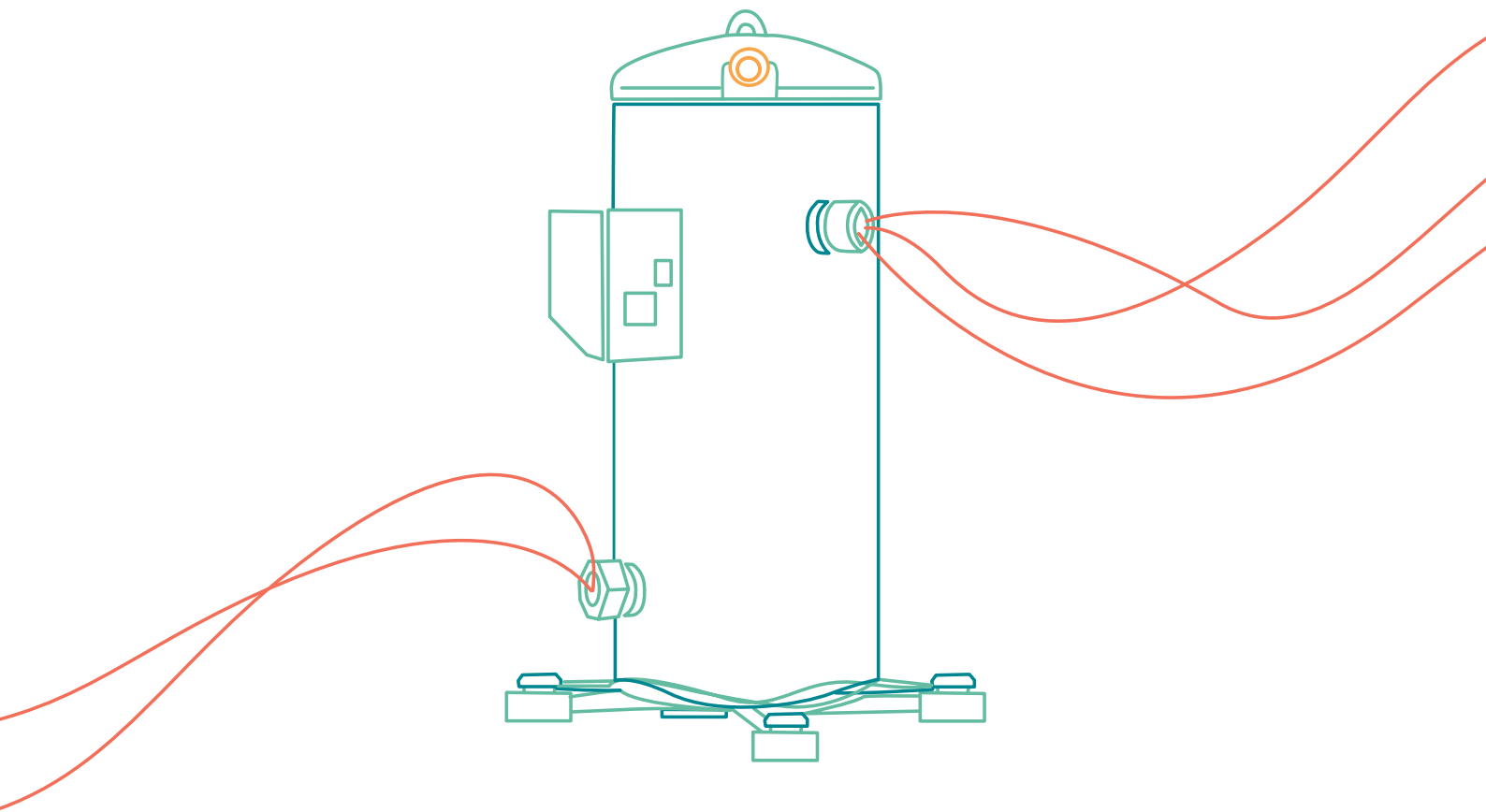


SCROLL COMPRESSORS

COMMERCIAL REFRIGERATION

FOR 50Hz

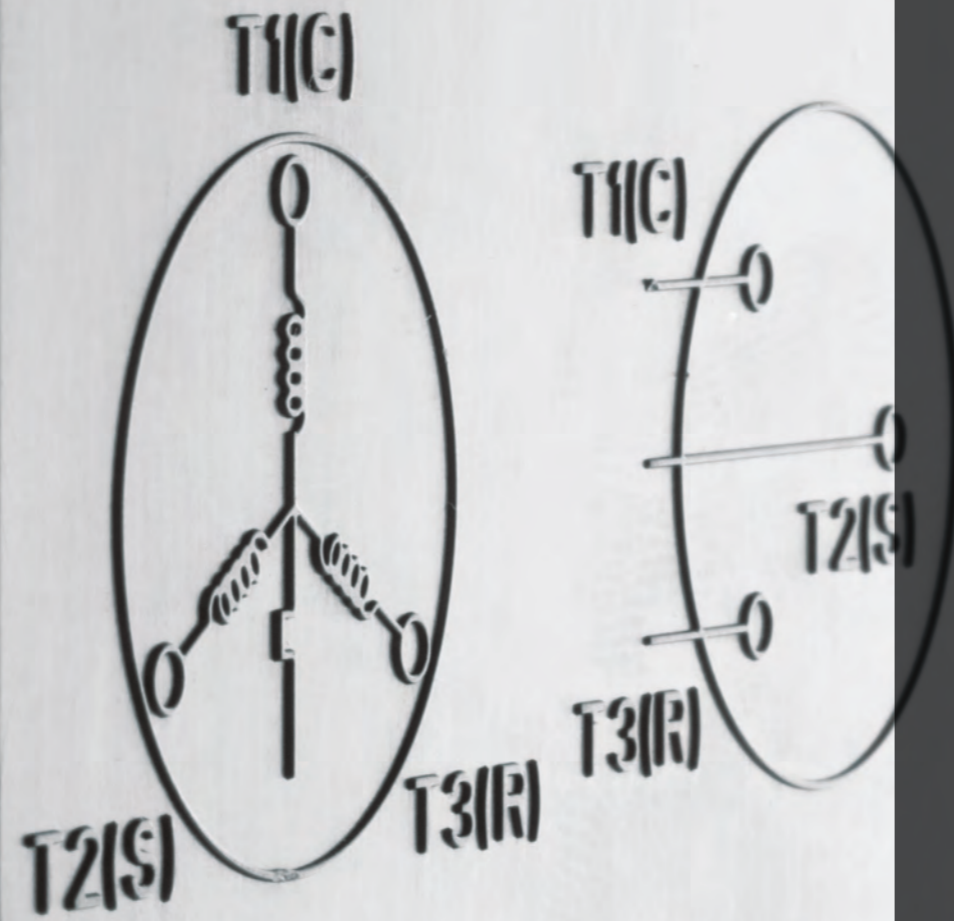


Multi-Refrigerant Platform

● R404A ● R449A ● R452A

● R448A ● R134a ● R513A

embraco



01 ABOUT EMBRACO

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06 DIGITAL TOOLS

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



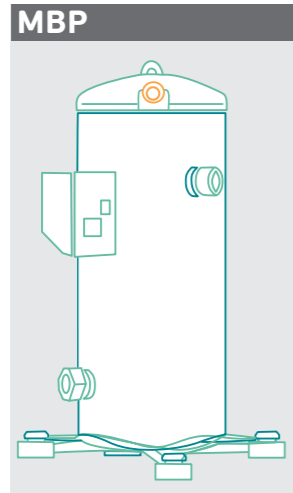
- Robust and Reliable
Technology proven for
commercial applications



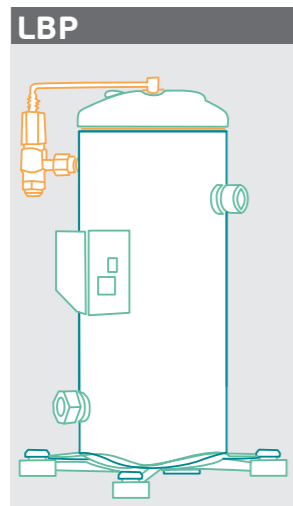
