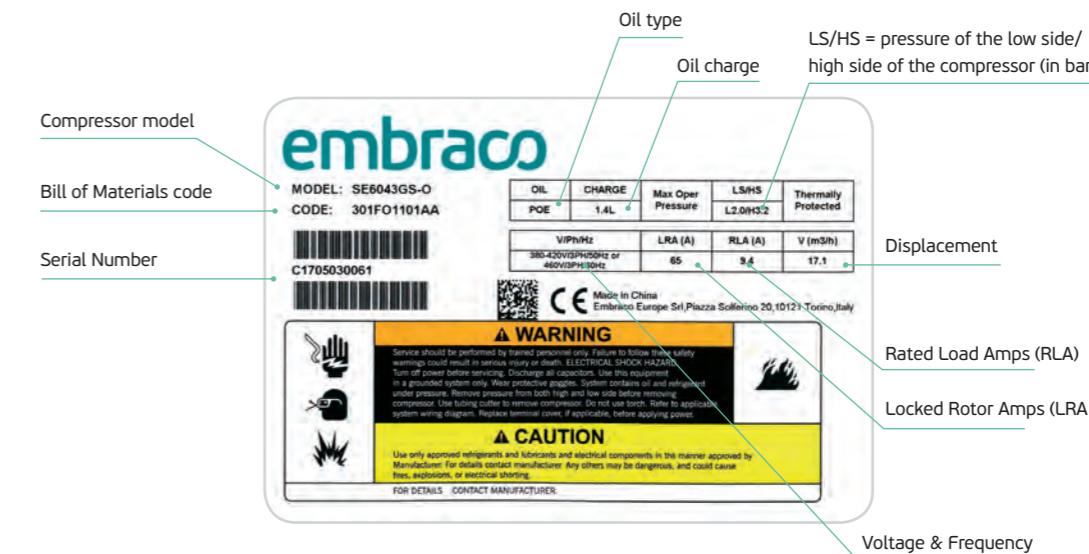
## PACKAGING



### SCROLL PACKAGING

PACKAGING TYPE	CODE	QUANTITY PER PALLET	DIMENSIONS (mm)	OBS
SINGLE PACK	A	9	330 x 330 x 450 (2-6hp)	Grommets, sleeves, tube plug, DTC valve included for LBP
			330 x 330 x 540 (7-13hp)	
MULTIPLE PACK	B	12	1100 x 1100 x 660	
			1100 x 1100 x 560	

## IDENTIFICATION LABEL



## R449A - MBP - 380-420V 50Hz/460V 60Hz 3~

MODEL	HP	EN12900 TE -10°C; TC 45°C; RG 20°C; NO SUBCOOLING; TA 35°C 380V/50Hz				OIL TYPE POE32		MAX. RECOMMENDED REFRIGERANT CHARGE (kg)	SUCTION ROTOLOCK CONNECTOR	SUCTION CONNECTOR ID Ø (mm)	DISCHARGE ROTOLOCK CONNECTOR	DISCHARGE CONNECTOR ID Ø (mm)	MAX. HEIGHT (mm)	COMPRESSOR SHELL Ø (mm)	BASE PLATE HOLES INTERAXIS (mm)	BASE PLATE MAX. DIMENSIONS (mm)	TOTAL WEIGHT (kg)	SIMPLE EXTERNAL DRW	WIRING DIAGRAM	MODEL			
		SWEPT VOLUME cm³ / REV	DISPLACEMENT m³ / h	COOLING CAPACITY (W)	POWER INPUT (W)	COP (W/W)	SOUND POWER LEVEL (dBA)	OIL INITIAL CHARGE VOLUME (L)	OIL RECHARGE VOLUME (L)														
SE6015GS-0	2	33.3	5.8	3565	1735	2.05	71	1.4	1.25	2.8	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	30	MBP_2-6hp	SM31	SE6015GS-0
SE6018GS-0	2.5	42	7.3	4256	1960	2.17	71	1.4	1.25	3.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	30	MBP_2-6hp	SM31	SE6018GS-0
SE6021GS-0	3	46.6	8.1	4847	2173	2.23	71	1.4	1.25	3.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	30	MBP_2-6hp	SM31	SE6021GS-0
SE6026GS-0	3.5	58	10.1	6108	2747	2.22	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	32	MBP_2-6hp	SM31	SE6026GS-0
SE6030GS-0	4	67.8	11.8	6930	3011	2.30	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	32	MBP_2-6hp	SM31	SE6030GS-0
SE6036GS-0	5	83.3	14.5	8512	3625	2.35	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	32	MBP_2-6hp	SM31	SE6036GS-0
SE6043GS-0	6	98.3	17.1	10114	4308	2.35	74	1.4	1.25	5.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	34	MBP_2-6hp	SM31	SE6043GS-0
SE6053GS-0	7	115.5	20.1	12257	5221	2.35	75	2.7	2.6	6.5	1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	54	MBP_7-13hp	SM31	SE6053GS-0
SE6056GS-0	8	123	21.4	12911	5499	2.35	75	2.7	2.6	8	1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	54	MBP_7-13hp	SM31	SE6056GS-0
SE6067GS-0	9	145.4	25.3	15864	6757	2.35	76	2.7	2.6	8	1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	54	MBP_7-13hp	SM31	SE6067GS-0
SE6078GS-0	10	167.2	29.1	17881	7616	2.35	76	2.7	2.6	10.5	1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	55	MBP_7-13hp	SM31	SE6078GS-0
SE6085GS-0	12	189.1	32.9	19563	8250	2.37	77	2.7	2.6	10.5	1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	55	MBP_7-13hp	SM31	SE6085GS-0
SE6089GS-0	13	197.1	34.3	20573	8676	2.37	77	2.7	2.6	10.5	1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	55	MBP_7-13hp	SM31	SE6089GS-0

## R449A - MBP - 220V 50Hz 1~

MODEL	HP	EN12900 TE -10°C; TC 45°C; RG 20°C; NO SUBCOOLING; TA 35°C 220V/50Hz				OIL TYPE POE32		MAX. RECOMMENDED REFRIGERANT CHARGE (kg)	SUCTION ROTOLOCK CONNECTOR	SUCTION CONNECTOR ID Ø (mm)	DISCHARGE ROTOLOCK CONNECTOR	DISCHARGE CONNECTOR ID Ø (mm)	MAX. HEIGHT (mm)	COMPRESSOR SHELL Ø (mm)	BASE PLATE HOLES INTERAXIS (mm)	BASE PLATE MAX. DIMENSIONS (mm)	TOTAL WEIGHT (kg)	SIMPLE EXTERNAL DRW	WIRING DIAGRAM	MODEL			
		SWEPT VOLUME cm³ / REV	DISPLACEMENT m³ / h	COOLING CAPACITY (W)	POWER INPUT (W)	COP (W/W)	SOUND POWER LEVEL (dBA)	OIL INITIAL CHARGE VOLUME (L)	OIL RECHARGE VOLUME (L)														
SE6015GK-C	2	33.3	5.8	3565	1766	2.02	71	1.4	1.25	2.8	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	34	MBP_2-6hp	SM30	SE6015GK-C
SE6018GK-C	2.5	42	7.3	4256	2060	2.07	71	1.4	1.25	3.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	34	MBP_2-6hp	SM30	SE6018GK-C
SE6021GK-C	3	46.6	8.1	4847	2294	2.11	71	1.4	1.25	3.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	34	MBP_2-6hp	SM30	SE6021GK-C
SE6026GK-C	3.5	58	10.1	6108	2802	2.18	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	35	MBP_2-6hp	SM30	SE6026GK-C
SE6030GK-C	4	67.8	11.8	6930	3072	2.26	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	35	MBP_2-6hp	SM30	SE6030GK-C

Note: Subject to modification without prior notification.

## GENERAL DATA &amp; PERFORMANCE

## GENERAL DATA &amp; PERFORMANCE

## R449A - LBP - 380-420V 50Hz/460V 60Hz 3~

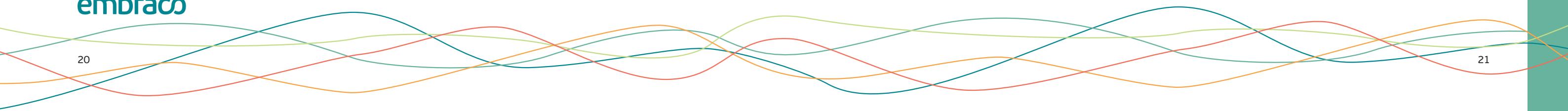
MODEL	HP	EN12900 TE -35°C; TC 40°C; RG 20°C; NO SUBCOOLING; TA 35°C 380V/50Hz				OIL TYPE POE32		SUCTION ROTOLOCK CONNECTOR	SUCTION CONNECTOR ID Ø (mm)	DISCHARGE ROTOLOCK CONNECTOR	DISCHARGE CONNECTOR ID Ø (mm)	MAX. HEIGHT (mm)	COMPRESSOR SHELL Ø (mm)	BASE PLATE HOLES INTERAXIS (mm)	BASE PLATE MAX. DIMENSIONS (mm)	TOTAL WEIGHT (kg)	SIMPLE EXTERNAL DRW	WIRING DIAGRAM	MODEL				
		SWEEP VOLUME cm³ / REV	DISPLACEMENT m³ / h	COOLING CAPACITY (W)	POWER INPUT (W)	COP (W/W)	SOUND POWER LEVEL (dBA)	OIL INITIAL CHARGE VOLUME (L)	OIL RECHARGE VOLUME (L)	MAX. RECOMMENDED REFRIGERANT CHARGE (kg)													
SE2006GS-0	2	33.3	5.8	1171	1067	1.10	71	1.4	1.25	2.8	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	31	LBP_2-6hp	SM31	SE2006GS-0
SE2008GS-0	2.5	42	7.3	1495	1352	1.11	71	1.4	1.25	3.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	31	LBP_2-6hp	SM31	SE2008GS-0
SE2010GS-0	3	46.6	8.1	1756	1572	1.12	71	1.4	1.25	3.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	31	LBP_2-6hp	SM31	SE2010GS-0
SE2012GS-0	3.5	58	10.1	2277	2040	1.12	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	33	LBP_2-6hp	SM31	SE2012GS-0
SE2014GS-0	4	67.8	11.8	2656	2170	1.22	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	33	LBP_2-6hp	SM31	SE2014GS-0
SE2017GS-0	5	83.3	14.5	3152	2492	1.26	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	33	LBP_2-6hp	SM31	SE2017GS-0
SE2020GS-0	6	98.3	17.1	3692	2897	1.27	74	1.4	1.25	5.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	34	LBP_2-6hp	SM31	SE2020GS-0
SE2023GS-0	8	123	21.4	4730	3968	1.19	77	2.7	2.6		1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	54	LBP_8-12hp	SM31	SE2023GS-0
SE2028GS-0	9	145.4	25.3	5525	4480	1.23	77	2.7	2.6		1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	54	LBP_8-12hp	SM31	SE2028GS-0
SE2031GS-0	10	167.2	29.1	6408	5058	1.27	77	2.7	2.6		1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	55	LBP_8-12hp	SM31	SE2031GS-0
SE2039GS-0	12	189.1	32.9	7279	5706	1.28	77	2.7	2.6		1 3/4"-12UN	28.88		1 1/4"-12 UNF 2A	22.4	506	197	191x191	232x232	55	LBP_8-12hp	SM31	SE2039GS-0

## R449A - LBP - 220V 50Hz 1~

MODEL	HP	EN12900 TE -35°C; TC 40°C; RG 20°C; NO SUBCOOLING; TA 35°C 220V/50Hz				OIL TYPE POE32		SUCTION ROTOLOCK CONNECTOR	SUCTION CONNECTOR ID Ø (mm)	DISCHARGE ROTOLOCK CONNECTOR	DISCHARGE CONNECTOR ID Ø (mm)	MAX. HEIGHT (mm)	COMPRESSOR SHELL Ø (mm)	BASE PLATE HOLES INTERAXIS (mm)	BASE PLATE MAX. DIMENSIONS (mm)	TOTAL WEIGHT (kg)	SIMPLE EXTERNAL DRW	WIRING DIAGRAM	MODEL				
		SWEEP VOLUME cm³ / REV	DISPLACEMENT m³ / h	COOLING CAPACITY (W)	POWER INPUT (W)	COP (W/W)	SOUND POWER LEVEL (dBA)	OIL INITIAL CHARGE VOLUME (L)	OIL RECHARGE VOLUME (L)	MAX. RECOMMENDED REFRIGERANT CHARGE (kg)													
SE2006GK-C	2	33.3	5.8	1171	1076	1.09	71	1.4	1.25	2.8	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	34	LBP_2-6hp	SM30	SE2006GK-C
SE2008GK-C	2.5	42	7.3	1495	1379	1.08	71	1.4	1.25	3.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	34	LBP_2-6hp	SM30	SE2008GK-C
SE2010GK-C	3	46.6	8.1	1756	1609	1.09	71	1.4	1.25	3.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	34	LBP_2-6hp	SM30	SE2010GK-C
SE2012GK-C	3.5	58	10.1	2277	2083	1.09	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	35	LBP_2-6hp	SM30	SE2012GK-C
SE2014GK-C	4	67.8	11.8	2656	2216	1.20	73	1.4	1.25	4.5	1 1/4"-12 UNF 2A	22.4		3/4"-16 UNF 2A	12.92	424	168	191x191	239x239	35	LBP_2-6hp	SM30	SE2014GK-C

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Note: Subject to modification without prior notification.



## R449A - MBP 1~ (Testing Voltage 220V/50Hz)

MODEL	PARAMETER	CONDENSING TEMP. °C	EVAPORATING TEMPERATURE °C°									
			-30	-25	-20	-15	-10	-5	0	5	10	
SE6015GK-C	COOLING CAPACITY (W)	65				2375	2972	3651	4432	5335		
		60				2169	2726	3352	4071	4901	5864	
		55			1940	2459	3038	3697	4458	5341	6368	
		50		1691	2177	2711	3316	4011	4818	5758	6850	
		45	1428	1884	2378	2931	3565	4299	5156	6155	7317	
		40	1585	2043	2549	3124	3790	4567	5475	6537	7772	
		35	1710	2172	2693	3294	3995	4817	5782	6909	8220	
		30	1806	2277	2816	3446	4185	5057	6080	7276	8667	
		25	1880	2362	2923	3584	4366	5289	6374	7643		
		20	1935	2432	3018	3714	4541	5519	6670			
		15	1977	2492	3106	3840	4715	5752				
		10	2010	2546	3191	3967	4894					
		65				2665	2784	2900	3013	3119		
		60				2264	2378	2491	2602	2708	2809	
		55			1924	2030	2137	2244	2349	2449	2544	
SE6018GK-C	POWER INPUT (W)	50		1640	1736	1835	1936	2036	2135	2229	2317	
		45	1407	1490	1579	1672	1766	1860	1951	2039	2121	
		40	1289	1365	1447	1533	1620	1707	1792	1872	1947	
		35	1189	1258	1332	1410	1490	1570	1648	1721	1789	
		30	1098	1160	1227	1297	1369	1442	1512	1578	1638	
		25	1010	1064	1123	1185	1250	1314	1377	1435		
		20	917	962	1013	1067	1124	1180	1234			
		15	810	847	889	935	983	1032				
		10	683	711	745	782	822					
		65				2835	3548	4359	5291	6369		
		60				2590	3254	4002	4860	5851	7001	
		55			2316	2935	3626	4414	5322	6377	7602	
		50		2019	2599	3237	3958	4789	5752	6874	8178	
SE6021GK-C	COOLING CAPACITY (W)	45	1705	2249	2839	3500	4256	5133	6155	7347	8735	
		40	1892	2438	3043	3730	4524	5452	6536	7804	9278	
		35	2041	2593	3215	3932	4769	5751	6902	8248	9813	
		30	2156	2718	3362	4113	4997	6037	7258	8687	10346	
		25	2244	2820	3490	4279	5212	6314	7610	9124		
		20	2310	2903	3603	4434	5421	6589	7963			
		15	2360	2975	3708	4584	5629	6867				
		10	2400	3040	3810	4736	5842					
		65				3109	3248	3384	3515	3639		
		60				2641	2774	2906	3035	3160	3277	
		55			2245	2368	2493	2618	2740	2858	2968	
		50		1913	2025	2141	2258	2376	2490	2600	2703	
SE6026GK-C	POWER INPUT (W)	45	1641	1739	1842	1950	2060	2170	2277	2379	2474	
		40	1504	1593	1689	1788	1890	1991	2090	2184	2272	
		35	1387	1467	1554	1645	1739	1832	1922	2008	2087	
		30	1281	1353	1431	1513	1598	1682	1764	1841	1911	
		25	1179	1241	1310	1383	1458	1533	1606	1674		
		20	1070	1122	1181	1245	1311	1377	1440			
		15	945	988	1037	1091	1147	1203				
		10	797	830	869	913	959					
		65				3229	4041	4964	6025	7253		
		60				2949	3706	4558	5534	6663	7973	
		55			2637	3343	4130	5026	6061	7262	8657	
		50		2299	2959	3686	4508	5453	6551	7828	9313	
SE6030GK-C	COOLING CAPACITY (W)	45	1942	2561	3233	3985	4847	5845	7009	8367	9948	
		40	2155	2777	3465	4247	5152	6208	7444	8887	10566	
		35	2324	2953	3661	4478	5431	6549	7861	9393	11176	
		30	2456	3095	3829	4684	5690	6875	8266	9892	11783	
		25	2556	3211	3974	4873	5935	7190	8666	10391		
		20	2631	3306	4103	5049	6173	7503	9068			
		15	2688	3388	4223	5221	6410	7820				
		10	2733	3462	4339	5393	6653					
		65				3462	3616	3768	3914	4052		
		60				2941	3088	3235	3379	3518	3649	
		55		2499	2637	2776	2915	3051	3182	3305		
		50		2130	2254	2383	2514	2645	2773	2895	3010	
		45	1827	1936	2051	2171	2294	2416	2535	2649	2755	
SE6035GK-C	POWER INPUT (W)	40	1674	1774	1880	1991	2104	2217	2327	2432	2529	
		35	1544	1634	1731	1832	1936	2039	2140	2236	2324	
		30	1427	1506	1593	1685	1779	1873	1964	2050	2128	
		25	1312	1382	1458	1540	1623	1707	1788	1864	</td	

