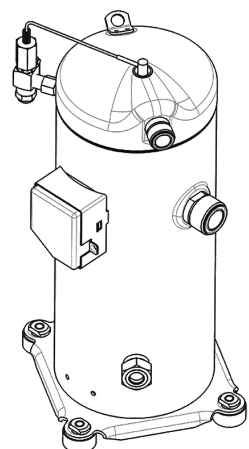


SE2039GS-0



ENGINEERING CODE
304DO1301AA



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
7771 W



EFFICIENCY
1.24 W/W

DATA

GENERAL DATA

Model	SE2039GS-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	32.90 m ³ /h (189.08 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	7771	1.24	6261

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	6607.00	1.22	5437.00
-35	8335.00	1.45	5759.00
-30	10441.00	1.71	6091.00
-25	12950.00	2.01	6435.00
-20	15885.00	2.34	6791.00
-15	19271.00	2.69	7160.00
-10	23132.00	3.07	7542.00
-5	27491.00	3.46	7939.00
0	32373.00	3.88	8350.00

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	5697.00	0.88	6493.00
-35	7187.00	1.05	6854.00
-30	8998.00	1.25	7225.00
-25	11153.00	1.47	7606.00
-20	13677.00	1.71	8000.00
-15	16592.00	1.97	8406.00
-10	19924.00	2.26	8824.00
-5	23695.00	2.56	9257.00
0	27931.00	2.88	9704.00

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

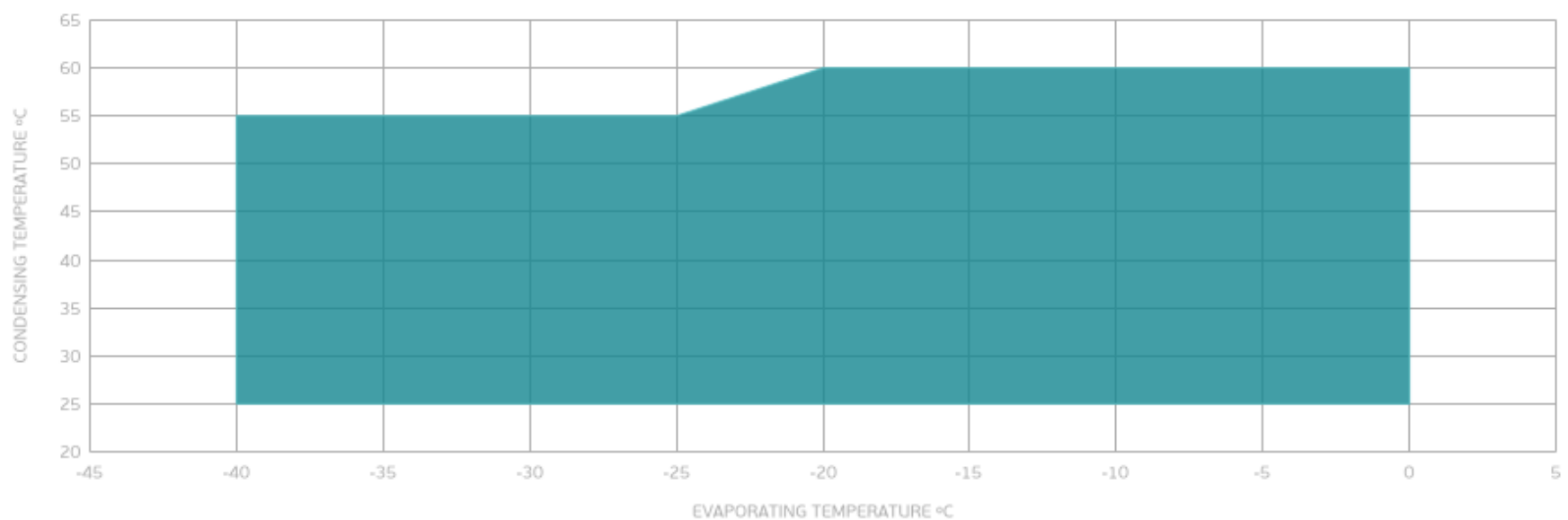
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
-40	4918.00	0.61	8103.00
-35	6100.00	0.72	8487.00
-30	7544.00	0.85	8881.00
-25	9274.00	1.00	9285.00
-20	11313.00	1.17	9700.00
-15	13685.00	1.35	10126.00
-10	16416.00	1.55	10566.00
-5	19528.00	1.77	11019.00
0	23046.00	2.01	11485.00

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