- Silent Operation



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.

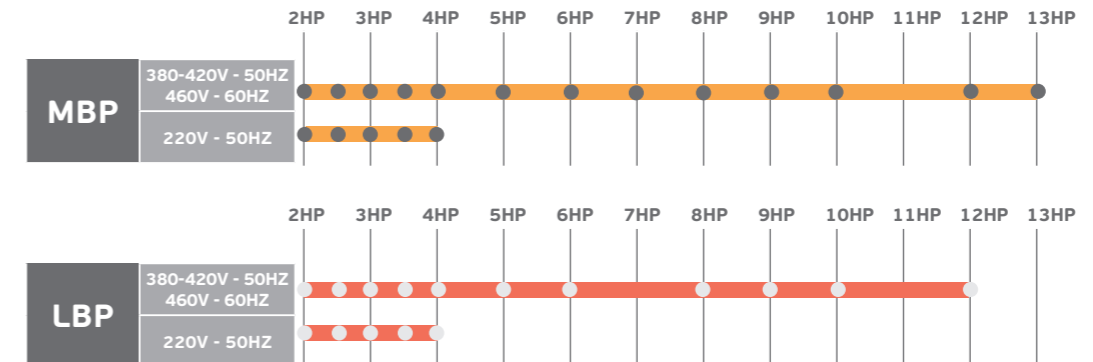
EXCELLENT PERFORMANCE

- 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 cm ³ /REV	DISPLACEMENT m ³ /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
SE6067GS-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 cm ³ /REV	DISPLACEMENT m ³ /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 cm ³ /REV	DISPLACEMENT m ³ /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