## R449A - MBP 3~ (Testing Voltage 380V/50Hz)

MODEL	PARAMETER	CONDENSING TEMP. °C	EVAPORATING TEMPERATURE °C°									
			-30	-25	-20	-15	-10	-5	0	5	10	
SE6015GS-0	COOLING CAPACITY (W)	65				2375	2972	3651	4432	5335		
		60				2169	2726	3352	4071	4901	5864	
		55			1940	2459	3038	3697	4458	5341	6368	
		50		1691	2177	2711	3316	4011	4818	5758	6850	
		45	1428	1884	2378	2931	3565	4299	5156	6155	7317	
		40	1585	2043	2549	3124	3790	4567	5475	6537	7772	
		35	1710	2172	2693	3294	3995	4817	5782	6909	8220	
		30	1806	2277	2816	3446	4185	5057	6080	7276	8667	
		25	1880	2362	2923	3584	4366	5289	6374	7643		
		20	1935	2432	3018	3714	4541	5519	6670			
		15	1977	2492	3106	3840	4715	5752				
		10	2010	2546	3191	3967	4894					
		65				2619	2736	2850	2961	3065		
		60				2225	2327	2448	2557	2661	2760	
SE6018GS-0	POWER INPUT (W)	55			1891	1995	2100	2205	2308	2407	2500	
		50		1611	1706	1803	1902	2001	2098	2190	2277	
		45	1382	1465	1552	1643	1735	1828	1918	2004	2084	
		40	1267	1342	1422	1506	1592	1677	1761	1840	1914	
		35	1168	1236	1309	1386	1465	1543	1619	1692	1758	
		30	1079	1140	1205	1275	1346	1417	1486	1551	1610	
		25	993	1045	1103	1165	1228	1291	1353	1410		
		20	901	945	995	1049	1104	1160	1213			
		15	796	832	874	919	966	1014				
		10	672	699	732	769	808					
SE6021GS-0	COOLING CAPACITY (W)	65				2835	3548	4359	5291	6369		
		60				2590	3254	4002	4860	5851	7001	
		55			2316	2935	3626	4414	5322	6377	7602	
		50		2019	2599	3237	3958	4789	5752	6874	8178	
		45	1705	2249	2839	3500	4256	5133	6155	7347	8735	
		40	1892	2438	3043	3730	4524	5452	6536	7804	9278	
		35	2041	2593	3215	3932	4769	5751	6902	8248	9813	
		30	2156	2718	3362	4113	4997	6037	7258	8687	10346	
		25	2244	2820	3490	4279	5212	6314	7610	9124		
		20	2310	2903	3603	4434	5421	6589	7963			
		15	2360	2975	3708	4584	5629	6867				
		10	2400	3040	3810	4736	5842					
SE6026GS-0	POWER INPUT (W)	65				2957	3090	3219	3344	3462		
		60				2513	2639	2764	2887	3006	3117	
		55			2135	2253	2372	2490	2607	2718	2823	
		50		1820	1926	2036	2148	2260	2369	2474	2572	
		45	1561	1654	1753	1855	1960	2064	2166	2263	2354	
		40	1431	1515	1606	1701	1798	1894	1988	2078	2161	
		35	1319	1396	1479	1565	1654	1742	1829	1910	1985	
		30	1219	1287	1361	1440	1520	1600	1678	1751	1818	
		25	1121	1180	1246	1315	1387	1458	1528	1593		
		20	1017	1067	1124	1184	1247	1310	1370			
		15	899	940	987	1038	1091	1145				
		10	758	789	827	868	912					
SE6030GS-0	COOLING CAPACITY (W)	65				3229	4041	4964	6025	7253		
		60				2949	3706	4558	5534	6663	7973	
		55			2637	3343	4130	5026	6061	7262	8657	
		50		2299	2959	3686	4508	5453	6551	7828	9313	
		45	1942	2561	3233	3985	4847	5845	7009	8367	9948	
		40	2155	2777	3465	4247	5152	6208	7444	8887	10566	
		35	2324	2953	3661	4478	5431	6549	7861	9393	11176	
		30	2456	3095	3829	4684	5690	6875	8266	9892	11783	
		25	2556	3211	3974	4873	5935	7190	8666	10391		
		20	2631	3306	4103	5049	6173	7503	9068			
		15	2688	3388	4223	5221	6410	7820				
		10	2733	3462	4339	5393	6653					
SE6036GS-0	POWER INPUT (W)	65				3279	3426	3569	3708	3839		
		60				2786	2926	3065	3202	3333	3456	
		55			2368	2498	2630	2762	2890	3014	3131	
		50		2018	2136	2258	2382	2506	2627	2743	2851	
		45	1731	1834	1943	2057	2173	2289	2401	2509	2610	
		40	1586	1680	1781	1886	1993	2100	2205	2304	2396	
		35	1463	1548	1640	1736	1834	1932	2028	2118	2202	
		30	1352	1427	1509	1596	1685	1774	1860	1942	2016	
		25	1243	1309	1381	1459	1538	1617	1694	1766		

## R449A - MBP 3~ (Testing Voltage 380V/50Hz)

... FOLLOW

MODEL	PARAMETER	CONDENSING TEMP. °C	EVAPORATING TEMPERATURE °C°										
			-30	-25	-20	-15	-10	-5	0	5	10		
SE6043GS-0	COOLING CAPACITY (W)	65					6738	8433	10358	12573	15136		
		60					6154	7733	9511	11549	13904	16638	
		55		5503	6976	8618	10489	12648	15154	18066			
		50	4798	6175	7692	9407	11380	13670	16335	19435			
		45	4052	5345	6747	8317	10114	12198	14627	17461	20758		
		40	4497	5795	7231	8863	10752	12956	15534	18545	22049		
		35	4850	6162	7641	9345	11334	13667	16403	19602	23321		
		30	5124	6460	7990	9775	11874	14346	17249	20643	24588		
		25	5333	6701	8293	10168	12386	15005	18085	21684			
		20	5491	6900	8562	10537	12882	15658	18923				
	POWER INPUT (W)	15	5609	7070	8812	10894	13377	16319					
		10	5704	7224	9054	11255	13884						
		65					6501	6791	7076	7350	7610		
		60					5523	5800	6076	6347	6607	6852	
		55					4694	4952	5214	5475	5730	5976	6206
		50		4000	4234	4476	4722	4968	5208	5438	5653		
		45	3432	3636	3853	4078	4308	4537	4761	4975	5174		
		40	3145	3331	3531	3739	3952	4164	4371	4568	4751		
		35	2900	3069	3250	3441	3636	3830	4019	4199	4364		
		30	2680	2829	2992	3164	3341	3517	3688	3850	3997		
	POWER INPUT (W)	25	2465	2595	2739	2892	3049	3206	3358	3501			
		20	2237	2347	2470	2604	2741	2879	3011				
		15	1977	2066	2169	2282	2399	2516					
		10	1667	1735	1817	1908	2005						
		65					8165	10220	12553	15237	18344		
		60					7458	9371	11526	13996	16851	20163	
		55		6669	8454	10444	12711	15328	18365	21894			
		50	5815	7484	9322	11400	13791	16566	19796	23553			
		45	4911	6477	8176	10079	12257	14782	17726	21160	25157		
		40	5450	7023	8763	10741	13030	15701	18825	22475	26721		
	COOLING CAPACITY (W)	35	5878	7468	9260	11325	13736	16563	19879	23755	28262		
		30	6210	7828	9683	11847	14390	17385	20904	25017	29797		
		25	6463	8121	10050	12323	15010	18184	21916	26278			
		20	6654	8362	10376	12769	15612	18976	22933				
		15	6798	8568	10679	13203	16211	19776					
		10	6912	8754	10973	13639	16825						
		65					7879	8230	8575	8908	9222		
		60					6694	7029	7364	7692	8007	8304	
		55		5688	6001	6318	6635	6944	7242	7521			
		50	4848	5131	5425	5723	6020	6311	6590	6851			
		45	4159	4406	4669	4942	5221	5498	5769	6029	6270		
		40	3811	4037	4279	4532	4789	5046	5297	5536	5757		
		35	3515	3719	3939	4170	4406	4642	4871	5089	5289		
		30	3247	3429	3626	3835	4049	4262	4470	4665	4844		
		25	2987	3145	3319	3504	3695	3885	4070	4243			
		20	2710	2844	2994	3155	3322	3489	3650				
		15	2396	2504	2629	2766	2908	3050					
		10	2020	2103	2202	2313	2429						
	COOLING CAPACITY (W)	65					8601	10765	13223	16050	19322		
		60					7856	9871	12141	14742	17749	21239	
		55		7025	8905	11001	13389	16145	19344	23062			
		50	6125	7883	9819	12009	14527	17450	20852	24810			
		45	5172	6823	8612	10617	12911	15571	18672	22289	26499		
		40	5741	7397	9230	11314	13725	16538	19829	23674	28147		
		35	6191	7866	9754	11929	14468	17447	20939	25022	29770		
		30	6541	8246	10200	12479	15158	18313	22019	26352	31387		
		25	6808	8554	10586	12980	15811	19154	23086	27680			
		20	7009	8808	10930	13450	16445	19988	24156				
		15	7161	9025	11248	13907	17076	20832					
		10	7281	9221	11558	14367	17223						
	POWER INPUT (W)	65					8299	8670	9033	9383	9714		
		60					7051	7404	7757	8102	8434	8747	
		55		5992	6321	6655	6989	7315	7628	7922			
		50	5107	5405	5714	6028	6341	6648	6941	7216			
		45	4381	4641	4918	5206	5499	5792	6077	6350	6605		
		40	4014	4252	4507	4773	5045	5315	5580	5831			

## R449A - LBP 1~ (Testing Voltage 220V/50Hz)

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)								
			-40	-35	-30	-25	-20	-15	-10	-5	0
SE2006GK-C	COOLING CAPACITY (W)	60			1375	1688	2070	2531	3083	3734	
		55	812	994	1217	1490	1825	2231	2718	3296	3977
		50	860	1062	1305	1601	1960	2392	2906	3514	4225
		45	898	1121	1387	1708	2093	2552	3096	3735	4479
		40	925	1171	1462	1809	2222	2711	3287	3959	4737
		35	940	1211	1529	1904	2348	2869	3478	4185	5000
		30	943	1241	1588	1994	2469	3024	3669	4413	5267
		25	932	1259	1637	2076	2586	3176	3858	4642	5537
	POWER INPUT (W)	60			1880	1952	2029	2110	2193	2276	
		55	1482	1529	1587	1652	1724	1801	1880	1960	2039
		50	1294	1344	1402	1467	1538	1613	1689	1765	1839
		45	1144	1195	1253	1318	1387	1458	1530	1601	1669
		40	1025	1076	1133	1196	1262	1330	1397	1462	1523
		35	930	979	1035	1095	1157	1220	1281	1340	1393
		30	850	898	951	1007	1065	1122	1176	1227	1271
		25	779	825	874	925	977	1027	1074	1116	1151
SE2008GK-C	COOLING CAPACITY (W)	60			1756	2155	2643	3232	3936	4768	
		55	1037	1269	1553	1903	2330	2848	3470	4209	5078
		50	1099	1355	1666	2045	2503	3054	3711	4487	5395
		45	1147	1431	1771	2181	2672	3259	3954	4769	5719
		40	1181	1495	1867	2310	2837	3462	4197	5055	6049
		35	1200	1546	1952	2432	2998	3663	4441	5344	6385
		30	1204	1584	2027	2546	3153	3861	4684	5635	6725
		25	1190	1608	2091	2651	3302	4056	4927	5927	7070
	POWER INPUT (W)	60			2410	2502	2601	2705	2812	2919	
		55	1900	1961	2034	2118	2210	2308	2410	2512	2614
		50	1659	1722	1797	1881	1972	2068	2165	2262	2357
		45	1467	1532	1607	1689	1778	1869	1962	2053	2140
		40	1315	1379	1453	1533	1618	1705	1791	1874	1953
		35	1192	1256	1327	1404	1484	1564	1643	1718	1786
		30	1090	1151	1219	1291	1365	1438	1508	1573	1630
		25	999	1057	1120	1186	1253	1317	1377	1431	1476
SE2010GK-C	COOLING CAPACITY (W)	60			2063	2531	3104	3797	4624	5601	
		55	1218	1491	1825	2235	2737	3346	4077	4945	5965
		50	1291	1592	1958	2402	2940	3587	4359	5271	6338
		45	1347	1681	2081	2561	3139	3828	4644	5603	6718
		40	1387	1756	2193	2713	3333	4067	4930	5938	7106
		35	1410	1816	2293	2857	3522	4303	5217	6277	7501
		30	1414	1861	2381	2991	3704	4536	5503	6619	7900
		25	1398	1889	2456	3114	3878	4764	5787	6962	8305
	POWER INPUT (W)	60			2811	2919	3035	3156	3281	3405	
		55	2217	2287	2373	2471	2579	2693	2811	2931	3049
		50	1936	2010	2097	2195	2301	2412	2526	2640	2750
		45	1712	1787	1874	1971	2074	2181	2289	2395	2497
		40	1534	1609	1695	1789	1888	1989	2089	2187	2279
		35	1391	1465	1548	1638	1731	1825	1917	2004	2084
		30	1272	1343	1422	1506	1592	1677	1759	1835	1902
		25	1166	1233	1307	1384	1461	1536	1607	1669	1722

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)								
			-40	-35	-30	-25	-20	-15	-10	-5	0
SE2012GK-C	COOLING CAPACITY (W)	60				2675	3282	4025	4923	5996	7263
		55	1579	1933	2366	2898	3549	4339	5286	6412	7735
		50	1673	2065	2538	3114	3812	4652	5653	6835	8218
		45	1747	2180	2698	3321	4070	4964	6022	7265	8712
		40	1799	2277	2843	3519	4322	5274	6393	7700	9215
		35	1828	2355	2974	3704	4567	5580	6765	8140	9726
		30	1833	2413	3088	3878	4803	5882	7135	8583	10244
		25	1813	2450	3185	4038	5029	6178	7504	9028	10769
	POWER INPUT (W)	60				3639	3778	3928	4085	4246	4407
		55	2869	2961	3072	3199	3338	3486	3639	3794	3947
		50	2505	2601	2714	2841	2978	3122	3269	3416	3560
		45	2215	2313	2426	2551	2685	2823			

