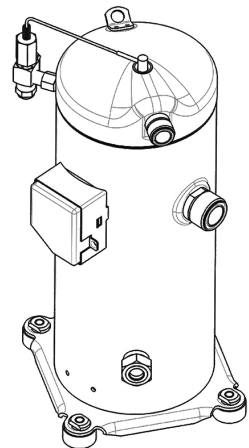



SE2028GS-0



 **ENGINEERING CODE**  
304BO1301AA

 **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**  
5972 W

 **EFFICIENCY**  
1.22 W/W

**DATA**

**GENERAL DATA**

Model	SE2028GS-0
Type	Hermetic Scroll Compressor
Technology	On-Off
Compressor application	LBP
Compressor cooling	Static
HP	9

**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	25.30 m <sup>3</sup> /h (145.40 cm <sup>3</sup> /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	2.7 L
Oil Recharge	2.55 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	53 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	6.8 Kg

### RATED POINTS

Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
40	-35	5972	1.22	4900

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	5118.00	1.20	4250.00
-35	6417.00	1.42	4508.00
-30	8003.00	1.68	4772.00
-25	9895.00	1.96	5043.00
-20	12111.00	2.27	5324.00
-15	14668.00	2.61	5613.00
-10	17585.00	2.97	5911.00
-5	20879.00	3.36	6221.00
0	24569.00	3.76	6542.00

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	4388.00	0.86	5074.00
-35	5508.00	1.03	5362.00
-30	6871.00	1.22	5655.00
-25	8497.00	1.43	5955.00
-20	10402.00	1.66	6264.00
-15	12604.00	1.92	6580.00
-10	15122.00	2.19	6906.00
-5	17974.00	2.48	7243.00
0	21177.00	2.79	7590.00

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

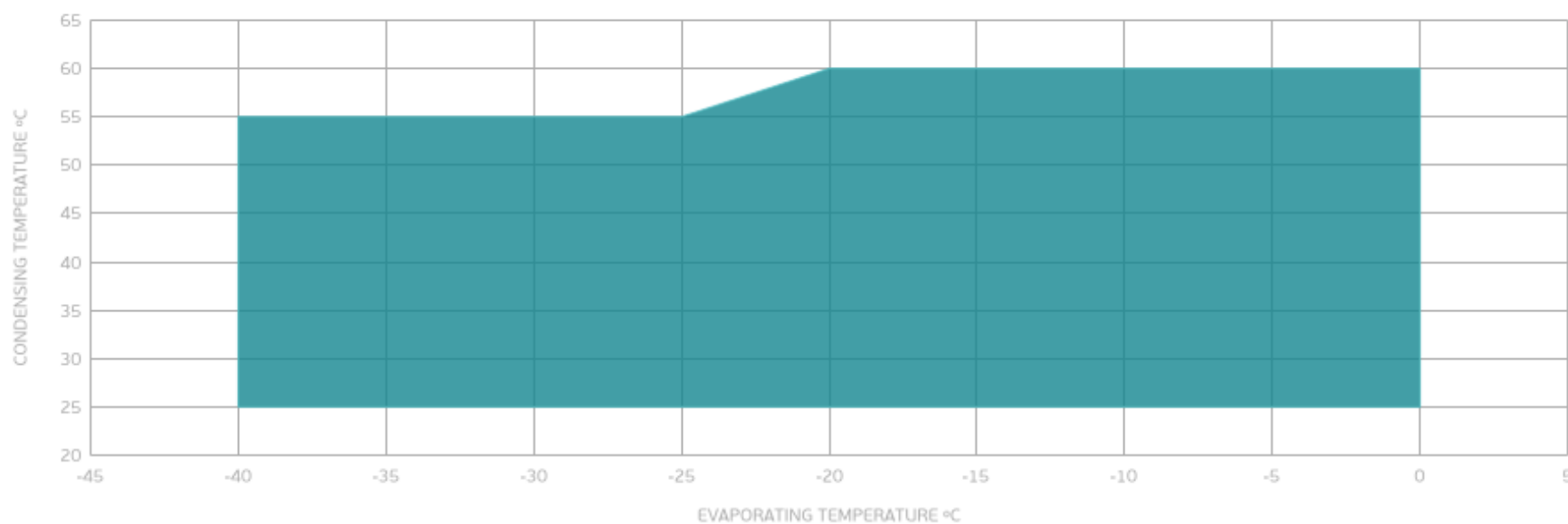
**PERFORMANCE CURVE**

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
-40	3733.00	0.59	6330.00
-35	4621.00	0.70	6633.00
-30	5708.00	0.82	6943.00
-25	7013.00	0.97	7259.00
-20	8553.00	1.13	7582.00
-15	10347.00	1.31	7914.00
-10	12412.00	1.50	8254.00
-5	14767.00	1.72	8604.00
0	17430.00	1.94	8964.00

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