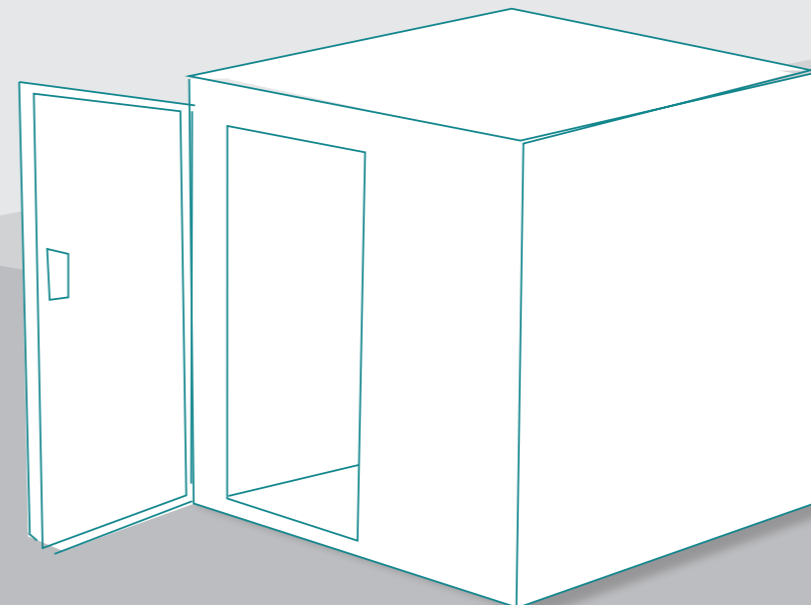
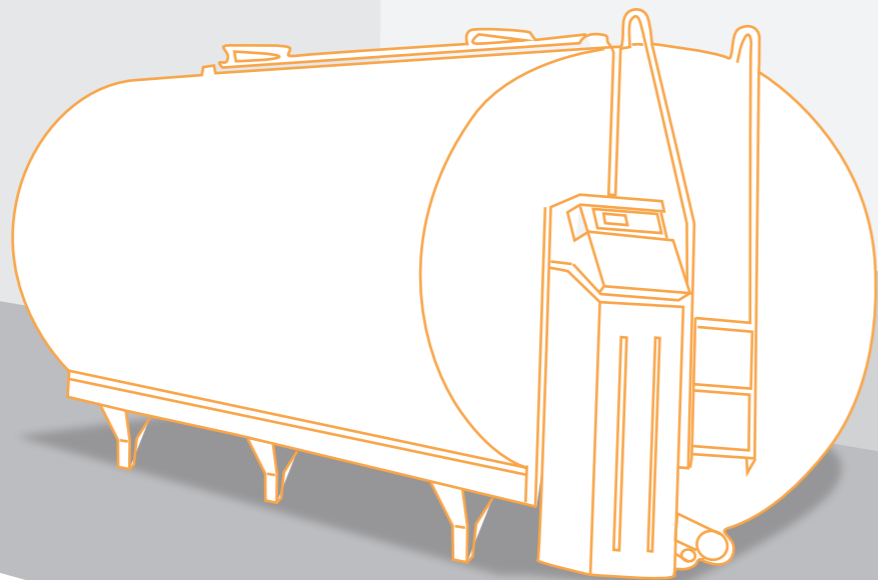
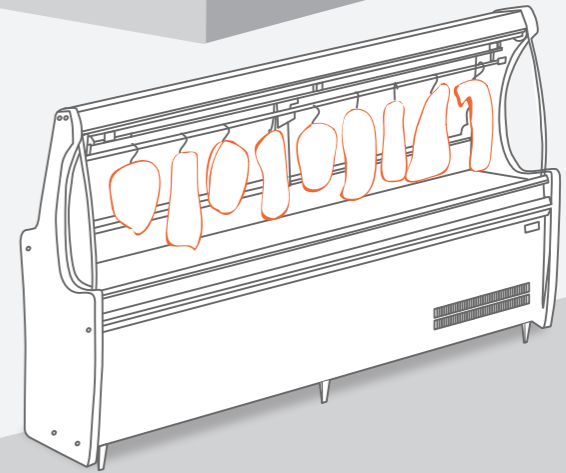
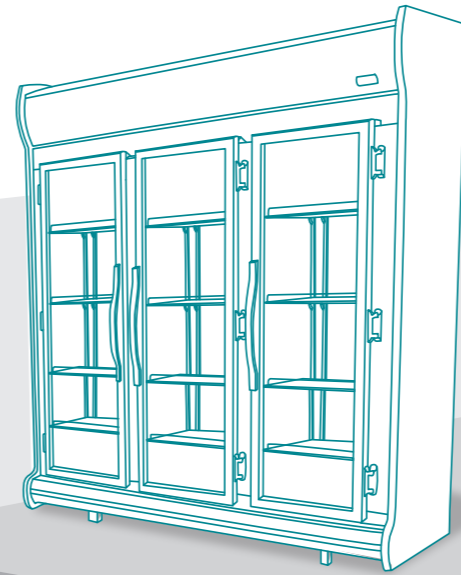
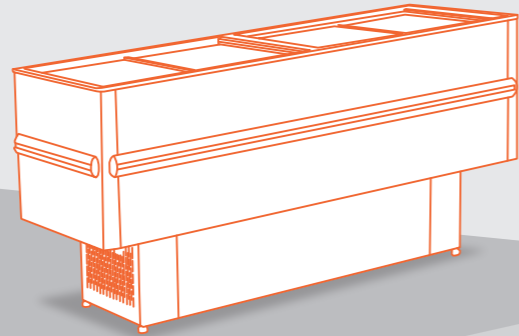
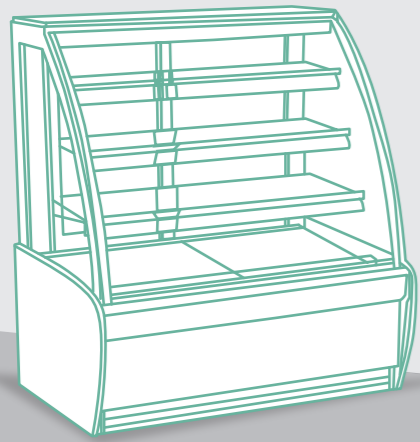
1 ~ 220V 50Hz

MODEL	HP	SWEPT VOLUME cm ³ /REV	DISPLACEMENT m ³ /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

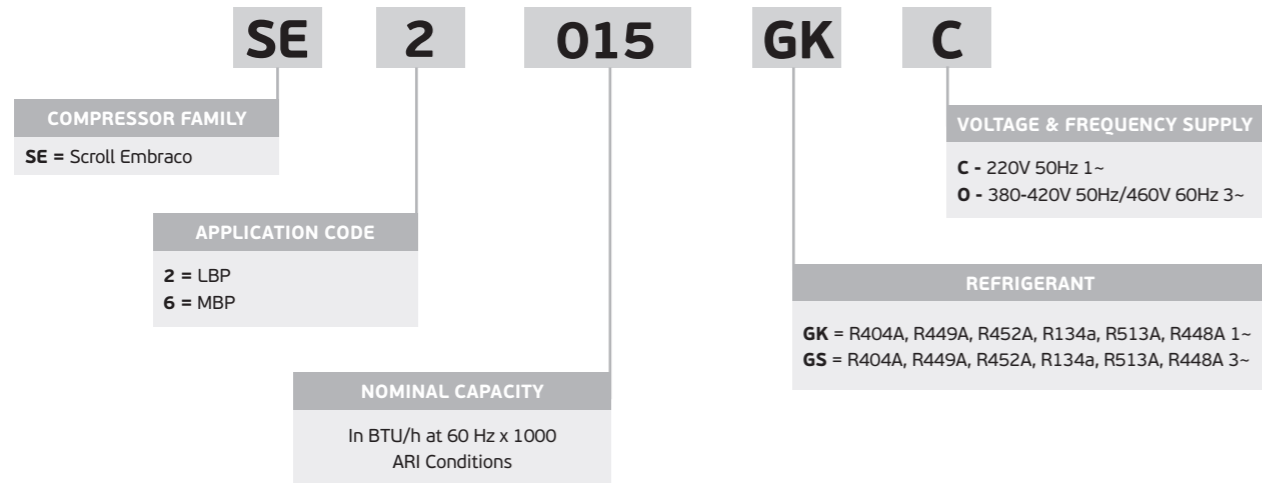
APPLICATIONS

Our product range is optimized and tested in the field for various applications: commercial and professional cabinets, supermarkets, convenience stores, food retails, 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.