## R449A - LBP 3~ (Testing Voltage 380V/50Hz)

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)									
			-40	-35	-30	-25	-20	-15	-10	-5	0	
SE2006GS-0	COOLING CAPACITY (W)	60	1264	1194	1217	1490	1825	2231	2718	3296	3977	
		55	812	994	1217	1490	1825	2231	2718	3296	3977	
		50	860	1062	1305	1601	1960	2392	2906	3514	4225	
		45	898	1121	1387	1708	2093	2552	3096	3735	4479	
		40	925	1171	1462	1809	2222	2711	3287	3959	4737	
	POWER INPUT (W)	35	940	1211	1529	1904	2348	2869	3478	4185	5000	
		30	943	1241	1588	1994	2469	3024	3669	4413	5267	
		25	932	1259	1637	2076	2586	3176	3858	4642	5537	
		60	1864	1935	2012	2092	2175	2257				
		55	1469	1516	1573	1638	1709	1785	1864	1943	2021	
SE2008GS-0	COOLING CAPACITY (W)	50	1283	1332	1390	1455	1525	1599	1674	1750	1823	
		45	1135	1185	1243	1307	1375	1446	1517	1588	1655	
		40	1017	1067	1124	1186	1251	1318	1385	1450	1510	
		35	922	971	1026	1086	1147	1209	1270	1328	1381	
		30	843	890	943	999	1055	1112	1166	1216	1261	
	POWER INPUT (W)	25	773	818	866	917	969	1018	1065	1107	1141	
		60	1756	2155	2643	3232	3936	4768				
		55	1037	1269	1553	1903	2330	2848	3470	4209	5078	
		50	1099	1355	1666	2045	2503	3054	3711	4487	5395	
		45	1147	1431	1771	2181	2672	3259	3954	4769	5719	
SE2010GS-0	COOLING CAPACITY (W)	40	1181	1495	1867	2310	2837	3462	4197	5055	6049	
		35	1200	1546	1952	2432	2998	3663	4441	5344	6385	
		30	1204	1584	2027	2546	3153	3861	4684	5635	6725	
		25	1190	1608	2091	2651	3302	4056	4927	5927	7070	
		60	2362	2452	2549	2651	2756	2860				
	POWER INPUT (W)	55	1862	1921	1994	2076	2166	2262	2362	2462	2561	
		50	1626	1688	1761	1844	1933	2026	2122	2217	2310	
		45	1438	1501	1575	1656	1742	1832	1923	2012	2098	
		40	1288	1352	1424	1503	1586	1671	1755	1837	1914	
		35	1168	1231	1301	1376	1454	1533	1610	1683	1750	
SE2012GS-0	COOLING CAPACITY (W)	30	1068	1128	1195	1265	1338	1409	1478	1541	1598	
		25	979	1036	1098	1162	1227	1291	1350	1402	1446	
		60	2063	2531	3104	3797	4624	5601				
		55	1218	1491	1825	2235	2737	3346	4077	4945	5965	
		50	1291	1592	1958	2402	2940	3587	4359	5271	6338	
	POWER INPUT (W)	45	1347	1681	2081	2561	3139	3828	4644	5603	6718	
		40	1387	1756	2193	2713	3333	4067	4930	5938	7106	
		35	1410	1816	2293	2857	3522	4303	5217	6277	7501	
		30	1414	1861	2381	2991	3704	4536	5503	6619	7900	
		25	1398	1889	2456	3114	3878	4764	5787	6962	8305	
SE2014GS-0	COOLING CAPACITY (W)	60	2747	2852	2965	3084	3206	3327				
		55	2166	2235	2319	2415	2520	2632	2747	2864	2980	
		50	1891	1964	2049	2145	2248	2357	2468	2579	2688	
		45	1673	1746	1832	1926	2027	2131	2237	2340	2440	
		40	1499	1572	1657	1748	1845	1943	2042	2137	2226	
	POWER INPUT (W)	35	1359	1431	1513	1600	1691	1783	1873	1958	2036	
		30	1242	1313	1390	1472	1556	1639	1719	1793	1858	
		25	1139	1205	1277	1352	1428	1501	1570	1631	1682	
		60	2675	3282	4025	4923	5996	7263				
		55	1579	1933	2366	2898	3549	4339	5286	6412	7735	
SE2017GS-0	COOLING CAPACITY (W)	50	1673	2065	2538	3114	3812	4652	5653	6835	8218	
		45	1747	2180	2698	3321	4070	4964	6022	7265	8712	
		40	1799	2277	2843	3519	4322	5274	6393	7700	9215	
		35	1828	2355	2974	3704	4567	5580	6765	8140	9726	
		30	1833	2413	3088	3878	4803	5882	7135	8583	10244	
	POWER INPUT (W)	25	1813	2450	3185	4038	5029	6178	7504	9028	10769	
		60	3563	3700	3847	4000	4158	4316				
		55	2809	2899	3008	3132	3269	3413	3563	3715	3865	
		50	2453	2547	2658	2782	2916	3057	3201	3346	3486	
		45	2169	2265	2376	2498	2629	2764	2901	3036	3165	
SE2020GS-0	COOLING CAPACITY (W)	40	1944	2040	2149	2267	2393	2521	2648	2772	2888	
		35	1762	1857	1962	2076	2194					

## R452A - MBP 1~ (Testing Voltage 220V/50Hz)

MODEL	PARAMETER	CONDENSING TEMPERATURE °C	EVAPORATING TEMPERATURE °C°									
			-30	-25	-20	-15	-10	-5	0	5	10	
SE6015GK-C	COOLING CAPACITY (W)	65			1800	2301	2862	3497	4222	5052		
		60		1187	1630	2113	2652	3262	3958	4754	5667	
		55	1008	1430	1888	2399	2976	3636	4393	5263	6260	
		50	1220	1647	2122	2661	3278	3988	4808	5751	6833	
		45	1409	1842	2335	2903	3560	4322	5205	6222	7390	
		40	1579	2020	2531	3128	3827	4642	5588	6681	7936	
		35	1734	2183	2713	3341	4082	4950	5962	7131	8474	
		30	1878	2335	2886	3546	4329	5252	6329	7576	9007	
		25	2013	2480	3052	3745	4573	5551	6695	8019		
		20	2145	2623	3217	3943	4815	5850	7062			
		15	2276	2765	3383	4143	5062	6153				
		10	2411	2913	3554	4350	5315					
		65			2525	2650	2777	2903	3023	3134		
		60		2083	2192	2308	2429	2551	2670	2783	2886	
SE6018GK-C	POWER INPUT (W)	55	1804	1898	2004	2116	2232	2347	2460	2565	2659	
		50	1645	1737	1838	1945	2055	2164	2268	2364	2449	
		45	1507	1594	1691	1792	1895	1996	2092	2179	2253	
		40	1387	1469	1559	1654	1749	1842	1928	2004	2067	
		35	1280	1356	1440	1527	1614	1697	1773	1839	1890	
		30	1184	1254	1330	1409	1487	1560	1625	1678	1716	
		25	1096	1158	1226	1296	1363	1426	1479	1519		
		20	1012	1066	1125	1185	1241	1292	1332			
		15	929	974	1023	1072	1117	1155				
		10	844	880	918	955	988					
		65			2148	2747	3417	4175	5041	6031		
		60		1417	1946	2523	3166	3894	4725	5676	6766	
		55	1203	1707	2254	2864	3553	4341	5245	6283	7473	
SE6021GK-C	COOLING CAPACITY (W)	50	1456	1966	2534	3177	3913	4761	5739	6865	8157	
		45	1682	2200	2788	3465	4250	5160	6213	7428	8822	
		40	1886	2411	3022	3735	4569	5541	6671	7976	9474	
		35	2070	2606	3239	3989	4873	5910	7117	8513	10116	
		30	2241	2787	3445	4233	5168	6270	7556	9044	10753	
		25	2403	2961	3644	4471	5459	6627	7992	9574		
		20	2560	3131	3840	4707	5749	6984	8430			
		15	2717	3301	4038	4946	6043	7346				
		10	2878	3477	4243	5193	6345					
		65			2946	3092	3240	3386	3526	3656		
		60		2430	2557	2693	2834	2976	3115	3247	3367	
		55	2104	2215	2337	2468	2604	2739	2870	2992	3102	
		50	1919	2026	2144	2269	2397	2524	2646	2758	2857	
		45	1758	1860	1972	2091	2211	2329	2440	2542	2628	
		40	1618	1714	1819	1929	2041	2149	2249	2339	2412	
		35	1493	1582	1680	1782	1883	1980	2069	2145	2205	
		30	1381	1463	1552	1644	1734	1820	1896	1958	2002	
		25	1278	1351	1431	1512	1591	1663	1725	1772		
		20	1180	1244	1313	1382	1448	1507	1554			
		15	1084	1137	1194	1251	1303	1348				
		10	985	1026	1071	1114	1152					
SE6026GK-C	POWER INPUT (W)	65			2447	3128	3891	4755	5740	6868		
		60		1614	2216	2873	3606	4435	5381	6464	7705	
		55	1370	1944	2567	3261	4047	4943	5973	7155	8510	
		50	1659	2239	2885	3618	4456	5422	6536	7818	9289	
		45	1916	2505	3175	3946	4840	5876	7076	8459	10047	
		40	2147	2746	3441	4253	5203	6311	7597	9083	10789	
		35	2358	2967	3689	4543	5550	6730	8105	9695	11520	
		30	2553	3174	3923	4820	5886	7141	8605	10300	12246	
		25	2737	3372	4150	5091	6217	7547	9102	10903		
		20	2916	3565	4373	5360	6547	7953	9601			
		15	3094	3760	4599	5633	6881	8366				
		10	3278	3960	4832	5914	7226					
		65			3280	3443	3608	3771	3926	4071		
		60		2706	2847	2998	3155	3314	3468	3615	3749	
		55	2343	2466	2603	2748	2899	3049	3195	3331	3454	
		50	2137	2256	2387	2526	2669	2810	2946	3071	3181	
		45	1958	2071	2196	2328	2461	2593	2717	2830	2926	
		40	1801	1								

## R452A - MBP 3~ (Testing Voltage 380V/50Hz)

MODEL	PARAMETER	CONDENSING TEMP. °C	EVAPORATING TEMPERATURE °C°									
			-30	-25	-20	-15	-10	-5	0	5	10	
SE6015GS-0	COOLING CAPACITY (W)	65			1800	2301	2862	3497	4222	5052		
		60		1187	1630	2113	2652	3262	3958	4754	5667	
		55	1008	1430	1888	2399	2976	3636	4393	5263	6260	
		50	1220	1647	2122	2661	3278	3988	4808	5751	6833	
		45	1409	1842	2335	2903	3560	4322	5205	6222	7390	
		40	1579	2020	2531	3128	3827	4642	5588	6681	7936	
		35	1734	2183	2713	3341	4082	4950	5962	7131	8474	
		30	1878	2335	2886	3546	4329	5252	6329	7576	9007	
		25	2013	2480	3052	3745	4573	5551	6695	8019		
		20	2145	2623	3217	3943	4815	5850	7062			
		15	2276	2765	3383	4143	5062	6153				
		10	2411	2913	3554	4350	5315					
					2481	2604	2729	2853	2971	3080		
SE6018GS-0	POWER INPUT (W)	65			2148	2747	3417	4175	5041	6031		
		60		1417	1946	2523	3166	3894	4725	5676	6766	
		55	1203	1707	2254	2864	3553	4341	5245	6283	7473	
		50	1456	1966	2534	3177	3913	4761	5739	6865	8157	
		45	1682	2200	2788	3465	4250	5160	6213	7428	8822	
		40	1886	2411	3022	3735	4569	5541	6671	7976	9474	
		35	2070	2606	3239	3989	4873	5910	7117	8513	10116	
		30	2241	2787	3445	4233	5168	6270	7556	9044	10753	
		25	2403	2961	3644	4471	5459	6627	7992	9574		
		20	2560	3131	3840	4707	5749	6984	8430			
		15	2717	3301	4038	4946	6043	7346				
		10	2878	3477	4243	5193	6345					
					2802	2941	3082	3221	3355	3478		
SE6021GS-0	POWER INPUT (W)	65			2802	2941	3082	3221	3355	3478		
		60		2312	2432	2562	2696	2831	2963	3089	3203	
		55	2002	2107	2224	2348	2477	2605	2730	2846	2951	
		50	1826	1927	2039	2158	2280	2401	2517	2624	2718	
		45	1673	1770	1876	1989	2103	2215	2321	2418	2500	
		40	1539	1630	1730	1835	1941	2044	2140	2225	2295	
		35	1420	1505	1598	1695	1791	1884	1968	2041	2097	
		30	1314	1392	1476	1564	1650	1731	1803	1862	1905	
		25	1216	1286	1361	1438	1513	1582	1641	1686		
		20	1123	1183	1249	1315	1378	1434	1478			
		15	1031	1081	1136	1190	1240	1282				
		10	937	976	1019	1060	1096					
					2447	3128	3891	4755	5740	6868		
SE6026GS-0	COOLING CAPACITY (W)	65			3107	3261	3418	3572	3720	3856		
		60		2563	2697	2840	2989	3139	3286	3425	3552	
		55	2220	2336	2466	2604	2746	2889	3027	3156	3272	
		50	2025	2137	2261	2393	2529	2662	2791	2909	3014	
		45	1855	1962	2080	2205	2332	2456	2574	2681	2772	
		40	1706	1808	1919	2035	2152	2266	2373	2467	2544	
		35	1575	1669	1772	1879	1986	2089	2182	2263	2325	
		30	1457	1543	1637	1734	1829	1919	1999	2065	2112	
		25	1348	1425	1509	1595	1678	1754	1820	1870		
		20	1245	1312	1385	1458	1528	1590	1639			
		15	1143	1199	1259	1319	1375	1421				
		10	1039	1083	1130	1175	1216					
SE6030GS-0	POWER INPUT (W)	65			3107	3261	3418	3572	3720	3856		
		60		2307	2792	3236	4110	5100	6230	7528	9017	10726
		55	1727	2450	3236	4110	5100	6230	7528	9017	10726	
		50	2090	2822	3637	4559	5616	6834	8238	9854	11708	
		45	2415	3157	4001	4974	6100	7406	8918	10662	12663	
		40	2706	3461	4337	5360	6557	7954	9575	11448	13598	
		35	2972	3740	4649	5725	6995	8483	10215	12219	14519	
		30	3217	4001	4945	6075	7418	9000	10845	12981	15434	
		25	3449	4250	5230	6417	7835	9511	11471	13741		
		20	3675	4494	5512	6756	8251	10024	12100			
		15	3900	4739	5796	7099	8673	10544				
		10	4131	4991	6090	7453	9107					
SE6036GS-0	COOLING CAPACITY (W)	65			3282	4123	4320	4515	4702	4875		
		60		3240	3409	3590	3779	3968	415			

