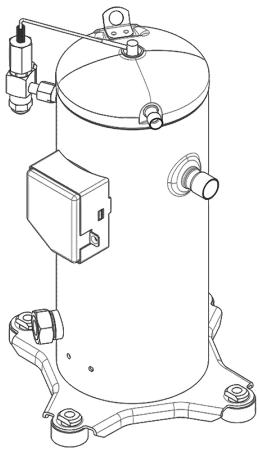


SE2012GK-C



ENGINEERING CODE
303GC0204AA



REFRIGERANT
R-404A



POWER SUPPLY
220 V 50 Hz 1~



APPLICATION
LBP



MOTOR TYPE
CSR



STANDARD
EN12900



COOLING CAPACITY
2507 W



EFFICIENCY
1.09 W/W

DATA

GENERAL DATA

Model	SE2012GK-C
Type	Hermetic Scroll Compressor
Technology	On-Off
Compressor application	LBP
Compressor cooling	Static
HP	3.5

ELECTRICAL DATA

Voltage range 50Hz	198-242 V
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ELECTRICAL COMPONENTS

CSR CSIR BOX	yes
Starting device type	Potential Relay
Overload protection	Internal Protector 15HM2512-XX
Run capacitor	80 µf (450 V)
Start capacitor	250 µf (330 V)

MECHANICAL DATA

Displacement	10.10 m³/h (58.05 cm³/rev)
Free volume high	1 L
Free volume low	3.2 L
High side pressure	3.2 MPa
Low side pressure	2 MPa
Max discharge temperature	120 °C
Oil charge	1.4 L
Oil Recharge	1.25 L
Oil Circulation	0.01 %
Oil type	POE
Height	430.9 mm
Weight	33 Kg
Rated speed	2900 RPM

EXTERNAL CHARACTERISTICS

Base Plate Holes	190.5x190.5
Base plate dimensions	239x239

Connector	Internal diameter	Shape	Material
Suction	ID 22.4 mm	Brazing	Copper plated steel tube
Discharge	ID 12.92 mm	Brazing	Copper plated steel tube

MOTOR DATA

Max motor temperature	130 °C
Motor insulation	B
Run winding resistance	0.6 Ω
Start winding resistance	1.4 Ω

ADDITIONAL COMPONENTS

Cover	yes
Cover gasket	yes
Grommets	yes
Grounding screw	yes
Hanger tab	yes
Liquid injection	3/8"
Sightglass	yes
Sleeves	yes

TESTED CONDITIONS

Tested refrigerant	R-404A
Tested application	LBP
Tested standard	EN12900
Tested cooling	Static
Tested voltage	220 V
Tested frequency	50Hz
Tested frequency	50Hz
Max refrigerant charge	3.5 Kg

RATED POINTS

Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
40	-35	2507	1.09	2294

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
-40	2133.00	1.08	1971.00
-35	2658.00	1.27	2086.00
-30	3304.00	1.50	2209.00
-25	4078.00	1.74	2338.00
-20	4986.00	2.02	2474.00
-15	6035.00	2.31	2614.00
-10	7233.00	2.62	2759.00
-5	8585.00	2.95	2908.00
0	10099.00	3.30	3060.00

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
-40	1859.00	0.79	2356.00
-35	2312.00	0.93	2481.00
-30	2867.00	1.10	2615.00
-25	3532.00	1.28	2757.00
-20	4314.00	1.48	2906.00
-15	5219.00	1.71	3061.00
-10	6254.00	1.94	3221.00
-5	7426.00	2.19	3386.00
0	8741.00	2.46	3555.00

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

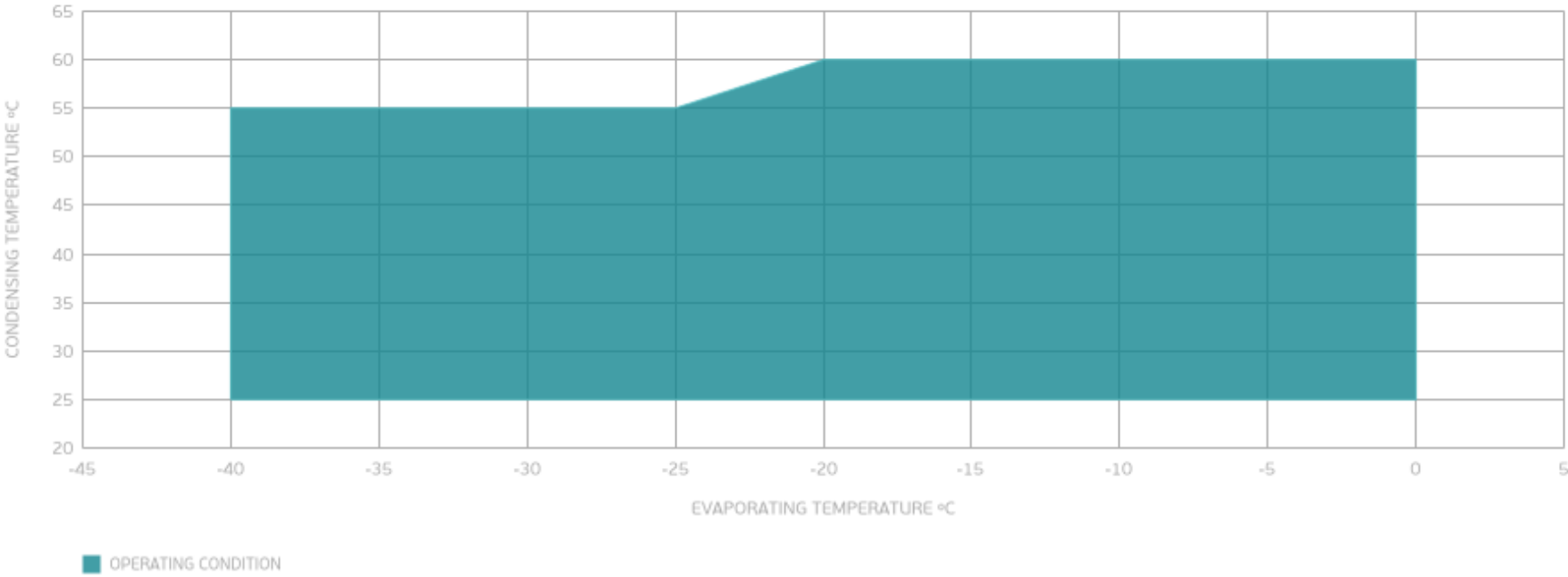
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
-40	1631.00	0.55	2962.00
-35	1989.00	0.64	3090.00
-30	2431.00	0.75	3227.00
-25	2966.00	0.88	3372.00
-20	3599.00	1.02	3526.00
-15	4338.00	1.18	3687.00
-10	5188.00	1.35	3855.00
-5	6157.00	1.53	4028.00
0	7252.00	1.72	4207.00

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS