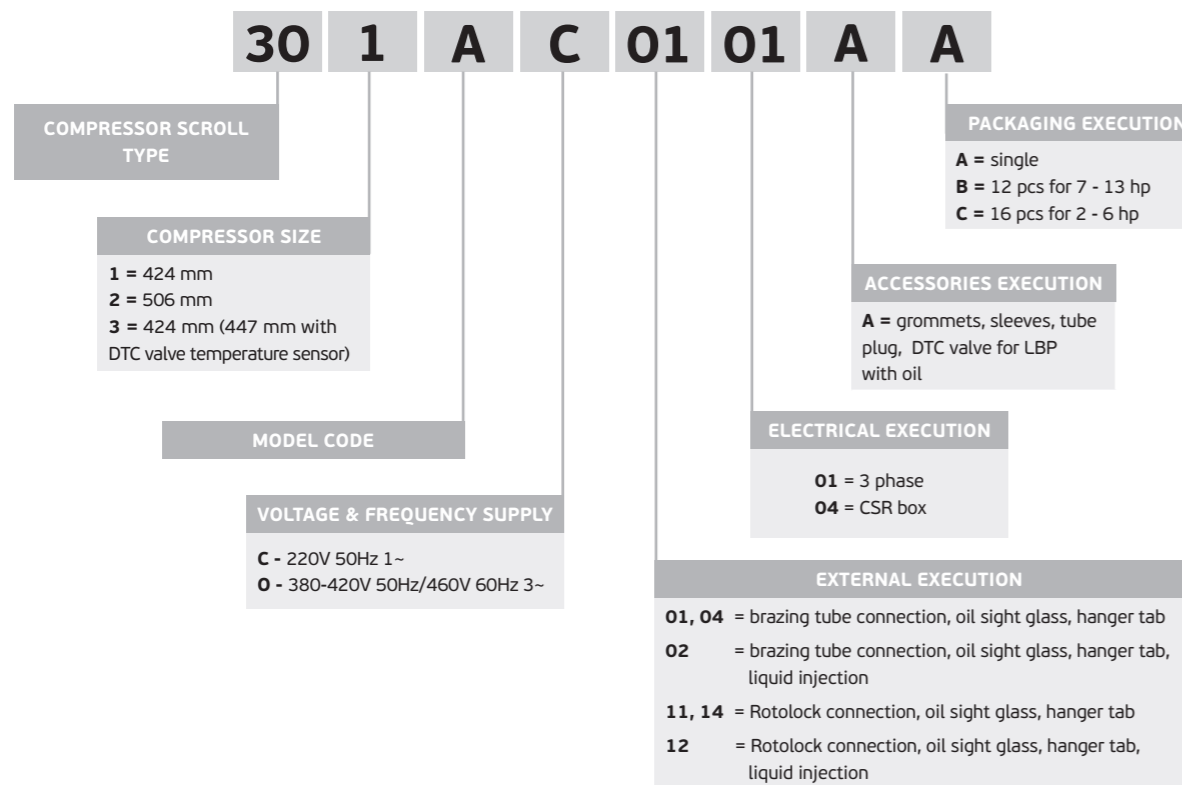


NOMENCLATURE

MODEL DESCRIPTION



COMPRESSOR BILL OF MATERIAL

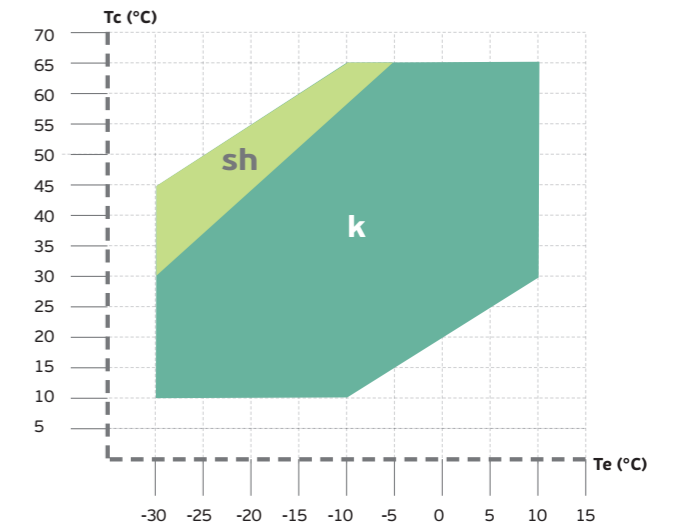


OPERATING ENVELOPE

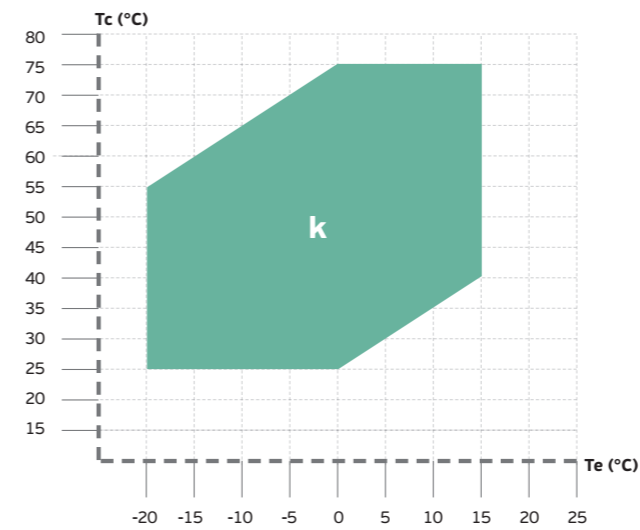
MBP - R404A/R452A



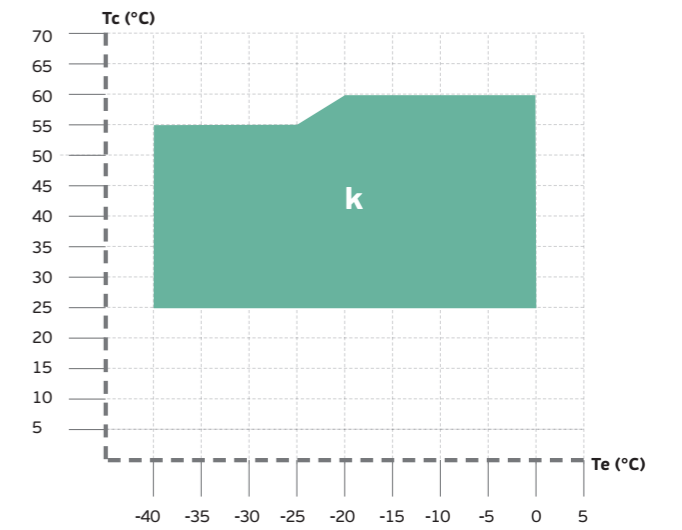
MBP - R449A/R448A



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
CSR Capacitive Start & Run (*)	√	√	√	√	11 AWG
3-Phases (**)	√	-	-	-	-