## R452A - MBP 3~ (Testing Voltage 380V/50Hz)

... FOLLOW

MODEL	PARAMETER	CONDENSING TEMP. °C	EVAPORATING TEMPERATURE °C°									
			-30	-25	-20	-15	-10	-5	0	5	10	
SE6043GS-0	COOLING CAPACITY (W)	65										
		60	3367	4624	5106	6528	8119	9922	11979	14333		
		55	2860	4057	5358	6806	8444	10316	12464	14930	17759	
		50	3461	4673	6021	7549	9299	11315	13639	16315	19385	
		45	3998	5227	6625	8235	10100	12263	14766	17653	20966	
		40	4481	5730	7181	8875	10857	13169	15854	18955	22515	
		35	4920	6192	7698	9480	11581	14045	16914	20232	24040	
		30	5327	6624	8187	10059	12823	14901	17957	21494	25554	
		25	5711	7037	8660	10624	12973	15748	18994	22752		
		20	6085	7440	9126	11186	13662	16597	20034			
	POWER INPUT (W)	15	6457	7846	9597	11754	14360	17458				
		10	6840	8264	10083	12341	15079					
		65										
		60	5082	5346	5631	5926	6223	6514	6790	7041		
		55	4400	4631	4888	5162	5444	5727	6001	6257	6487	
		50	4014	4237	4483	4745	5013	5278	5533	5768	5974	
		45	3677	3890	4124	4371	4623	4870	5103	5315	5496	
		40	3383	3583	3804	4034	4267	4493	4704	4890	5044	
		35	3122	3309	3513	3726	3938	4141	4326	4486	4610	
		30	2888	3059	3245	3437	3627	3805	3964	4094	4187	
		25	2673	2826	2992	3161	3326	3478	3608	3706		
		20	2468	2601	2745	2890	3029	3151	3250			
		15	2266	2377	2497	2616	2726	2818				
		10	2059	2146	2240	2330	2410					
SE6053GS-0	COOLING CAPACITY (W)	65										
		60	4081	5603	7265	9118	11215	13607	16346	19485		
		55	3466	4916	6493	8248	10234	12502	15104	18094	21522	
		50	4195	5663	7297	9149	11270	13713	16529	19772	23492	
		45	4845	6335	8029	9980	12240	14861	17895	21393	25409	
		40	5430	6944	8702	10756	13158	15959	19213	22971	27285	
		35	5963	7504	9329	11488	14035	17021	20498	24518	29134	
		30	6456	8028	9922	12190	14885	18058	21762	26048	30968	
		25	6922	8527	10495	12875	15721	19085	23018	27573		
		20	7374	9017	11060	13556	16556	20113	24279			
	POWER INPUT (W)	15	7825	9508	11631	14245	17403	21157				
		10	8289	10015	12220	14955	18274					
		65										
		60	6158	6479	6824	7182	7542	7894	8228	8533		
		55	5333	5612	5924	6256	6598	6940	7272	7582	7861	
		50	4864	5134	5433	5750	6075	6397	6705	6990	7240	
		45	4456	4714	4998	5298	5602	5901	6184	6441	6661	
		40	4099	4343	4610	4889	5171	5445	5700	5926	6113	
		35	3784	4010	4258	4515	4772	5018	5243	5436	5587	
		30	3500	3707	3933	4165	4395	4611	4804	4961	5074	
SE6056GS-0	COOLING CAPACITY (W)	25	3239	3425	3625	3831	4031	4215	4372	4492		
		20	2991	3152	3326	3502	3670	3819	3939			
		15	2746	2881	3026	3170	3303	3415				
		10	2495	2601	2714	2824	2920					
	POWER INPUT (W)	65										
		60	6518	8334	10365	12666	15291	18296				
		55	4298	5902	7653	9605	11813	14333	17219	20525		
		50	3651	5178	6839	8688	10779	13169	15910	19059	22670	
		45	4418	5965	7668	9637	11871	14444	17411	20827	24745	
		40	5104	6673	8458	10513	12893	15654	18849	22535	26764	
		35	5720	7315	9166	11330	13860	16811	20238	24197	28741	
		30	6800	8456	10451	12841	15679	19022	22923	27437	32620	
		25	7291	8982	11055	13562	16560	20103	24246	29044		
		20	7767	9498	11650	14279	17439	21186				
SE6067GS-0	COOLING CAPACITY (W)	15	8243	10016	12251	15005	18331	22285				
		10	8731	10549	12872	15753	19249					
		65										
		60	6487	7252	7868	7565	7944	8316	8667	8988		
		55	5617	5912	6240	6589	6950	7311	7660	7987	8281	
		50	5124	5408	5723	6057	6399	6738	7063	7363	7627	
		45	4694	4966	5265	5580	5901	6216	6514	6785	7016	

## R452A - LBP 1~ (Testing Voltage 220V/50Hz)

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)									
			-40	-35	-30	-25	-20	-15	-10	-5	0	
SE2006GK-C	COOLING CAPACITY (W)	60				1337	1624	1978	2409	2926	3539	
		55	819	995	1212	1480	1809	2207	2686	3254	3922	
		50	873	1075	1321	1621	1985		2945	3560	4278	
		45	936	1158	1428	1756	2151	2624	3184	3841	4605	
		40	1003	1241	1531	1881	2303	2806	3399	4093	4897	
		35	1073	1322	1626	1994	2438	2965	3587	4313	5153	
		30	1141	1396	1710	2091	2551	3099	3745	4498	5368	
		25	1205	1461	1779	2169	2641	3204	3868	4644	5540	
	POWER INPUT (W)	60				1874	1953	2036	2123	2213	2303	
		55	1481	1541	1609	1683	1762	1844	1930	2016	2104	
		50	1321	1383	1450	1523	1601	1681	1763	1846	1929	
		45	1191	1251	1318	1389	1463	1540	1618	1696	1773	
		40	1082	1141	1205	1273	1343	1415	1487	1559	1629	
		35	990	1046	1106	1169	1234	1299	1365	1429	1490	
		30	908	959	1014	1071	1129	1188	1245	1300	1352	
		25	829	874	923	973	1023	1073	1121	1166	1207	
SE2008GK-C	COOLING CAPACITY (W)	60				1707	2074	2526	3076	3736	4519	
		55	1046	1271	1548	1890	2309	2818	3429	4155	5008	
		50	1115	1372	1687	2070	2535	3095	3761	4546	5463	
		45	1195	1478	1823	2242	2747	3351	4066	4905	5880	
		40	1281	1585	1955	2402	2941	3583	4341	5227	6253	
		35	1370	1688	2076	2547	3113	3787	4581	5508	6580	
		30	1458	1783	2183	2670	3258	3957	4782	5743	6854	
		25	1539	1865	2272	2770	3372	4091	4939	5929	7074	
	POWER INPUT (W)	60				2402	2503	2611	2722	2837	2953	
		55	1898	1976	2063	2157	2259	2364	2474	2585	2697	
		50	1694	1773	1859	1953	2052	2155	2260	2367	2473	
		45	1527	1604	1689	1780	1876	1974	2074	2174	2273	
		40	1388	1463	1545	1631	1722	1814	1907	1998	2088	
		35	1270	1341	1418	1498	1582	1666	1750	1832	1911	
		30	1164	1230	1300	1373	1448	1523	1596	1667	1733	
		25	1063	1121	1183	1247	1312	1376	1437	1495	1547	
SE2010GK-C	COOLING CAPACITY (W)	60				2005	2436	2968	3614	4389	5308	
		55	1229	1493	1819	2220	2713	3311	4029	4881	5883	
		50	1310	1612	1981	2432	2978	3635	4418	5340	6418	
		45	1403	1737	2142	2634	3227	3936	4776	5762	6907	
		40	1505	1862	2296	2822	3455	4209	5099	6140	7346	
		35	1610	1983	2438	2992	3656	4448	5381	6470	7729	
		30	1712	2094	2564	3137	3827	4649	5617	6747	8052	
		25	1808	2191	2668	3253	3961	4806	5802	6965	8310	
	POWER INPUT (W)	60				2802	2921	3046	3176	3310	3445	
		55	2215	2305	2407	2517	2635	2759	2886	3016	3147	
		50	1976	2068	2169	2278	2394	2514	2637	2761	2885	
		45	1781	1872	1971	2077	2188	2303	2420	2536	2651	
		40	1619	1707	1802	1903	2009	2116	2224	2331	2436	
		35	1481	1564	1654	1748	1845	1944	2042	2137	2229	
		30	1358	1434	1516	1602	1689	1776	1862	1945	2022	
		25	1240	1308	1380	1455	1530	1605	1677	1744	1805	

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)											
			-40	-35	-30	-25	-20	-15	-10	-5	0			
SE2012GK-C	COOLING CAPACITY (W)	60							2600	3159	3848	4686	5691	6883
		55	1594	1936	2358	2879	3518	4293	5224	6329	7629			
		50	1698	2090	2569	3153	3862	4714	5729	6925	8322			
		45	1820	2252	2777	3415	4185	5104	6194	7471	8956			
		40	1952	2414	2977	3659	4480	5458	6612	7961	9525			
		35	2087	2571	3162	3879	4741	5768	6977	8389	10022			
		30	2220	2716	3325	4068	4962	6028	7284	8748	10441			
		25	2344	2842	3460	4219	5136	6231	7524	9032	10775			
	POWER INPUT (W)	60				</								

## R452A - LBP 3~ (Testing Voltage 380V/50Hz)

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)								
			-40	-35	-30	-25	-20	-15	-10	-5	0
SE2006GS-0	COOLING CAPACITY (W)	60	1337	1624	1978	2409	2926	3539			
		55	819	995	1212	1480	1809	2207	2686	3254	3922
		50	873	1075	1321	1621	1985	2424	2945	3560	4278
		45	936	1158	1428	1756	2151	2624	3184	3841	4605
		40	1003	1241	1531	1881	2303	2806	3399	4093	4897
	POWER INPUT (W)	35	1073	1322	1626	1994	2438	2965	3587	4313	5153
		30	1141	1396	1710	2091	2551	3099	3745	4498	5368
		25	1205	1461	1779	2169	2641	3204	3868	4644	5540
		20									
		15									
SE2008GS-0	COOLING CAPACITY (W)	60	1858	1936	2019	2105	2194	2284			
		55	1468	1528	1595	1668	1747	1829	1913	1999	2086
		50	1310	1371	1438	1510	1587	1666	1748	1830	1912
		45	1181	1241	1306	1377	1451	1527	1604	1681	1757
		40	1073	1131	1195	1262	1331	1403	1474	1545	1615
	POWER INPUT (W)	35	982	1037	1096	1159	1223	1288	1353	1417	1478
		30	900	951	1005	1062	1120	1177	1234	1289	1340
		25	822	867	915	964	1014	1064	1111	1156	1196
		20									
		15									
SE2010GS-0	COOLING CAPACITY (W)	60	1707	2074	2526	3076	3736	4519			
		55	1046	1271	1548	1890	2309	2818	3429	4155	5008
		50	1115	1372	1687	2070	2535	3095	3761	4546	5463
		45	1195	1478	1823	2242	2747	3351	4066	4905	5880
		40	1281	1585	1955	2402	2941	3583	4341	5227	6253
	POWER INPUT (W)	35	1370	1688	2076	2547	3113	3787	4581	5508	6580
		30	1458	1783	2183	2670	3258	3957	4782	5743	6854
		25	1539	1865	2272	2770	3372	4091	4939	5929	7074
		20									
		15									
SE2012GS-0	COOLING CAPACITY (W)	60	2354	2453	2558	2668	2780	2894			
		55	1860	1936	2022	2114	2213	2317	2424	2534	2643
		50	1660	1737	1822	1914	2011	2112	2215	2320	2424
		45	1496	1572	1656	1745	1838	1935	2033	2131	2227
		40	1360	1434	1514	1599	1687	1778	1868	1958	2046
	POWER INPUT (W)	35	1244	1314	1389	1468	1550	1633	1715	1795	1873
		30	1141	1205	1274	1346	1419	1492	1564	1634	1699
		25	1041	1099	1159	1222	1286	1348	1408	1465	1516
		20									
		15									
SE2014GS-0	COOLING CAPACITY (W)	60	2005	2436	2968	3614	4389	5303			
		55	1229	1493	1819	2220	2713	3311	4029	4881	5883
		50	1310	1612	1981	2432	2978	3635	4418	5340	6418
		45	1403	1737	2142	2634	3227	3936	4776	5762	6907
		40	1505	1862	2296	2822	3455	4209	5099	6140	7346
	POWER INPUT (W)	35	1610	1983	2438	2992	3656	4448	5381	6470	7729
		30	1712	2094	2564	3137	3827	4649	5617	6747	8052
		25	1808	2191	2668	3253	3961	4806	5802	6965	8310
		20									
		15									
SE2017GS-0	COOLING CAPACITY (W)	60	2600	3159	3848	4686	5691	6883			
		55	1594	1936	2358	2879	3518	4293	5224	6329	7629
		50	1698	2090	2569	3153	3862	4714	5729	6925	8322
		45	1820	2252	2777	3415	4185	5104	6194	7471	8956
		40	1952	2414	2977	3659	4480	5458	6612	7961	9525
	POWER INPUT (W)	35	2087	2571	3162	3879	4741	5768	6977	8389	10022
		30	2220	2716	3325	4068	4962	6028	7284	8748	10441
		25	2344	2842	3460	4219	5136	6231	7524	9032	10775
		20									
		15									
SE2019GS-0	COOLING CAPACITY (W)	60	3552	3702	3860	4026	4195	4367			
		55	2807	2922	3050	3190	3340	3496	3658	3823	3988
		50	2505	2621	2749	2888	3034	3187	3342	3500	3657
		45	2257	2372	2498	2633	2774	2919	3067	3215	3360
		40	2052	2163	2284	2412	2546	2682	2819	2955	3087
	POWER INPUT (W)	35	1877	1983	2096	2216	2339	2464	2588	2709	2826
		30	1721	1818	1922	2030	2141	2251	2360	2465	2563
		25	1571	1658	1749	1844	1940	2034	2125	2210	2288
		20									
		15		</							

## R404A - MBP 1~ (Testing Voltage 220V/50Hz)

MODEL	PARAMETER	CONDENSING TEMP. °C	EVAPORATING TEMPERATURE °C°									
			-30	-25	-20	-15	-10	-5	0	5	10	
SE6015GK-C	COOLING CAPACITY (W)	65			1907	2311	2770	3300	3916	4635		
		60		1464	1838	2246	2705	3230	3836	4540	5358	
		55	1315	1691	2097	2549	3062	3652	4335	5126	6043	
		50	1491	1888	2326	2821	3388	4043	4802	5682	6697	
		45	1643	2061	2531	3068	3689	4410	5246	6213	7328	
		40	1778	2216	2718	3298	3973	4759	5672	6727	7940	
		35	1901	2360	2894	3517	4246	5098	6086	7229	8541	
		30	2021	2500	3065	3731	4515	5431	6497	7727	9138	
		25	2142	2642	3239	3948	4785	5767	6909	8226		
		20	2272	2792	3421	4173	5064	6111	7329			
		15	2417	2958	3618	4413	5358	6470				
		10	2584	3145	3837	4675	5674					
	POWER INPUT (W)	65			2584	2698	2804	2901	2989	3066		
		60		2137	2254	2366	2471	2569	2660	2742	2814	
		55	1848	1957	2063	2165	2262	2353	2438	2516	2585	
		50	1694	1792	1888	1982	2071	2156	2236	2310	2377	
		45	1553	1641	1729	1814	1897	1977	2052	2123	2188	
		40	1425	1504	1583	1661	1739	1814	1886	1955	2019	
		35	1309	1379	1451	1523	1595	1667	1736	1804	1868	
		30	1203	1266	1331	1398	1466	1534	1602	1669	1734	
		25	1108	1163	1222	1285	1349	1416	1483	1550		
		20	1021	1070	1124	1183	1245	1310	1377			
		15	942	986	1036	1092	1152	1217				
		10	870	909	956	1010	1069					
SE6018GK-C	COOLING CAPACITY (W)	65			2276	2759	3307	3939	4675	5533		
		60		1747	2194	2682	3229	3856	4579	5420	6396	
		55	1569	2019	2504	3043	3655	4359	5175	6120	7214	
		50	1780	2254	2777	3368	4044	4827	5733	6783	7996	
		45	1962	2461	3021	3663	4405	5265	6263	7417	8748	
		40	2122	2646	3245	3938	4744	5682	6771	8030	9479	
		35	2270	2818	3455	4199	5069	6086	7266	8630	10197	
		30	2412	2985	3659	4455	5390	6484	7756	9224	10909	
		25	2557	3154	3866	4713	5713	6885	8248	9821		
		20	2712	3334	4084	4981	6046	7296	8750			
		15	2885	3531	4319	5268	6397	7724				
		10	3084	3755	4581	5581	6774					
SE6021GK-C	POWER INPUT (W)	65			3015	3148	3272	3385	3487	3577		
		60		2494	2630	2760	2883	2997	3103	3199	3284	
		55	2156	2283	2407	2526	2639	2746	2845	2935	3016	
		50	1976	2091	2203	2312	2416	2516	2609	2695	2773	
		45	1812	1915	2017	2116	2213	2306	2394	2477	2553	
		40	1663	1755	1847	1938	2028	2116	2200	2280	2355	
		35	1527	1609	1692	1777	1861	1944	2026	2104	2179	
		30	1404	1477	1553	1631	1710	1790	1869	1947	2023	
		25	1292	1357	1426	1499	1574	1652	1730	1808		
		20	1191	1248	1312	1380	1453	1528	1607			
		15	1099	1150	1208	1273	1344	1419				
		10	1015	1061	1115	1178	1247					
SE6026GK-C	COOLING CAPACITY (W)	65			2592	3142	3766	4486	5324	6302		
		60		1990	2499	3054	3678	4391	5215	6172	7284	
		55	1787	2299	2852	3466	4163	4965	5893	6970	8216	
		50	2027	2567	3163	3835	4606	5497	6529	7725	9106	
		45	2234	2802	3441	4172	5016	5996	7132	8447	9962	
		40	2417	3013	3695	4484	5402	6471	7711	9145	10795	
		35	2585	3209	3934	4782	5773	6930	8275	9828	11612	
		30	2747	3399	4167	5073	6138	7384	8832	10505	12423	
		25	2912	3592	4403	5367	6506	7840	9393	11184		
		20	3088	3796	4651	5673	6885	8308	9965			
		15	3286	4021	4919	5999	7285	8797				
		10	3513	4276	5217	6355	7714					
SE6030GK-C	POWER INPUT (W)	65			3356	3505	3643	3769	3882	3982		
		60		2777	2928	3073	3210	3337	3455	3561	3656	
		55	2400	2542	2680	2813	2939	3057	3167	3268	3358	
		50	2200	2328	2453	2574	2691	2801	2905	3000	3087	
		45	2017	2132	2245	2356	2464	2568	2666	2758	2842</	

