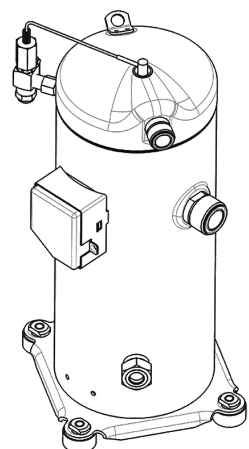


SE2031GS-0



ENGINEERING CODE
304C01301AA



REFRIGERANT
R-404A



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



APPLICATION
LBP



MOTOR TYPE
3 Phase



STANDARD
EN12900



COOLING CAPACITY
6980 W



EFFICIENCY
1.27 W/W

DATA

GENERAL DATA

Model	SE2031GS-0
Type	Hermetic Scroll Compressor
Technology	On-Off
Compressor application	LBP
Compressor cooling	Static
HP	10

ELECTRICAL DATA

Voltage range 50Hz	342-462 V
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ELECTRICAL COMPONENTS

Overload protection	Internal Protector 35HM571-XX
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MECHANICAL DATA

Displacement	29.10 m ³ /h (167.24 cm ³ /rev)
Free volume high	0.9 L
Free volume low	6.5 L
High side pressure	3.2 MPa
Low side pressure	2 MPa
Max discharge temperature	120 °C
Oil charge	3 L
Oil Recharge	2.85 L
Oil Circulation	0.01 %
Oil type	POE
Pressure valve opening (max)	3.1 MPa
Pressure valve opening (min)	2 MPa
Height	506.7 mm
Weight	54 Kg
Rated speed	2900 RPM

EXTERNAL CHARACTERISTICS

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

Connector	Internal diameter	Shape	Material
Suction	1 3/4" - 12 UN	Threaded	-
Discharge	1 1/4" - 12 UNF	Threaded	-

MOTOR DATA

Max motor temperature	130 °C
Motor insulation	B
Run winding resistance	1.1 Ω
Start winding resistance	1.1 Ω

ADDITIONAL COMPONENTS

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

PERFORMANCE

TESTED CONDITIONS

Tested refrigerant	R-404A
Tested application	LBP
Tested standard	EN12900
Tested cooling	Static
Tested voltage	380 V
Tested frequency	50Hz
Tested frequency	50Hz
Max refrigerant charge	7.5 Kg

RATED POINTS

Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
40	-35	6980	1.27	5509

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	5972.00	1.25	4783.00
-35	7478.00	1.47	5073.00
-30	9318.00	1.73	5372.00
-25	11511.00	2.03	5680.00
-20	14079.00	2.35	5998.00
-15	17043.00	2.69	6327.00
-10	20424.00	3.06	6668.00
-5	24243.00	3.45	7021.00
0	28520.00	3.86	7387.00

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	5165.00	0.91	5697.00
-35	6462.00	1.07	6023.00
-30	8042.00	1.27	6357.00
-25	9924.00	1.48	6700.00
-20	12131.00	1.72	7052.00
-15	14682.00	1.98	7415.00
-10	17599.00	2.26	7789.00
-5	20902.00	2.56	8175.00
0	24614.00	2.87	8573.00

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

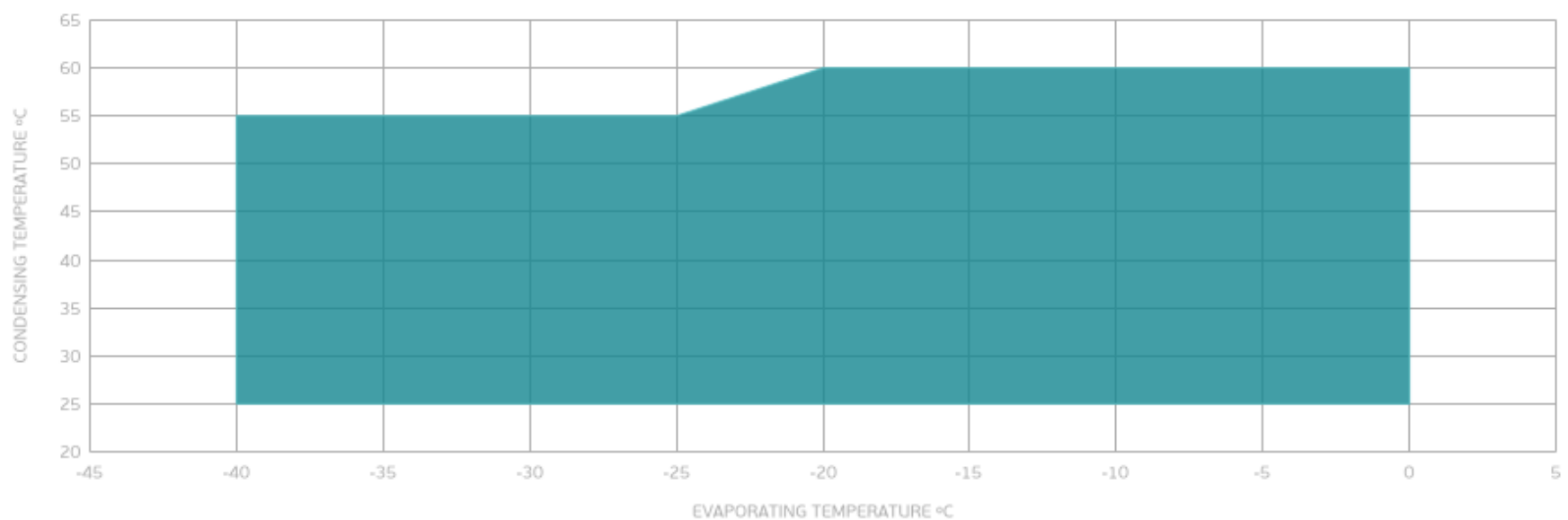
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
-40	4465.00	0.63	7094.00
-35	5491.00	0.74	7442.00
-30	6747.00	0.87	7797.00
-25	8256.00	1.01	8161.00
-20	10037.00	1.18	8533.00
-15	12112.00	1.36	8916.00
-10	14502.00	1.56	9309.00
-5	17228.00	1.77	9713.00
0	20310.00	2.00	10130.00

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

ENVELOPE



■ OPERATING CONDITION

EXTERNAL DIMENSIONS