(*) 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
MBP	SE6015GK-C	160µF 330V	60µF 450V	HLR3800-3E3D
	SE6018GK-C	160µF 330V	60µF 450V	HLR3800-3E3D
	SE6021GK-C	160µF 330V	60µF 450V	HLR3800-3E3D
	SE6026GK-C	250µF 330V	80µF 450V	HLR3800-3H3D
	SE6030GK-C	250µF 330V	80µF 450V	HLR3800-3H3D
LBP	SE2006GK-C	160µF 330V	60µF 450V	HLR3800-3E3D
	SE2008GK-C	160µF 330V	60µF 450V	HLR3800-3E3D
	SE2010GK-C	160µF 330V	60µF 450V	HLR3800-3E3D
	SE2012GK-C	250µF 330V	80µF 450V	HLR3800-3H3D
	SE2014GK-C	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 (±10%) AT 25°C (Ω)
MBP	SE6015GS-0	3.1	22	5.2	6.7
	SE6018GS-0	4.4	45	6.4	3.3
	SE6021GS-0	4.6	45	6.9	3.3
	SE6026GS-0	6	60	9.2	3.3
	SE6030GS-0	6.4	60	10.3	2.45
	SE6036GS-0	7.1	60	12.2	2.45
	SE6043GS-0	8.2	65	14.3	1.9
	SE6053GS-0	10.9	117	17.3	1.09
	SE6056GS-0	11.2	117	18.4	1.09
	SE6067GS-0	12.6	117	21	1.09
	SE6078GS-0	13.7	121	23.6	1.06
	SE6085GS-0	14.5	121	26.5	1.06
	SE6089GS-0	15.1	121	27.6	1.06
LBP	SE2006GS-0	2.2	22	3.8	6.7
	SE2008GS-0	2.6	22	4.4	6.7
	SE2010GS-0	4	45	5.8	3.3
	SE2012GS-0	5.2	60	7.5	2.45
	SE2014GS-0	5.6	60	8.8	2.45
	SE2017GS-0	5.9	60	10.3	2.45
	SE2020GS-0	6.6	60	12.1	1.9
	SE2023GS-0	9	117	18	1.09
	SE2028GS-0	9.6	117	20.1	1.09
	SE2031GS-0	10.3	121	22.7	1.09
	SE2039GS-0	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 (±10%) AT 25°C (Ω)	START WINDING RESISTANCE (±10%) AT 25°C (Ω)
MBP	SE6015GK-C	8.4	76	16.2	0.7	1.4
	SE6018GK-C	9.8	76	17.2	0.7	1.4
	SE6021GK-C	10.9	76	19	0.7	1.4
	SE6026GK-C	13.3	109	25.7	0.5	1.3
	SE6030GK-C	14.6	109	28.1	0.5	1.3
LBP	SE2006GK-C	5.1	76	13.4	0.7	1.4
	SE2008GK-C	6.6	76	14.2	0.7	1.4
	SE2010GK-C	7.7	76	16.2	0.7	1.4
	SE2012GK-C	9.9	109	21.3	0.5	1.3
	SE2014GK-C	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

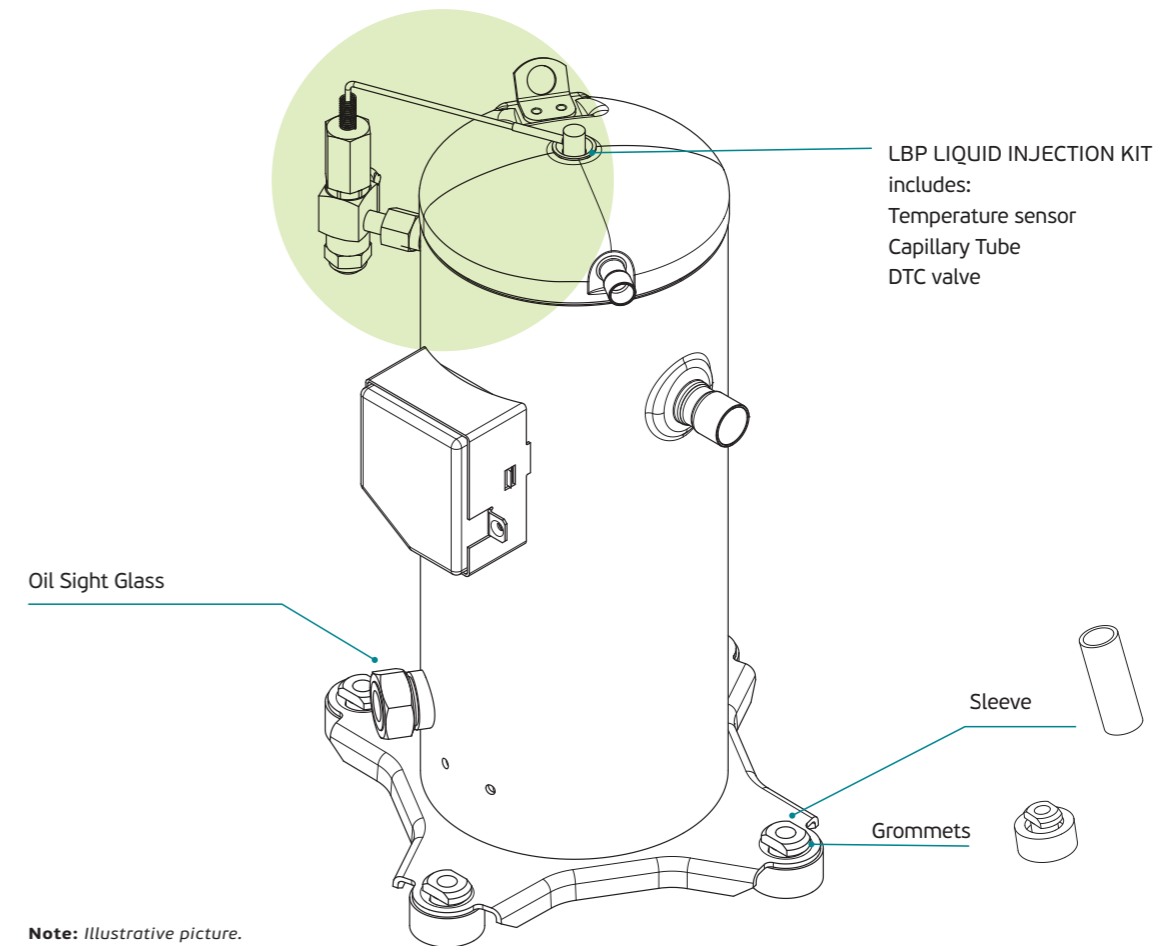
VOLTAGE & FREQUENCY

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

TEST CONDITIONS

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

ACCESSORIES (INCLUDED)