## R404A - MBP 3~ (Testing Voltage 380V/50Hz)

MODEL	PARAMETER	CONDENSING TEMP. °C	EVAPORATING TEMPERATURE °C°									
			-30	-25	-20	-15	-10	-5	0	5	10	
SE6015GS-0	COOLING CAPACITY (W)	65			1907	2311	2770	3300	3916	4635		
		60		1464	1838	2246	2705	3230	3836	4540	5358	
		55	1315	1691	2097	2549	3062	3652	4335	5126	6043	
		50	1491	1888	2326	2821	3388	4043	4802	5682	6697	
		45	1643	2061	2531	3068	3689	4410	5246	6213	7328	
		40	1778	2216	2718	3298	3973	4759	5672	6727	7940	
		35	1901	2360	2894	3517	4246	5098	6086	7229	8541	
		30	2021	2500	3065	3731	4515	5431	6497	7727	9138	
		25	2142	2642	3239	3948	4785	5767	6909	8226		
		20	2272	2792	3421	4173	5064	6111	7329			
		15	2417	2958	3618	4413	5358	6470				
		10	2584	3145	3837	4675	5674					
		65			2539	2652	2756	2851	2937	3013		
		60		2101	2215	2325	2428	2525	2614	2694	2766	
SE6018GS-0	POWER INPUT (W)	55	1816	1923	2028	2128	2223	2313	2396	2472	2540	
		50	1664	1761	1856	1947	2036	2119	2197	2270	2336	
		45	1526	1613	1699	1783	1864	1943	2017	2086	2150	
		40	1401	1478	1556	1633	1709	1782	1853	1921	1984	
		35	1286	1355	1426	1497	1568	1638	1706	1772	1835	
		30	1183	1244	1308	1374	1440	1508	1574	1640	1704	
		25	1089	1143	1201	1262	1326	1391	1457	1523		
		20	1003	1052	1105	1162	1224	1287	1353			
		15	926	969	1018	1073	1132	1196				
		10	855	894	940	992	1051					
		65			2276	2759	3307	3939	4675	5533		
		60		1747	2194	2682	3229	3856	4579	5420	6396	
SE6021GS-0	COOLING CAPACITY (W)	55	1569	2019	2504	3043	3655	4359	5175	6120	7214	
		50	1780	2254	2777	3368	4044	4827	5733	6783	7996	
		45	1962	2461	3021	3663	4405	5265	6263	7417	8748	
		40	2122	2646	3245	3938	4744	5682	6771	8030	9479	
		35	2270	2818	3455	4199	5069	6086	7266	8630	10197	
		30	2412	2985	3659	4455	5390	6484	7756	9224	10909	
		25	2557	3154	3866	4713	5713	6885	8248	9821		
		20	2712	3334	4084	4981	6046	7296	8750			
		15	2885	3531	4319	5268	6397	7724				
		10	3084	3755	4581	5581	6774					
		65			2868	2994	3112	3220	3317	3402		
		60		2372	2502	2625	2742	2851	2952	3043	3124	
SE6030GS-0	POWER INPUT (W)	55	2050	2172	2290	2403	2511	2612	2706	2792	2869	
		50	1880	1989	2096	2199	2299	2393	2482	2563	2638	
		45	1724	1822	1918	2013	2105	2194	2278	2356	2428	
		40	1582	1669	1757	1844	1930	2013	2093	2169	2240	
		35	1453	1531	1610	1690	1770	1850	1927	2002	2073	
		30	1336	1405	1477	1551	1627	1703	1778	1852	1924	
		25	1229	1291	1356	1426	1497	1571	1646	1720		
		20	1133	1187	1248	1313	1382	1454	1528			
		15	1045	1094	1150	1211	1279	1350				
		10	966	1009	1061	1121	1187					
		65			2592	3142	3766	4486	5324	6302		
		60		1990	2499	3054	3678	4391	5215	6172	7284	
SE6036GS-0	COOLING CAPACITY (W)	55	1787	2299	2852	3466	4163	4965	5893	6970	8216	
		50	2027	2567	3163	3835	4606	5497	6529	7725	9106	
		45	2234	2802	3441	4172	5016	5996	7132	8447	9962	
		40	2417	3013	3695	4484	5402	6471	7711	9145	10795	
		35	2585	3209	3934	4782	5773	6930	8275	9828	11612	
		30	2747	3399	4167	5073	6138	7384	8832	10505	12423	
		25	2912	3592	4403	5367	6506	7840	9393	11184		
		20	3088	3796	4651	5673	6885	8308	9965			
		15	3286	4021	4919	5999	7285	8797				
		10	3513	4276	5217	6355	7714					
SE6026GS-0	POWER INPUT (W)	65			3180	3320	3451	3571	3678	3773		
		60		2630	2774	2911	3041	3162	3273	3374	3464	
		55	2274	2408	2539	2665	2784	2896	3001	3096	3181	
		50	2084	2205	2324	2439	2549	2654	2752	2842	2925	
		45	1911	2020	2127	2232	2335	2526	2613			

## R404A - MBP 3~ (Testing Voltage 380V/50Hz)

...FOLLOW

MODEL	PARAMETER	CONDENSING TEMP. C°	EVAPORATING TEMPERATURE C°									
			-30	-25	-20	-15	-10	-5	0	5	10	
SE6043GS-0	COOLING CAPACITY (W)	65		5409	6556	7859	9362	11111	13150			
		60		4152	5214	6373	7674	9163	10883	12880	15200	
		55	3729	4798	5951	7232	8687	10360	12298	14544	17145	
		50	4230	5357	6600	8003	9611	11470	13625	16120	19001	
		45	4662	5848	7180	8705	10467	12512	14883	17627	20789	
		40	5044	6288	7711	9357	11273	13503	16091	19084	22526	
		35	5394	6697	8210	9978	12047	14462	17268	20509	24232	
		30	5732	7093	8696	10586	12809	15409	18431	21921	25924	
		25	6076	7495	9188	11200	13576	16361	19600	23339		
		20	6445	7922	9705	11838	14367	17338	20794			
	POWER INPUT (W)	15	6857	8392	10264	12519	15202	18357				
		10	7330	8923	10886	13262	16098					
		65		6304	6583	6841	7078	7292	7479			
		60		5215	5500	5771	6028	6268	6489	6689	6866	
		55	4507	4775	5034	5282	5519	5742	5948	6137	6307	
		50	4132	4372	4607	4835	5053	5261	5455	5635	5798	
		45	3789	4004	4217	4426	4628	4822	5007	5179	5338	
		40	3477	3669	3862	4053	4242	4425	4601	4769	4925	
		35	3193	3364	3539	3715	3892	4066	4236	4400	4556	
		30	2936	3088	3246	3410	3576	3743	3909	4072	4230	
		25	2702	2837	2982	3134	3292	3454	3617	3781		
		20	2490	2610	2743	2886	3037	3196	3360			
		15	2298	2405	2527	2663	2811	2968				
		10	2123	2218	2333	2463	2609					
SE6053GS-0	COOLING CAPACITY (W)	65		6555	7945	9524	11346	13465	15936			
		60		5032	6319	7724	9300	11104	13189	15610	18421	
		55	4520	5815	7212	8764	10527	12555	14903	17626	20777	
		50	5126	6492	7998	9698	11648	13901	16512	19536	23027	
		45	5650	7086	8702	10550	12685	15163	18037	21362	25194	
		40	6112	7620	9345	11340	13662	16364	19501	23128	27299	
		35	6537	8116	9949	12093	14600	17527	20927	24855	29366	
		30	6947	8596	10539	12829	15523	18674	22337	26566	31417	
		25	7364	9084	11135	1373	16453	19828	23753	28284		
		20	7811	9601	11761	14347	17412	21011	25200			
	POWER INPUT (W)	15	8310	10170	12439	15172	18423	22247				
		10	8883	10814	13192	16072	19509					
		65		7639	7977	8291	8578	8837	9064			
		60		6319	6665	6994	7305	7596	7863	8106	8321	
		55	5463	5786	6100	6402	6688	6958	7209	7438	7643	
		50	5007	5298	5583	5859	6124	6375	6611	6829	7026	
		45	4592	4853	5111	5363	5609	5844	6068	6277	6469	
		40	4214	4447	4680	4912	5140	5362	5576	5779	5969	
		35	3870	4077	4289	4503	4716	4927	5133	5332	5522	
		30	3558	3742	3934	4132	4333	4536	4737	4934	5126	
		25	3275	3438	3614	3798	3989	4185	4384	4582		
		20	3018	3163	3324	3497	3681	3873	4071			
		15	2785	2914	3062	3227	3406	3597				
		10	2572	2688	2827	2985	3161					
SE6056GS-0	COOLING CAPACITY (W)	65		6905	8369	10032	11951	14183	16786			
		60		5300	6656	8136	9797	11696	13892	16442	19404	
		55	4761	6125	7596	9232	11089	13225	15698	18566	21886	
		50	5400	6839	8425	10216	12269	14642	17393	20578	24256	
		45	5951	7465	9166	11112	13362	15971	18999	22502	26538	
		40	6439	8027	9843	11945	14390	17237	20541	24362	28755	
		35	6886	8549	10480	12738	15379	18462	22043	26181	30933	
		30	7318	9055	11101	13514	16351	19670	23528	27983	33093	
		25	7757	9568	11729	14297	17330	20886	25021	29793		
		20	8227	10113	12388	15112	18341	21232	26544			
	POWER INPUT (W)	15	8753	10713	13103	15981	19406	23433				
		10	9357	11391	13896	16930	20550					
		65		8047	8403	8733	9036	9308	9548			
		60		6657	7020	7367	7695	8001	8283	8538	8765	
		55	5754	6095	6426	6743	7045	7329	7593	7834	8051	
		50	5274	5581								

R404A - LBP 1~ (Testing Voltage 220V/50Hz)

Model	Parameter	Condensing Temperature (°C)	Evaporating Temperature (°C)								
			-40	-35	-30	-25	-20	-15	-10	-5	0
SE2006GK-C	Cooling Capacity (W)	60				1346	1629	1961	2345	2785	3285
		55	800	987	1217	1493	1818	2198	2634	3131	3691
		50	860	1073	1334	1645	2010	2434	2919	3470	4089
		45	930	1166	1454	1798	2200	2666	3197	3799	4474
		40	1005	1261	1574	1947	2383	2887	3463	4112	4840
		35	1079	1352	1687	2087	2555	3095	3710	4405	5183
		30	1148	1436	1790	2213	2709	3283	3936	4673	5498
		25	1207	1507	1877	2321	2843	3446	4134	4911	5780
	Power Input (W)	60				1971	2047	2126	2210	2296	2386
		55	1546	1609	1677	1750	1826	1907	1990	2077	2166
		50	1368	1432	1500	1573	1649	1729	1811	1897	1985
		45	1228	1291	1359	1430	1505	1583	1664	1747	1833
		40	1116	1178	1244	1313	1385	1461	1538	1619	1700
		35	1024	1083	1146	1212	1281	1352	1426	1502	1579
		30	942	997	1056	1117	1182	1248	1317	1387	1459
		25	860	911	964	1021	1079	1140	1202	1266	1331
SE2008GK-C	Cooling Capacity (W)	60				1719	2080	2504	2995	3557	4195
		55	1021	1260	1554	1906	2322	2806	3363	3997	4714
		50	1099	1371	1703	2100	2567	3108	3728	4431	5222
		45	1188	1489	1857	2296	2810	3404	4083	4851	5713
		40	1283	1610	2009	2486	3043	3687	4421	5251	6180
		35	1378	1727	2154	2665	3262	3952	4738	5625	6618
		30	1466	1834	2285	2826	3460	4192	5026	5967	7020
		25	1542	1924	2396	2964	3630	4400	5279	6271	7380
	Power Input (W)	60				2527	2624	2726	2833	2944	3059
		55	1982	2063	2151	2243	2342	2444	2552	2663	2777
		50	1754	1836	1923	2016	2114	2216	2322	2432	2545
		45	1574	1655	1742	1834	1929	2030	2133	2240	2350
		40	1431	1510	1594	1683	1776	1873	1972	2075	2180
		35	1313	1389	1469	1554	1642	1734	1828	1925	2024
		30	1208	1278	1354	1433	1515	1600	1688	1779	1870
		25	1103	1168	1236	1308	1384	1461	1541	1623	1706
SE2010GK-C	Cooling Capacity (W)	60				2019	2444	2942	3518	4178	4927
		55	1200	1480	1825	2239	2728	3296	3951	4696	5537
		50	1291	1610	2000	2467	3016	3651	4379	5205	6134
		45	1395	1749	2181	2697	3300	3998	4796	5698	6711
		40	1507	1891	2361	2920	3575	4331	5194	6168	7260
		35	1619	2029	2531	3130	3832	4642	5566	6608	7774
		30	1722	2154	2685	3320	4064	4924	5904	7010	8246
		25	1811	2260	2815	3481	4264	5169	6201	7366	8670
	Power Input (W)	60				2948	3061	3180	3305	3435	3569
		55	2312	2407	2509	2617	2732	2852	2977	3106	3240
		50	2046	2142	2244	2352	2466	2585	2709	2837	2969
		45	1837	1931	2032	2139	2251	2368	2489	2613	2741
		40	1670	1762	1860	1964	2072	2185	2301	2421	2543
		35	1532	1620	1714	1812	1915	2022	2133	2246	2362
		30	1409	1491	1579	1671	1767	1867	1970	2075	2182
		25	1287	1362	1442	1527	1614	1705	1798	1894	1991

Model	Parameter	Condensing Temperature (°C)	Evaporating Temperature (°C)								
			-40	-35	-30	-25	-20	-15	-10	-5	0
SE2012GK-C	Cooling Capacity (W)	60				2618	3169	3814	4562	5418	6389
		55	1556	1920	2366	2903	3537	4274	5123	6089	7180
		50	1673	2088	2594	3199	3910	4734	5678	6749	7954
		45	1809	2268	2829	3497	4280	5185	6219	7389	8702
		40	1954	2453	3061	3786	4636	5616	6735	7998	9414
		35	2099	2631	3282	4059	4969	6019	7217	8568	1008
		30	2233	2793	3481	4305	5270	6385	7655	9089	1069
		25	2348	2931	3650	4514	5529	6703	8041	9552	1124
	Power Input (W)	60				3816	3962	4117	4278	4445	4619
		55	2993	3116	3247	3388	3536	3691	3853	4021	4193
		50	2648	2772	2904	3045	3192	3346	3507	3672	3842
		45	2377	2500	2630	2769	2914	3065	3221	3382	3548
		40	2161	2281	2408	2542	2682	2828	2978	3133	3292
		35	1983	2097	2218	2346	2479	2618	2761	2907	3057
		30	1823	1930	2044	2163	2288	2417	2550	2686	2824
		25	1666	1763	1867	1976	2089	2207	2328	2451	2577
SE2014GK-C	Cooling Capacity (W)	60				3055	3697	4450	5322	6320	7454
		55	1815	2240	2761	3387	4126	4987	5977	7104	8377
		50	1952	2436	3026	3732	4562	5523	6625	7874	9280
		45	2111	2647	3300	4079	4993	6049	7255	8620	1015
		40	2280	2861	3571	4417	5408	6552	7857	9331	1098
		35	2449	3069	3829	4735	5797	7023	8420	9996	1176
		30	2605	3259	4061	5022	6148	7449	8931	10604	12479
		25	2740	3419	4259	5267	6451	7820	9382	11144	13115
	Power Input (W)	60				4060	4216	4380	4552	4730	4914
		55	3184	3315	3455	3605	3762	3927	4099	4278	4462
		50	2818	2949	3090	3240	3397	3561	3731	3907	4088
		45	2529	2660	2799	2946	3100	3261	3427	3599	3775
		40	2299	2427	2562	2704	2854	3009	3169	3334	3503
		35	2109	2231	2360	2496	2638	2785	2937	3093	3252
		30	1940	2054	2175	2302	2434	2571	2713	2858	3005
		25	1772	1876	1986	2102	2223	2348	2477	2608	2742

Testing conditions: Return Gas Temperature 20°C, No subcooling  
*Subject to modification without prior notification*

## R404A - LBP 3~ (Testing Voltage 380V/50Hz)

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)								
			-40	-35	-30	-25	-20	-15	-10	-5	0
SE2006GS-0	COOLING CAPACITY (W)	60	1346	1629	1961	2345	2785	3285			
		55	800	987	1217	1493	1818	2198	2634	3131	3691
		50	860	1073	1334	1645	2010	2434	2919	3470	4089
		45	930	1166	1454	1798	2200	2666	3197	3799	4474
		40	1005	1261	1574	1947	2383	2887	3463	4112	4840
	POWER INPUT (W)	35	1079	1352	1687	2087	2555	3095	3710	4405	5183
		30	1148	1436	1790	2213	2709	3283	3936	4673	5498
		25	1207	1507	1877	2321	2843	3446	4134	4911	5780
		20	1207	1507	1877	2321	2843	3446	4134	4911	5780
		15	1533	1596	1663	1735	1811	1890	1973	2059	2148
SE2008GS-0	COOLING CAPACITY (W)	60	1356	1420	1487	1559	1635	1714	1796	1881	1968
		55	1217	1280	1347	1418	1492	1569	1650	1732	1817
		50	1107	1168	1233	1302	1373	1448	1525	1605	1686
		45	1015	1074	1136	1201	1270	1341	1414	1489	1566
		40	934	989	1047	1108	1172	1238	1306	1375	1446
	POWER INPUT (W)	35	853	903	956	1012	1070	1130	1192	1255	1320
		30	1021	1260	1554	1906	2322	2806	3363	3997	4714
		25	1099	1371	1703	2100	2567	3108	3728	4431	5222
		20	1188	1489	1857	2296	2810	3404	4083	4851	5713
		15	1283	1610	2009	2486	3043	3687	4421	5251	6180
SE2010GS-0	COOLING CAPACITY (W)	60	1378	1727	2154	2665	3262	3952	4738	5625	6618
		55	1542	1924	2396	2964	3630	4400	5279	6271	7380
		50	1492	2022	2108	2199	2295	2395	2500	2609	2721
		45	1719	1799	1885	1976	2072	2172	2276	2383	2494
		40	1403	1480	1563	1650	1741	1835	1933	2034	2136
	POWER INPUT (W)	35	1287	1361	1440	1522	1609	1699	1792	1887	1984
		30	1183	1253	1326	1404	1485	1568	1655	1743	1833
		25	1081	1144	1212	1282	1356	1432	1511	1591	1672
		20	1200	1480	1825	2239	2728	3296	3951	4696	5537
		15	1291	1610	2000	2467	3016	3651	4379	5205	6134
SE2012GS-0	COOLING CAPACITY (W)	60	1209	1444	1920	2019	2444	2942	3518	4178	4927
		55	2259	2352	2452	2558	2669	2787	2909	3035	3166
		50	1999	2093	2193	2299	2410	2526	2647	2772	2901
		45	1795	1887	1986	2090	2200	2314	2432	2554	2678
		40	1632	1722	1818	1919	2025	2135	2249	2366	2485
	POWER INPUT (W)	35	1497	1583	1675	1771	1872	1976	2084	2195	2308
		30	1377	1457	1543	1633	1727	1825	1925	2028	2132
		25	1258	1331	1409	1492	1577	1666	1757	1851	1945
		20	1281	1331	1409	1492	1577	1666	1757	1851	1945
		15	2348	2931	3650	4514	5529	6703	8041	9552	11242
SE2014GS-0	COOLING CAPACITY (W)	60	2618	3169	3814	4562	5418	6389			
		55	1556	1920	2366	2903	3537	4274	5123	6089	7180
		50	1673	2088	2594	3199	3910	4734	5678	6749	7954
		45	1809	2268	2829	3497	4280	5185	6219	7389	8702
		40	1954	2453	3061	3786	4636	5616	6735	7998	9414
	POWER INPUT (W)	35	2099	2631	3282	4059	4969	6019	7217	8568	10081
		30	2233	2793	3481	4305	5270	6385	7655	9089	10693
		25	2348	2931	3650	4514	5529	6703	8041	9552	11242
		20	2931	3051	3180	3317	3462	3615	3773	3937	4106
		15	2593	2715	2844	2981	3126	3277	3434	3596	3763
SE2017GS-0	COOLING CAPACITY (W)	60	2252	2376	2509	2746	3103	3265	3430		
		55	2066	2235	2311	2444	2583	2727	2876	3029	3185
		50	1900	2011	2130	2254	2384	2518	2656	2798	2943
		45	1736	1837	1945	2059	2177	2299	2425	2554	2685
		40	3624	4386	5280	6314	7499	8844			
	POWER INPUT (W)	35	2154	2657	3276	4019	4896	5917	7091	8428	9938
		30	2316	2890	3590	4428	5413	6553	7860	9342	11010
		25	2505	3140	3915	4840	5924	7177	8608	10227	12045
		20	2705	3395	4237	5241	6417	7774	9322	11071	13030
		15	2905	3641	4542	5618	6878	8332	9899	11860	13954
SE2020GS-0	COOLING CAPACITY (W)	60	3091	3866	4819	5958	7295	8838	10597	12581	14801
		55	3250	4056	5053	6249	7654	9278	11131	13222	15561
		50	3581	3728	3885	4053	4230	4416	4610	4810	5017
		45	3169	331							

## R134a - MBP 1~ (Testing Voltage 220V/50Hz)

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6015GK-C	COOLING CAPACITY (W)	75				2070	2525	3057	3661	
		70				1827	2258	2770	3359	4022
		65			1580	1975	2456	3019	3661	4377
		60		1347	1694	2132	2658	3267	3957	4723
		55	1146	1434	1818	2295	2860	3512	4244	5055
		50	1213	1531	1948	2459	3060	3748	4519	5369
		45	1292	1637	2081	2621	3253	3973	4777	5662
		40	1379	1745	2212	2777	3434	4181	5014	5928
		35	1470	1853	2339	2922	3600	4370	5226	
		30	1562	1957	2455	3053	3748	4534		
	POWER INPUT (W)	25	1650	2052	2559	3167	3872			
		75				1939	2034	2123	2203	
		70				1700	1792	1881	1965	2039
		65			1486	1572	1659	1743	1821	1890
		60		1298	1377	1458	1540	1618	1690	1752
SE6018GK-C	COOLING CAPACITY (W)	55	1139	1206	1279	1355	1431	1504	1569	1624
		50	1061	1124	1192	1262	1332	1398	1457	1505
		45	993	1050	1112	1177	1241	1300	1351	1392
		40	931	983	1040	1098	1155	1207	1251	1283
		35	875	921	971	1023	1072	1117	1153	
		30	822	861	905	949	992	1028		
		25	770	803	839	877	911			
	POWER INPUT (W)	75				2471	3015	3649	4370	
		70			2182	2696	3307	4010	4802	
		65			1887	2358	2931	3604	4370	5226
		60		1608	2022	2545	3173	3901	4724	5639
		55	1368	1711	2170	2739	3415	4192	5067	6035
SE6021GK-C	COOLING CAPACITY (W)	50	1448	1828	2326	2935	3653	4475	5395	6410
		45	1542	1954	2484	3129	3883	4742	5703	6759
		40	1646	2083	2641	3315	4100	4991	5985	7077
		35	1755	2213	2792	3488	4298	5216	6239	
		30	1865	2336	2931	3645	4474	5413		
		25	1970	2450	3055	3780	4622			
	POWER INPUT (W)	75				2262	2373	2476	2570	
		70				1983	2090	2195	2292	2379
		65			1733	1834	1936	2034	2125	2205
		60		1515	1606	1701	1796	1888	1971	2044
		55	1328	1407	1492	1581	1670	1754	1830	1895
SE6026GK-C	COOLING CAPACITY (W)	50	1238	1311	1390	1473	1554	1631	1700	1755
		45	1158	1225	1298	1373	1448	1516	1576	1624
		40	1086	1147	1213	1281	1347	1408	1459	1497
		35	1021	1074	1133	1193	1251	1303	1345	
		30	959	1005	1056	1108	1157	1200		
		25	898	936	979	1023	1063			
	POWER INPUT (W)	75				2814	3433	4156	4977	
		70				2484	3070	3766	4567	5468
		65			2149	2685	3338	4104	4977	5951
		60		1831	2303	2898	3613	4442	5380	6421
		55	1558	1949	2471	3120	3889	4774	5771	6872
SE6030GK-C	COOLING CAPACITY (W)	50	1649	2082	2648	3343	4160	5096	6144	7300
		45	1756	2225	2829	3563	4422	5401	6494	7697
		40	1875	2373	3008	3775	4669	5684	6816	8060
		35	1999	2520	3179	3973	4895	5941	7105	
		30	2124	2660	3338	4151	5095	6164		
		25	2244	2790	3479	4305	5264			
	POWER INPUT (W)	75				2519	2642	2757	2862	
		70				2208	2327	2444	2552	2649
		65				1930	2042	2155	2264	2366
		60			1686	1788	1894	2000	2102	2195
		55	1479	1566	1662	1761	1859	1953	2038	2110
SE6035GK-C	COOLING CAPACITY (W)	50	1378	1459	1548	1640	1731	1816	1892	1955
		45	1290	1364	1445	1529	1612	1688	1755	1808
		40	1210	1277	1350	1426	1500	1567	1624	1667
		35	1136	1196	1261	1328	1393	1451	1497	
		30	1067	1119	1175	1233	1288	1336		
		25	1000	1043	1090	1139	1183			
	POWER INPUT (W)	75				3546	4327	5238	6273	
		70				3131	3869	4747	5756	6892
		65				2708	3384	4208	5173	7501
		60				2308	2902	3653	4554	5598
		55	1964	2456	3115	3932	4901	6017	7273	8662
SE6040GK-C	COOLING CAPACITY (W)	50	2078	2624	3338	4213	5244	6422	7743	9200
		45	2213	2804	3566	4491	5573	6807	8185	9701
		40	2363	2990	3791	4758	5884	7164	8591	10158
		35	2519	3176	4007	5007				

## R134a - MBP 3~ (Testing Voltage 380V/50Hz)

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)								
			-20	-15	-10	-5	0	5	10	15	
SE6015GS-0	COOLING CAPACITY (W)	75					2070	2525	3057	3661	
		70					1827	2258	2770	3359	
		65					1580	1975	2456	3019	
		60					1347	1694	2132	2658	
		55	1146	1434	1818	2295	2860	3512	4244	5055	
		50	1213	1531	1948	2459	3060	3748	4519	5369	
		45	1292	1637	2081	2621	3253	3973	4777	5662	
		40	1379	1745	2212	2777	3434	4181	5014	5928	
		35	1470	1853	2339	2922	3600	4370	5226		
		30	1562	1957	2455	3053	3748	4534			
	POWER INPUT (W)	25	1650	2052	2559	3167	3872				
		75					1906	1999	2086	2165	
		70					1671	1761	1849	1931	
		65					1460	1545	1631	1713	
		60					1276	1353	1433	1513	
		55	1119	1185	1257	1332	1407	1478	1542	1596	
		50	1043	1104	1171	1241	1309	1374	1432	1479	
		45	976	1032	1093	1157	1219	1277	1328	1368	
		40	915	966	1022	1079	1135	1186	1229	1261	
		35	860	905	954	1005	1054	1098	1133		
	COOLING CAPACITY (W)	30	807	846	889	933	975	1011			
		25	757	789	825	861	895				
SE6018GS-0		75					2471	3015	3649	4370	
		70					2182	2696	3307	4010	
		65					1887	2358	2931	3604	
		60					1608	2022	2545	3173	
		55	1368	1711	2170	2739	3415	4192	5067	6035	
		50	1448	1828	2326	2935	3653	4475	5395	6410	
		45	1542	1954	2484	3129	3883	4742	5703	6759	
		40	1646	2083	2641	3315	4100	4991	5985	7077	
		35	1755	2213	2792	3488	4298	5216	6239		
		30	1865	2336	2931	3645	4474	5413			
POWER INPUT (W)	25	1970	2450	3055	3780	4622					
	75					2152	2257	2356	2445		
	70					1887	1988	2088	2181		
	65					1649	1745	1841	1935		
	60					1441	1528	1618	1709		
	55	1264	1338	1420	1504	1588	1669	1741	1802		
	50	1178	1247	1323	1401	1479	1552	1617	1670		
	45	1102	1165	1235	1306	1377	1443	1500	1544		
	40	1033	1091	1154	1218	1281	1339	1388	1424		
	35	971	1022	1078	1135	1190	1239	1279			
SE6021GS-0	COOLING CAPACITY (W)	30	912	956	1004	1054	1101	1141			
		25	854	891	932	973	1011				
		75					2814	3433	4156	4977	
		70					2484	3070	3766	4567	
		65					2149	2685	3338	4104	
		60					1831	2303	2898	3613	
		55	1558	1949	2471	3120	3889	4774	5771	6872	
		50	1649	2082	2648	3343	4160	5096	6144	7300	
		45	1756	2225	2829	3563	4422	5401	6494	7697	
		40	1875	2373	3008	3775	4669	5684	6816	8060	
	POWER INPUT (W)	35	1999	2520	3179	3973	4895	5941	7105		
		30	2124	2660	3338	4151	5095	6164			
		25	2244	2790	3479	4305	5264				
		75					2387	2503	2612	2711	
		70					2092	2205	2315	2418	
		65					1828	1935	2042	2135	
		60					1598	1694	1794	1895	
		55	1401	1484	1574	1668	1761	1850	1931	1999	
		50	1306	1383	1467	1554	1640	1721	1793	1852	
		45	1222	1292	1369	1449	1527	1600	1663	1713	
SE6026GS-0	COOLING CAPACITY (W)	35	1077	1133	1195	1258	1320	1374	1419		
		30	1011	1060	1114	1168	1220	1266			
		25	947	988	1033	1079	1121				
		75					3546	4327	5238	6273	
		70					3131	3869	4747	5756	
		65					2708	3384	4208	5173	
		60					2308	2902	3653	4554	
		55	1964	2456	3115	3932	4901	6017	7273	8662	
		50	2078	2624	3338	4213	5244	6422	7743	9200	
		45	2213	2804	3566	4491	5573	6807	8185	9701	
	POWER INPUT (W)	40	2363	2990	3791	4758	5884	7164	8591	10158	
		35	2519	3176	4007	5007	6169	7487	8954		
		30	2677	3353	4207	5232	6422	7769			
		25	2828	3516	4384	5426	6635				
		75					3017	3163	3302	3427	
		70					2644	2787	2926	3056	
		65				</td					