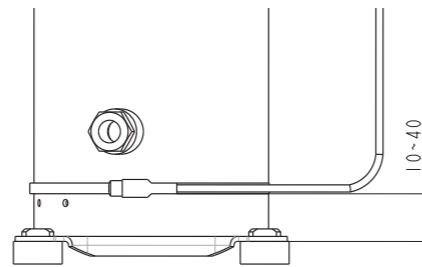
ADDITIONAL CONNECTIONS

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)	LENGHT (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"	
	7/8"	
	1 1/8"	
1 3/4"-12UN	1 1/8"	120
	1 3/8"	

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	
	C	16	1100 x 1100 x 560	

IDENTIFICATION LABEL

Oil type

Oil charge

LS/HS = pressure of the low side/high side of the compressor (in bar)

Compressor model

Bill of Materials code

Serial Number

Displacement

Rated Load Amps (RLA)

Locked Rotor Amps (LRA)

Voltage & Frequency

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

MODEL	HP	SWEPT VOLUME cm ³ / REV	DISPLACEMENT m ³ / h	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
				COOLING CAPACITY (W)	POWER INPUT (W)	COP (W/W)	SOUND POWER LEVEL (dBA)	OIL INITIAL CHARGE VOLUME (L)	OIL RECHARGE VOLUME (L)													
SE6015GS-O	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-O
SE6018GS-O	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-O
SE6021GS-O	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-O
SE6026GS-O	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-O
SE6030GS-O	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-O
SE6036GS-O	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-O
SE6043GS-O	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-O
SE6053GS-O	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-O
SE6056GS-O	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-O
SE6067GS-O	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-O
SE6078GS-O	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-O
SE6085GS-O	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-O
SE6089GS-O	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-O

R449A - MBP - 220V 50Hz 1~

MODEL	HP	SWEPT VOLUME cm ³ / REV	DISPLACEMENT m ³ / h	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
				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.

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

MODEL	HP	SWEPT VOLUME cm ³ / REV	DISPLACEMENT m ³ / h	EN12900 TE -35°C; TC 40°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
				COOLING CAPACITY (W)	POWER INPUT (W)	COP (W/W)	SOUND POWER LEVEL (dBA)	OIL INITIAL CHARGE VOLUME (L)	OIL RECHARGE VOLUME (L)													
SE2006GS-O	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-O
SE2008GS-O	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-O
SE2010GS-O	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-O
SE2012GS-O	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-O
SE2014GS-O	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-O
SE2017GS-O	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-O
SE2020GS-O	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-O
SE2023GS-O	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-O
SE2028GS-O	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-O
SE2031GS-O	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-O
SE2039GS-O	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-O

R449A - LBP - 220V 50Hz 1~

MODEL	HP	SWEPT VOLUME cm ³ / REV	DISPLACEMENT m ³ / h	EN12900 TE -35°C; TC 40°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
				COOLING CAPACITY (W)	POWER INPUT (W)	COP (W/W)	SOUND POWER LEVEL (dBA)	OIL INITIAL CHARGE VOLUME (L)	OIL RECHARGE VOLUME (L)													
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

Note: Subject to modification without prior notification.

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
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
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

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	2963	3100	3232
		40	1985	2083	2194	2316	2443	2574	2704	2830	2949
		35	1800	1896	2004	2120	2240	2362	2481	2594	2697
SE2014GK-C	COOLING CAPACITY (W)	60				3120	3829	4696	5744	6995	8474
		55	1842	2255	2761	3381	4141	5062	6167	7480	9024
		50	1952	2409	2962	3633	4448	5427	6595	7974	9588
		45	2038	2543	3148	3875	4749	5791	7026	8476	10164
		40	2099	2656	3317	4105	5042	6153	7459	8984	10750
		35	2133	2747	3469	4322	5328	6510	7892	9497	11347
		30	2139	2815	3603	4524	5603	6862	8325	10014	11952
		25	2116	2858	3715	4711	5867	7208	8755	10533	12564
	POWER INPUT (W)	60				3872	4020	4179	4347	4518	4689
		55	3052	3150	3268	3403	3551	3709	3872	4036	4199
		50	2666	2767	2888	3023	3169	3322	3479	3635	3788
		45	2357	2461	2581	2714	2856	3004	3152	3298	3439
		40	2112	2216	2335	2464	2600	2739	2877	3012	3138
		35	1915	2017	2132	2255	2384	2513	2639	2760	2870

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

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
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
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

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				3627	3780	3942	4111	4284	4459
		55	2867	2984	3115	3258	3410	3570	3736	3904	4073
		50	2558	2677	2808	2949	3099	3254	3413	3574	3734
		45	2305	2423	2551	2688	2832	2981	3132	3283	3432
		40	2096	2209	2333	2464	2600	2739	2879	3018	3153
		35	1917	2025	2141	2263	2388	2516	2642	2766	2885
SE2014GK-C	COOLING CAPACITY (W)	60				3034	3686	4490	5467	6640	8030
		55	1859	2259	2751	3359	4104	5009	6095	7384	8900
		50	1981	2439	2997	3679	4505	5500	6683	8079	9709
		45	2123	2627	3240	3985	4882	5955	7226	8716	10449
		40	2277	2817	3473	4269	5227	6367	7714	9288	11113
		35	2435	3000	3689	4526	5532	6729	8140	9787	11693
		30	2590	3168	3879	4746	5789	7033	8497	10206	12181
		25	2735	3315	4037	4922	5992	7270	8778	10537	12571
	POWER INPUT (W)	60				3859	4022	4195	4374	4558	4745
		55	3050	3175	3314	3466	3629	3799	3975	4154	4333
		50	2722	2848	2987	3138	3297	3462	3632	3803	3973
		45	2453	2578	2714	2860	3014	3172	3332	3493	3651
		40	2230	2351	2482	2621	2766	2914	3063	3211	3355
		35	2040	2154	2278	2407	2541	2677	2812	2943	3070