**R134a - MBP 3~ (Testing Voltage 380V/50Hz)**

...FOLLOW

Model	Parameter	Condensing Temperature (°C)	Evaporating Temperature (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6056GS-0	Cooling Capacity (W)	75					7495	9146	11071	13258
		70				6618	8178	10032	12166	14566
		65			5724	7152	8893	10933	13257	15854
		60		4879	6134	7721	9625	11833	14331	17105
		55	4151	5192	6583	8310	10360	12718	15372	18307
		50	4392	5546	7055	8905	11083	13574	16366	19445
		45	4678	5927	7536	9492	11780	14387	17300	20504
		40	4994	6321	8013	10056	12437	15142	18158	21470
		35	5325	6712	8469	10583	13039	15825	18926	
		30	5657	7087	8892	11058	13573	16421		
	Power Input (W)	25	5977	7432	9267	11468	14023			
SE6067GS-0	Cooling Capacity (W)	75					6039	6333	6611	6861
		70				5294	5580	5858	6119	6351
		65			4627	4896	5167	5429	5671	5885
		60		4043	4287	4541	4795	5039	5262	5456
		55	3546	3755	3983	4221	4457	4683	4886	5058
		50	3305	3499	3711	3931	4149	4354	4537	4686
		45	3092	3270	3465	3666	3864	4048	4208	4334
		40	2900	3061	3237	3419	3596	3758	3894	3996
		35	2724	2867	3024	3185	3339	3478	3590	
		30	2559	2682	2818	2957	3088	3203		
	Power Input (W)	25	2397	2500	2614	2730	2837			
SE6078GS-0	Cooling Capacity (W)	75					9210	11238	13604	16291
		70				8132	10049	12327	14949	17898
		65			7033	8788	10927	13433	16290	19480
		60		5995	7537	9487	11827	14539	17609	21018
		55	5100	6379	8089	10211	12729	15627	18888	22494
		50	5397	6815	8669	10942	13618	16679	20110	23892
		45	5748	7283	9260	11663	14474	17678	21256	25194
		40	6136	7766	9845	12356	15282	18605	22311	26381
		35	6543	8247	10406	13003	16022	19444	23255	
		30	6951	8708	10926	13588	16677	20177		
	Power Input (W)	25	7344	9131	11386	14091	17230			

Model	Parameter	Condensing Temperature (°C)	Evaporating Temperature (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6085GS-0	Cooling Capacity (W)	75					11357	13858	16776	20089
		70				10028	12392	15201	18435	22072
		65			8673	10837	13475	16566	20088	24022
		60		7392	9295	11699	14584	17930	21715	25919
		55	6289	7867	9975	12592	15697	19271	23292	27740
		50	6655	8404	10690	13493	16793	20568	24799	29464
		45	7088	8981	11419	14382	17849	21800	26213	31068
		40	7566	9577	12141	15237	18845	22944	27513	32532
		35	8068	10170	12833	16036	19758	23979	28678	
		30	8572	10739	13474	16756	20566	24882		
		25	9056	11261	14041	17377	21248			
	Power Input (W)	75					9061	9501	9917	10293
		70				7942	8371	8789	9180	9528
		65			6942	7346	7752	8144	8508	8829
		60		6066	6431	6812	7193	7559	7895	8185
		55	5319	5633	5976	6333	6687	7025	7330	7588
		50	4958	5249	5568	5898	6225	6532	6806	7030
		45	4638	4905	5198	5500	5797	6073	6313	6502
		40	4351	4592	4857	5129	5395	5638	5843	5994
		35	4087	4301	4536	4778	5010	5218	5386	
		30	3839	4023	4228	4436	4633	4805		
		25	3597	3750	3922	4095	4257			
SE6089GS-0	Cooling Capacity (W)	75					11943	14573	17641	21126
		70				10545	13032	15986	19386	23211
		65			9120	11397	14171	17420	21125	25261
		60		7774	9775	12303	15337	18855	22835	27256
		55	6614	8273	10489	13241	16507	20265	24494	29171
		50	6998	8837	11242	14190	17660	21630	26078	30984
		45	7454	9445	12009	15125	18770	22925	27566	32671
		40	7957	10071	12767	16023	19817	24128	28933	34211
		35	8485	10695	13495	16863	20777	25216	30157	
		30	9014	11293	14169	17621	21627	26166		
		25	9523	11842	14766	18274	22344			
	Power Input (W)	75					9528	9992	10429	10824
		70				8352	8803	9242	9653	10020
		65			7300	7725	8152	8565	8947	9284
		60		6379	6763	7164	7565	7949	8302	8607
		55	5594	5924	6284	6659	7032	7387	7709	7980
		50	5214	5520	5855	6202	6546	6869	7157	7393
		45	4877	5158	5466	5784	6096	6386	6639	6837
		40	4575	4829	5107	5394	5673	5929	6144	6304
		35	4298	4523	4770	5024	5268	5487	5664	
		30	4037	4231	4446	4665	4873	5053		
		25	3792	4044	4124	4207	4476			

Testing conditions: Return Gas Temperature 20°C, No subcooling  
*Subject to modification without prior notification*

R513A - MBP 1~ (Testing Voltage 220V/50Hz)

Model	Parameter	Condensing Temperature (°C)	Evaporating Temperature (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6015GK-C	Cooling Capacity (W)	75					1963	2366	2849	3409
		70				1799	2185	2655	3205	3833
		65			1615	1973	2419	2950	3563	4252
		60		1429	1748	2160	2661	3248	3915	4659
		55	1258	1527	1895	2355	2906	3541	4257	5051
		50	1330	1641	2051	2554	3147	3825	4584	5420
		45	1418	1765	2211	2751	3380	4094	4890	5763
		40	1516	1894	2370	2939	3599	4343	5169	6073
		35	1621	2022	2522	3115	3798	4567	5417	
		30	1725	2144	2661	3272	3972	4759		
	Power Input (W)	25	1824	2254	2782	3405	4117			
		75					2036	2126	2200	2257
		70			1790	1885	1969	2038	2092	
		65			1565	1660	1747	1825	1890	1940
		60		1364	1454	1540	1621	1693	1754	1801
		55	1190	1271	1352	1431	1505	1572	1629	1673
SE6018GK-C	Cooling Capacity (W)	50	1115	1186	1259	1330	1399	1461	1514	1556
		45	1047	1109	1173	1238	1300	1358	1408	1449
		40	984	1037	1093	1151	1209	1263	1311	1350
		35	926	969	1019	1071	1123	1174	1219	
		30	871	906	948	995	1043	1090		
		25	817	845	881	922	966			
		75					2344	2824	3401	4069
		70			2148	2608	3169	3827	4576	
		65			1928	2355	2888	3522	4253	5076
		60		1706	2086	2578	3177	3877	4674	5562
	Power Input (W)	55	1502	1823	2262	2812	3469	4227	5083	6030
		50	1587	1959	2448	3049	3757	4566	5473	6471
		45	1692	2108	2640	3284	4035	4888	5838	6880
		40	1810	2261	2829	3509	4296	5185	6171	7250
		35	1935	2414	3010	3719	4534	5452	6467	
		30	2060	2559	3177	3906	4742	5681		
	SE6021GK-C	25	2178	2691	3322	4064	4915			
	Power Input (W)	75				2375	2480	2567	2634	
		70			2089	2199	2297	2378	2440	
		65		1826	1937	2039	2129	2205	2263	
		60		1591	1696	1797	1891	1975	2046	2101
		55	1389	1483	1577	1669	1756	1834	1900	1952
		50	1301	1384	1469	1552	1632	1704	1767	1816
		45	1222	1293	1368	1444	1517	1584	1643	1690
		40	1148	1209	1275	1343	1410	1473	1529	1575
		35	1080	1131	1188	1249	1311	1370	1423	
		30	1016	1057	1106	1160	1217	1272		
	Cooling Capacity (W)	25	954	986	1027	1075	1127			
		75				2669	3216	3873	4634	
		70			2446	2970	3609	4358	5211	
		65			2196	2682	3289	4011	4844	5780
		60		1943	2376	2936	3618	4415	5323	6335
		55	1710	2077	2576	3202	3950	4814	5788	6867
		50	1808	2231	2788	3473	4278	5200	6233	7369
		45	1927	2400	3006	3740	4595	5566	6648	7835
		40	2062	2575	3222	3996	4892	5905	7028	8256
		35	2204	2749	3428	4235	5163	6209	7364	
	Power Input (W)	30	2346	2915	3617	4448	5401	6470		
		25	2480	3065	3783	4629	5597			
		75				2644	2761	2858	2932	
		70			2326	2449	2557	2648	2717	
		65		2033	2156	2270	2371	2455	2520	
		60		1771	1888	2001	2106	2199	2278	2339
		55	1546	1651	1756	1859	1955	2042	2116	2174
		50	1449	1541	1635	1728	1817	1897	1967	2022
		45	1360	1440	1523	1608	1689	1764	1830	1882
		40	1279	1347	1420	1496	1570	1640	1702	1753
		35	1203	1259	1323	1391	1459	1525	1584	
		30	1131	1177	1232	1292	1355	1416		
		25	1062	1097	1144	1197	1255			

Model	Parameter	Condensing Temperature (°C)	Evaporating Temperature (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6026GK-C	Cooling Capacity (W)	75					3364	4054	4882	5841
		70				3083	3743	4549	5493	6568
		65			2768	3380	4145	5055	6105	7285
		60		2448	2995	3701	4560	5565	6709	7984
		55	2155	2617	3246	4036	4979	6067	7295	8655
		50	2278	2812	3514	4377	5392	6554	7855	9288
		45	2429	3025	3789	4713	5791	7015	8379	9875
		40	2598	3246	4061	5037	6166	7442	8858	10405
		35	2777	3465	4321	5337	6508	7825	9282	
		30	2956	3674	4559	5606	6807	8154		
	Power Input (W)	25	3126	3862	4767	5834	7054			
SE6030GK-C	Cooling Capacity (W)	75					3230	3372	3491	3582
		70				2841	2991	3124	3234	3319
		65			2483	2634	2772	2896	2999	3078
		60		2164	2307	2444	2572	2686	2783	2857
		55	1889	2016	2145	2270	2388	2494	2585	2655
		50	1770	1882	1997	2111	2219	2318	2403	2469
		45	1662	1759	1861	1964	2063	2155	2235	2299
		40	1562	1645	1734	1827	1918	2004	2079	2141
		35	1469	1538	1616	1699	1783	1863	1935	
		30	1381	1437	1504	1578	1655	1730		
	Power Input (W)	25	1297	1340	1397	1463	1533			
SE6035GK-C	Cooling Capacity (W)	75					3816	4599	5538	6626
		70				3498	4246	5160	6231	7450
		65			3140	3834	4702	5735	6925	8264
		60		2778	3397	4198	5173	6313	7610	9057
		55	2445	2969	3683	4579	5648	6883	8276	9818
		50	2584	3190	3987	4965	6117	7435	8911	10536
		45	2755	3432	4298	5347	6570	7959	9505	11202
		40	2948	3682	4606	5714	6995	8443	10048	11804
		35	3151	3931	4901	6055	7383	8877	10529	
		30	3354	4167	5172	6360	7722	9251		
	Power Input (W)	25	3546	4382	5408	6618	8002			

Testing conditions: Return Gas Temperature 20°C, No subcooling  
*Subject to modification without prior notification*

## R513A - MBP 3~ (Testing Voltage 380V/50Hz)

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6015GS-0	COOLING CAPACITY (W)	75					1963	2366	2849	3409
		70					1799	2185	2655	3205
		65			1615	1973	2419	2950	3563	4252
		60		1429	1748	2160	2661	3248	3915	4659
		55	1258	1527	1895	2355	2906	3541	4257	5051
		50	1330	1641	2051	2554	3147	3825	4584	5420
		45	1418	1765	2211	2751	3380	4094	4890	5763
		40	1516	1894	2370	2939	3599	4343	5169	6073
		35	1621	2022	2522	3115	3798	4567	5417	
		30	1725	2144	2661	3272	3972	4759		
	POWER INPUT (W)	25	1824	2254	2782	3405	4117			
		75					2000	2089	2162	2218
		70					1760	1853	1935	2003
		65			1538	1631	1717	1793	1857	1906
		60		1340	1429	1514	1593	1664	1724	1770
SE6018GS-0	COOLING CAPACITY (W)	55	1170	1249	1329	1406	1479	1545	1601	1644
		50	1096	1166	1237	1307	1374	1436	1488	1530
		45	1029	1089	1153	1216	1278	1335	1384	1424
		40	967	1019	1074	1132	1188	1241	1288	1326
		35	910	953	1001	1052	1104	1154	1198	
		30	856	890	932	977	1025	1071		
		25	803	830	865	906	949			
		75					2344	2824	3401	4069
		70					2148	2608	3169	3827
		65					1928	2355	2888	3522
	POWER INPUT (W)	60		1706	2086	2578	3177	3877	4674	5562
		55	1502	1823	2262	2812	3469	4227	5083	6030
		50	1587	1959	2448	3049	3757	4566	5473	6471
		45	1692	2108	2640	3284	4035	4888	5838	6880
		40	1810	2261	2829	3509	4296	5185	6171	7250
SE6021GS-0	COOLING CAPACITY (W)	35	1935	2414	3010	3719	4534	5452	6467	
		30	2060	2559	3177	3906	4742	5681		
		25	2178	2691	3322	4064	4915			
		75					2259	2359	2442	2505
		70					1987	2092	2185	2262
		65			1737	1842	1939	2025	2097	2153
		60		1513	1613	1710	1799	1879	1946	1998
		55	1321	1410	1500	1588	1670	1745	1808	1857
		50	1238	1316	1397	1476	1552	1621	1680	1727
		45	1162	1230	1302	1373	1443	1507	1563	1608
	POWER INPUT (W)	40	1093	1150	1213	1278	1342	1401	1454	1498
		35	1028	1076	1130	1188	1247	1303	1353	
		30	966	1005	1052	1104	1157	1210		
		25	907	938	977	1023	1072			
		75					2669	3216	3873	4634
SE6030GS-0	COOLING CAPACITY (W)	70					2446	2970	3609	4358
		65					2196	2682	3289	4011
		60		1943	2376	2936	3618	4415	5323	6335
		55	1710	2077	2576	3202	3950	4814	5788	6867
		50	1808	2231	2788	3473	4278	5200	6233	7369
		45	1927	2400	3006	3740	4595	5566	6648	7835
		40	2062	2575	3222	3996	4892	5905	7028	8256
		35	2204	2749	3428	4235	5163	6209	7364	
		30	2346	2915	3617	4448	5401	6470		
		25	2480	3065	3783	4629	5597			
	POWER INPUT (W)	75					2505	2616	2708	2778
		70					2203	2320	2423	2508
		65			1926	2043	2150	2246	2326	2387
		60		1678	1789	1896	1995	2084	2158	2216
		55	1465	1564	1664	1761	1852	1935	2005	2059
	POWER INPUT (W)	50	1373	1460	1549	1637	1721	1798	1863	1915
		45	1289	1364	1443	1523	1600	1671	1733	1783
		40	1211	1276	1345	1417	1488	1554	1613	1661
		35	1139	1193	1254	1318	1383	1445	1501	
		30	1071	1115	1167	1224	1283	1342		
	POWER INPUT (W)	25	1006	1040	1084	1134	1189			

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6026GS-0	COOLING CAPACITY (W)	75								3364
		70								4054
		65								4882
		60								5841
		55	2155	2617	3246	4036	497			

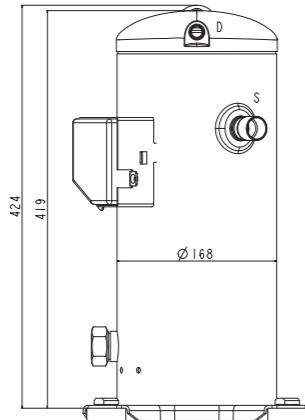
## R513A - MBP 3~ (Testing Voltage 380V/50Hz)

...FOLLOW

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6043GS-0	COOLING CAPACITY (W)	75				5570	6712	8083	9671	
		70				5105	6198	7531	9094	10874
		65			4583	5596	6863	8370	10108	12062
		60		4054	4958	6127	7550	9214	11108	13219
		55	3569	4333	5375	6683	8243	10046	12079	14330
		50	3772	4657	5819	7246	8928	10852	13006	15378
		45	4022	5009	6273	7804	9589	11616	13873	16350
		40	4302	5374	6723	8339	10209	12322	14666	17228
		35	4598	5737	7154	8837	10775	12956	15368	
		30	4895	6083	7549	9282	11270	13502		
		25	5176	6395	7894	9659	11680			
SE6053GS-0	POWER INPUT (W)	75				4966	5185	5368	5507	
		70				4368	4599	4803	4973	5103
		65			3818	4049	4263	4452	4611	4732
		60		3327	3547	3758	3955	4131	4279	4393
		55	2904	3100	3298	3491	3672	3835	3974	4082
		50	2721	2894	3071	3246	3412	3564	3694	3797
		45	2555	2704	2861	3019	3172	3313	3436	3535
		40	2402	2529	2667	2809	2949	3081	3197	3293
		35	2259	2365	2485	2612	2741	2864	2975	
		30	2124	2210	2313	2427	2544	2660		
		25	1994	2061	2148	2249	2357			
SE6056GS-0	COOLING CAPACITY (W)	75				6750	8134	9795	11720	
		70				6186	7511	9127	11021	13178
		65			5554	6782	8317	10144	12249	14618
		60		4913	6009	7426	9150	11166	13461	16020
		55	4325	5251	6514	8098	9990	12175	14638	17366
		50	4571	5643	7052	8782	10820	13151	15762	18637
		45	4874	6070	7602	9457	11620	14077	16813	19814
		40	5214	6512	8148	10106	12373	14933	17773	20879
		35	5573	6952	8669	10709	13058	15701	18624	
		30	5932	7371	9148	11249	13658	16362		
SE6067GS-0	POWER INPUT (W)	25	6272	7750	9566	11705	14154			
		75				6018	6284	6505	6674	
		70				5293	5574	5821	6027	6184
		65			4627	4907	5166	5395	5588	5735
		60		4032	4298	4554	4793	5006	5185	5324
		55	3519	3757	3997	4231	4450	4648	4816	4947
		50	3298	3507	3721	3933	4135	4319	4477	4601
		45	3096	3277	3467	3659	3844	4015	4164	4284
		40	2910	3065	3232	3404	3574	3733	3875	3990
		35	2737	2866	3012	3166	3322	3471	3605	
SE6078GS-0	COOLING CAPACITY (W)	25	2416	2498	2603	2725	2856			
		75				7110	8568	10318	12345	
		70				6517	7911	9614	11609	13881
		65			5850	7144	8761	10685	12903	15398
		60		5175	6329	7822	9638	11762	14179	16875
		55	4555	5532	6862	8530	10523	12824	15419	18292
		50	4815	5944	7428	9250	11397	13853	16602	19631
		45	5134	6394	8008	9962	12240	14828	17710	20871
		40	5492	6860	8583	10645	13033	15730	18721	21993
		35	5870	7323	9132	11281	13755	16539	19618	
SE6085GS-0	POWER INPUT (W)	25	6607	8164	10076	12330	14909			
		75				6339	6619	6852	7030	
		70				5576	5871	6131	6348	6514
		65			4874	5169	5442	5683	5886	6041
		60		4247	4527	4797	5048	5273	5462	5608
		55	3707	3958	4210	4456	4688	4896	5073	5211
		50	3474	3694	3920	4143	4356	4549	4716	4847
		45	3261	3452	3652	3854	4049	4229	4386	4512
		40	3066	3228	3404	3586	3765	3933	4081	4203
		35	2883	3019	3172	3335	3499	3656	3798	
SE6089GS-0	POWER INPUT (W)	30	2711	2821	2953	3098	3248	3395		
		25	2545	2631	2742	2871	3009			
		75				8736	10528	12678	15169	
		70				8007	9721	11813	14264	17056
		65			7188	8778	10764	13129	15854	18920
		60		6359	7777	9611	11842	14452	17422	20734
		55	5597	6797	8431	10482	12930	15758	18946	22476
		50	5916	7304	9127	11366	14004	17021	20400	24121
		45	6308	7856	9840	12240	15040	18219	21761	25645
		40	6748	8429	10546	13080	16014	19328	23004	27023
SE6067GS-0	COOLING CAPACITY (W)	35	7213	8998	11221	13861	16901	20322	241	

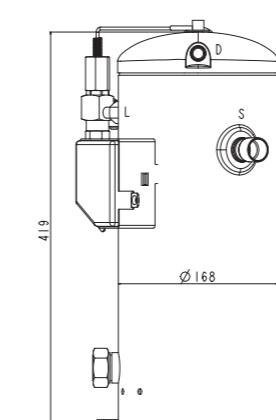
## EXTERNAL VIEWS

MBP\_2-6 HP



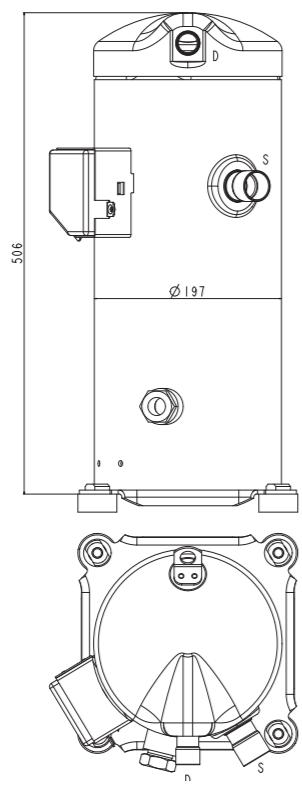
BRAZING	I.D. mm	MATERIAL
S - SUCTION	22.35 - 22.45	COPPER PLATED STEEL
D - DISCHARGE	12.87 - 12.97	COPPER PLATED STEEL
ROTOLOCK	I.D. inches	MATERIAL
S - SUCTION	1 1/4 12UNF2A	STEEL
D - DISCHARGE	3/4 16UNF2A	STEEL

LBP\_2-6 HP



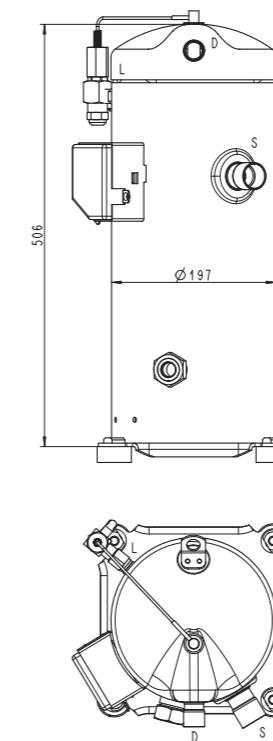
BRAZING	I.D. mm	MATERIAL
S - SUCTION	22.35 - 22.45	COPPER PLATED STEEL
D - DISCHARGE	12.87 - 12.97	COPPER PLATED STEEL
L - LIQUID INJ.	3/8"	COPPER PLATED STEEL
ROTOLOCK	I.D. inches	MATERIAL
S - SUCTION	1 1/4 12UNF 2A	STEEL
D - DISCHARGE	3/4 16UNF 2A	STEEL
L - LIQUID INJ.	3/8	STEEL

MBP\_7-13 HP



BRAZING	I.D. mm	MATERIAL
S - SUCTION	28.83 - 28.93	COPPER PLATED STEEL
D - DISCHARGE	22.35 - 22.45	COPPER PLATED STEEL
ROTOLOCK	I.D. inches	MATERIAL
S - SUCTION	1 3/4 12UN	STEEL
D - DISCHARGE	1 1/4 12UNF 2A	STEEL

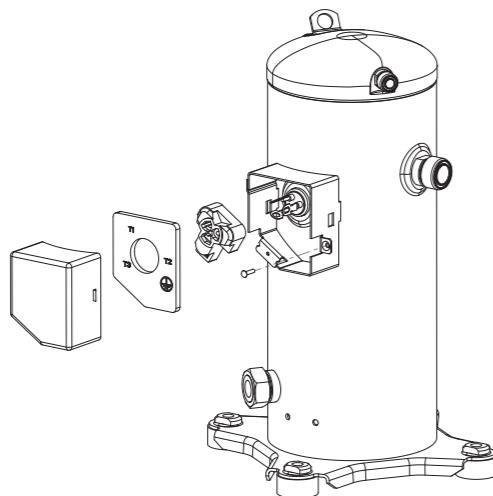
LBP\_8-12 HP



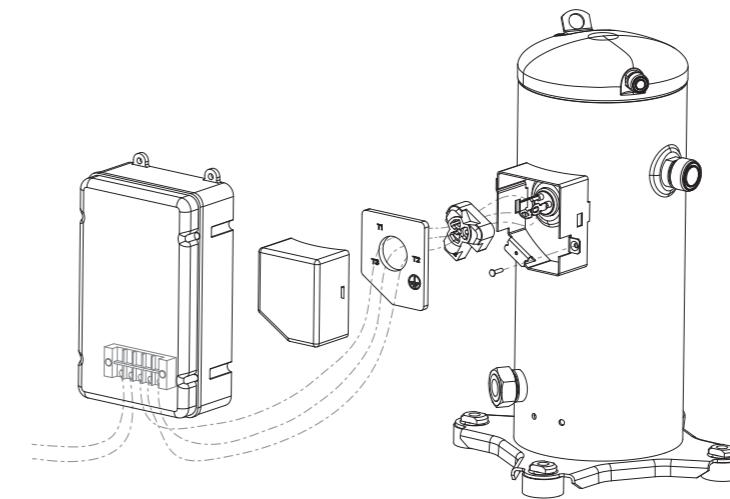
BRAZING	I.D. mm	MATERIAL
S - SUCTION	28.83 - 28.93	COPPER PLATED STEEL
D - DISCHARGE	22.35 - 22.45	COPPER PLATED STEEL
L - LIQUID INJ.	3/8"	COPPER PLATED STEEL
ROTOLOCK	I.D. inches	MATERIAL
S - SUCTION	1 3/4 12UN	STEEL
D - DISCHARGE	1 1/4 12UNF 2A	STEEL
L - LIQUID INJ.	3/8	STEEL

## WIRING DIAGRAMS

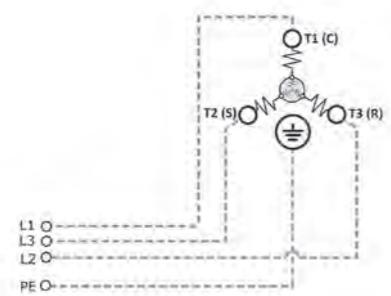
SM31\_3 PHASE



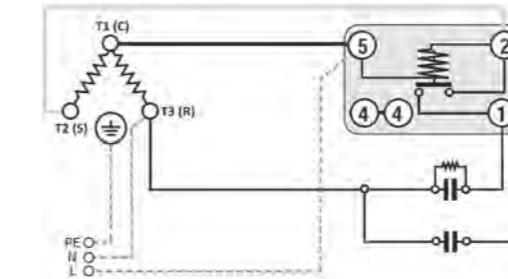
SM30 - CSR SINGLE PHASE



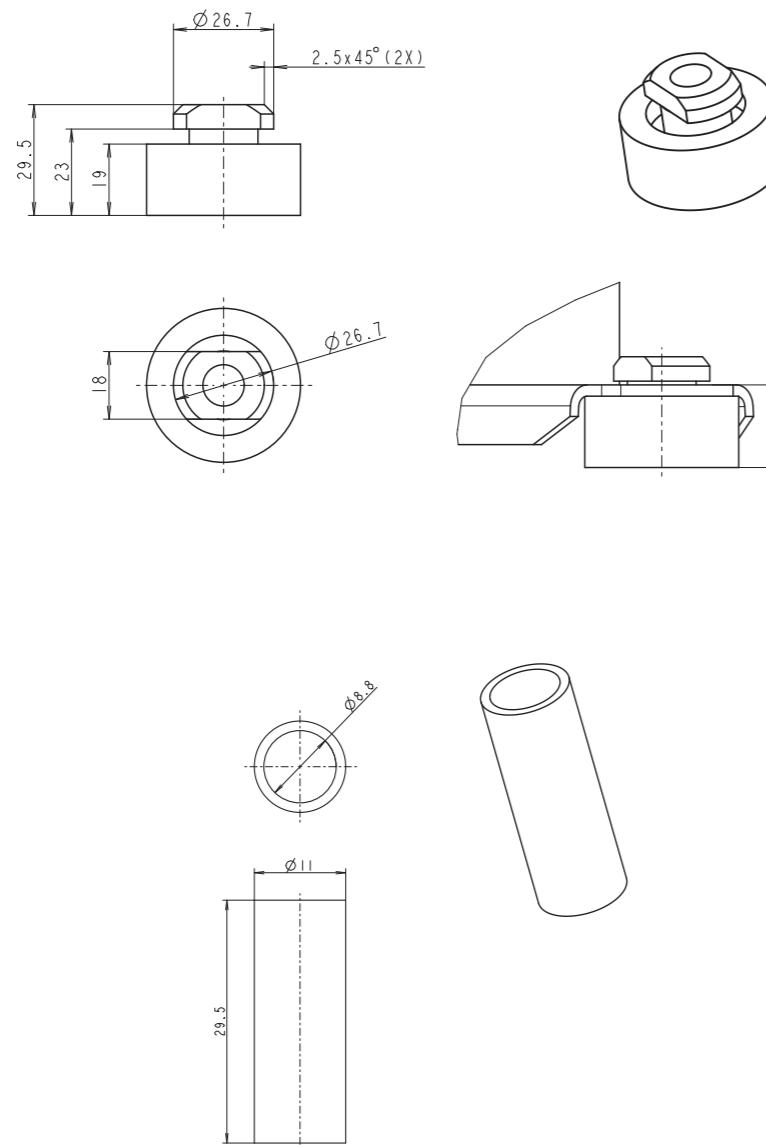
### WIRING DIAGRAMS KEY



	POTENTIAL RELAY
	RUN CAPACITOR
	START CAPACITOR
	3-PHASE MOTOR
	SINGLE PHASE MOTOR
	EARTH CONNECTION



## GROMMET AND SLEEVES



Components of external suspension system are supplied partly by Embraco (rubber grommets and sleeves) while remaining components for their blocking - screws, washers, nuts, have to be sourced by customer.

It is recommended to use screw M10 and tightening torque 12-14Nm.

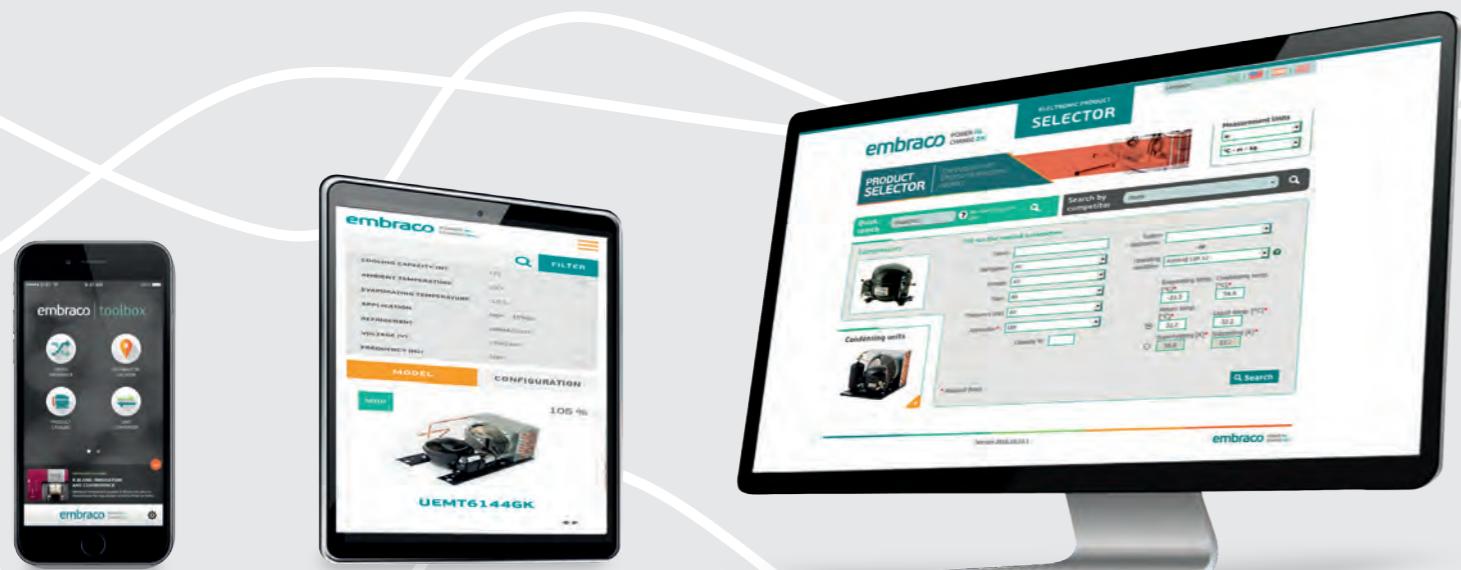
## RACK SYSTEM

The usage of standard grommets is not recommended for scroll rack installations. Special grommets should be used, formulated from a hardened material specifically designed for refrigeration applications.

## OIL SIGHT GLASS



Compressors are delivered with oil sight glass already assembled on compressor. Dimension of sight glass 1 1/4"-12UNF, recommended tightening torque 55-60Nm.



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