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

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	10081
		30	2233	2793	3481	4305	5270	6385	7655	9089	10693
	25	2348	2931	3650	4514	5529	6703	8041	9552	11242	
	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	10152
		40	2280	2861	3571	4417	5408	6552	7857	9331	10983
		35	2449	3069	3829	4735	5797	7023	8420	9996	11761
		30	2605	3259	4061	5022	6148	7449	8931	10604	12475
	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

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

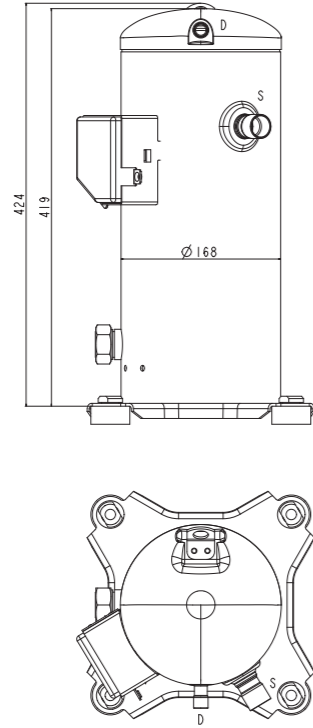
MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6015GK-C	COOLING CAPACITY (W)	75					2070	2525	3057	3661
		70				1827	2258	2770	3359	4022
		65			1580	1975	2456	3019	3661	4377
		60		1347	1694	2132	2658	3267	3957	4723
		55	1146	1434	1818	2295	2860	3512	4244	5055
		50	1213	1531	1948	2459	3060	3748	4519	5369
		45	1292	1637	2081	2621	3253	3973	4777	5662
	POWER INPUT (W)	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
		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
SE6018GK-C	COOLING CAPACITY (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
		50	1448	1828	2326	2935	3653	4475	5395	6410
		45	1542	1954	2484	3129	3883	4742	5703	6759
	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
		50	1238	1311	1390	1473	1554	1631	1700	1755
		45	1158	1225	1298	1373	1448	1516	1576	1624
SE6021GK-C	COOLING CAPACITY (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
		50	1649	2082	2648	3343	4160	5096	6144	7300
		45	1756	2225	2829	3563	4422	5401	6494	7697
	POWER INPUT (W)	75					2519	2642	2757	2862
		70				2208	2327	2444	2552	2649
		65			1930	2042	2155	2264	2366	2455
		60		1686	1788	1894	2000	2102	2195	2276
		55	1479	1566	1662	1761	1859	1953	2038	2110
		50	1378	1459	1548	1640	1731	1816	1892	1955
		45	1290	1364	1445	1529	1612	1688	1755	1808

MODEL	PARAMETER	CONDENSING TEMPERATURE (°C)	EVAPORATING TEMPERATURE (°C)							
			-20	-15	-10	-5	0	5	10	15
SE6026GK-C	COOLING CAPACITY (W)	75					3546	4327	5238	6273
		70				3131	3869	4747	5756	6892
		65			2708	3384	4208	5173	6272	7501
		60		2308	2902	3653	4554	5598	6780	8093
		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)	75					3077	3227	3368	3496
		70				2697	2843	2985	3117	3236
		65			2357	2495	2633	2766	2889	2998
		60		2060	2184	2313	2443	2567	2681	2780
		55	1806	1913	2030	2151	2271	2386	2489	2577
		50	1684	1783	1891	2003	2114	2218	2311	2387
		45	1575	1666	1765	1868	1969	2062	2144	2208
SE6030GK-C	COOLING CAPACITY (W)	75					4023	4909	5942	7116
		70				3552	4390	5385	6530	7818
		65			3072	3839	4773	5868	7116	8509
		60		2619	3292	4144	5166	6351	7692	9181
		55	2228	2787	3533	4460	5560	6826	8250	9826
		50	2357	2977	3787	4780	5948	7286	8784	10436
		45	2511	3181	4045	5095	6323	7722	9285	11005
	POWER INPUT (W)	75					3373	3537	3692	3832
		70				2957	3117	3272	3418	3547
		65			2584	2735	2886	3032	3168	3287
		60		2258	2394	2536	2678	2814	2939	3047
		55	1980	2097	2225	2358	2490	2615	2729	2825
		50	1846	1954	2073	2196	2317	2432	2534	2617
		45	1727	1826	1935	2048	2158	2261	2350	2421

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

EXTERNAL VIEWS

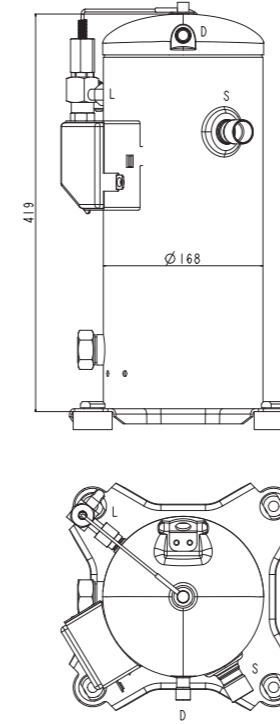
MBP_2-6 HP



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

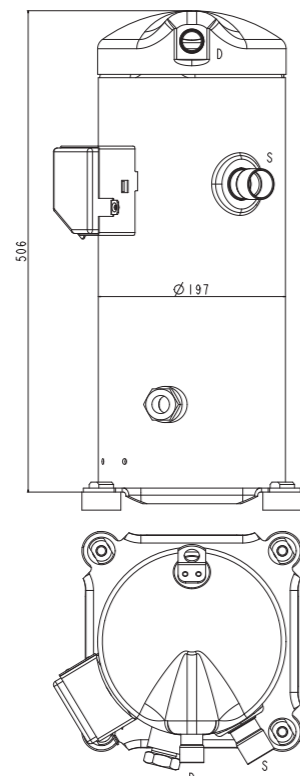
LBP_2-6 HP



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

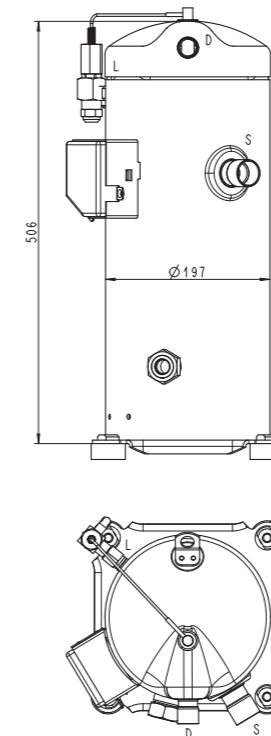
MBP_7-13 HP



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

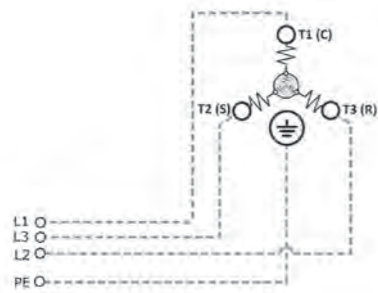
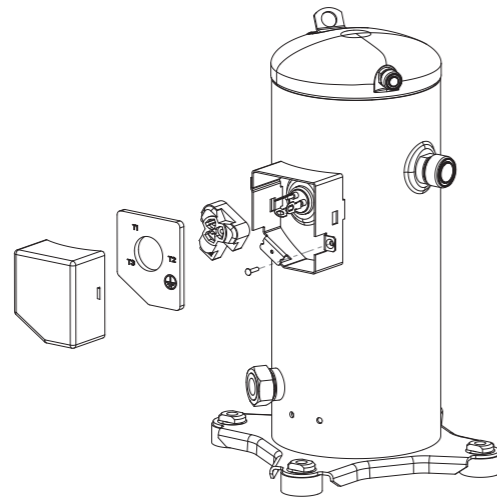


BRAZING	I.D. mm	MATERIAL
S - SUCTION	28.83 - 28.93	COPPER PLATED STEEL
D - DISCHARGE	22.35 - 22.45	COPPER PLATED STEEL
L - LIQUID INJ.	3/8"	COPPER PLATED STEEL







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

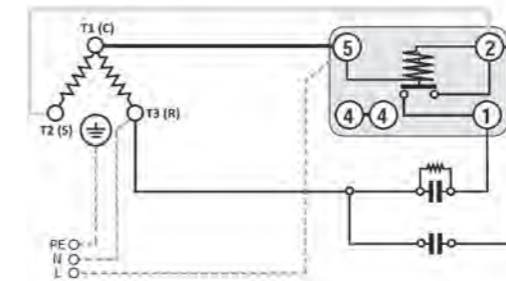
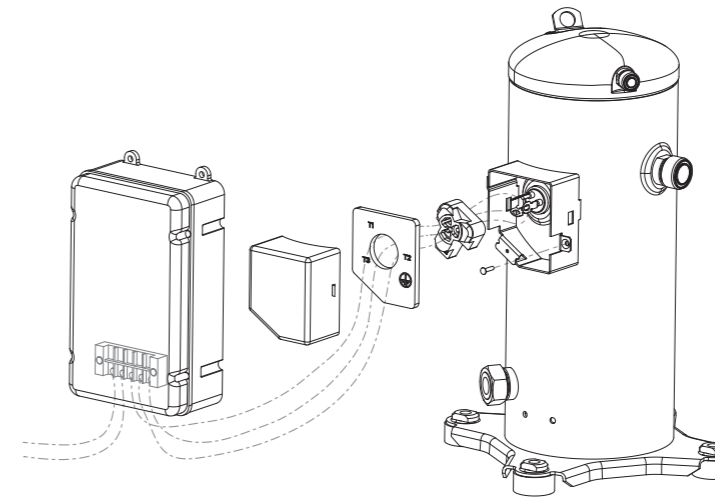
SM31_3 PHASE



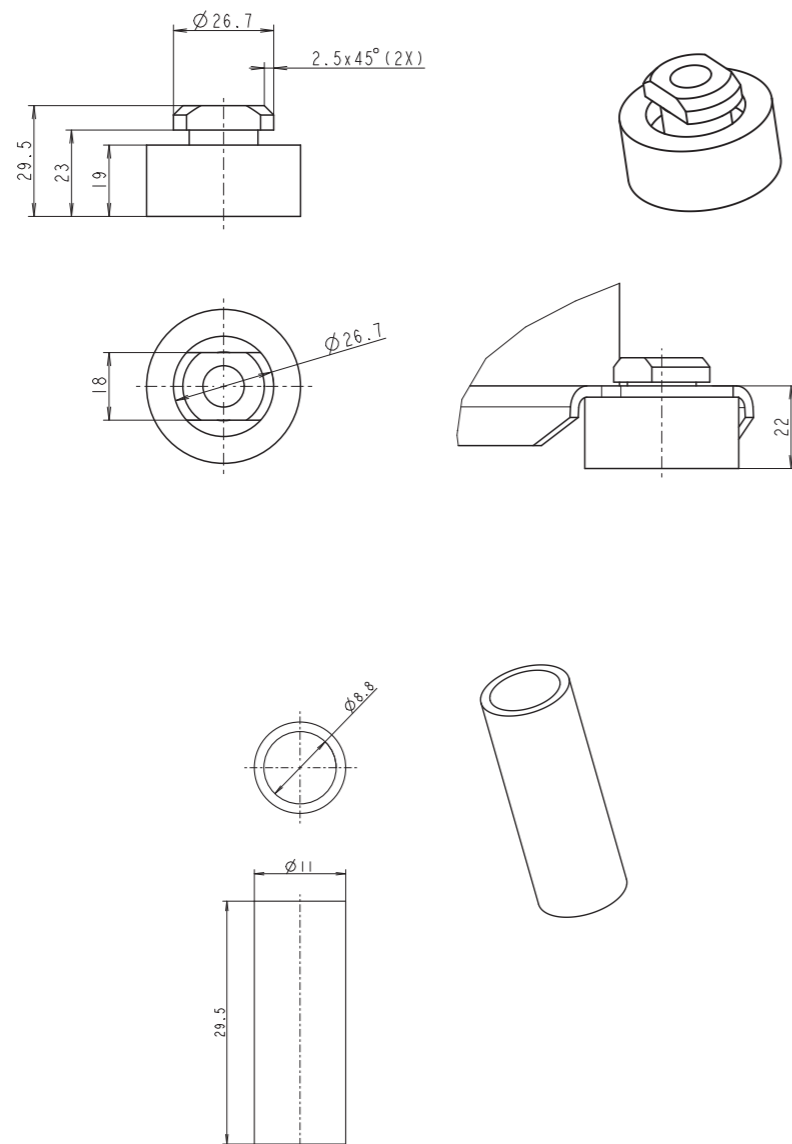
WIRING DIAGRAMS KEY

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

SM30 - CSR SINGLE PHASE



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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