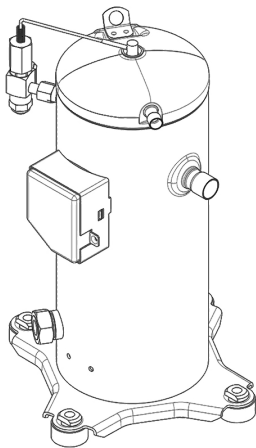


SE2020GS-O



ENGINEERING CODE
303F00201AA



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
4065 W



EFFICIENCY
1.27 W/W

DATA

GENERAL DATA

Model	SE2020GS-O
Type	Hermetic Scroll Compressor
Technology	On-Off
Compressor application	LBP
Compressor cooling	Static
HP	6

ELECTRICAL DATA

Voltage range 50Hz	342-462 V
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ELECTRICAL COMPONENTS

Overload protection	Internal Protector 37HM546-XX or 3HPD-XX
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MECHANICAL DATA			
Displacement		17.10 m³/h (98.28 cm³/rev)	
Free volume high		1 L	
Free volume low		4.2 L	
High side pressure		3.2 MPa	
Low side pressure		2 MPa	
Max discharge temperature		120 °C	
Oil charge		1.4 L	
Oil Recharge		1.45 L	
Oil Circulation		0.01 %	
Oil type		POE	
Pressure valve opening (max)		3.1 MPa	
Pressure valve opening (min)		2 MPa	
Height		475.9 mm	
Weight		31 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		1.9 Ω	
Start winding resistance		1.9 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	4.0 Kg

RATED POINTS				
Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
40	-35	4065	1.27	3190
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	3369.00	1.22	2755.00
	-35	4235.00	1.45	2915.00
	-30	5293.00	1.72	3084.00
	-25	6556.00	2.01	3261.00
	-20	8035.00	2.33	3445.00
	-15	9740.00	2.68	3636.00
	-10	11683.00	3.05	3833.00
	-5	13876.00	3.44	4034.00
	0	16329.00	3.85	4240.00
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	2874.00	0.87	3304.00
	-35	3623.00	1.04	3474.00
	-30	4535.00	1.24	3654.00
	-25	5623.00	1.46	3844.00
	-20	6896.00	1.71	4043.00
	-15	8367.00	1.97	4250.00
	-10	10046.00	2.25	4463.00
	-5	11945.00	2.55	4684.00
	0	14075.00	2.87	4910.00

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

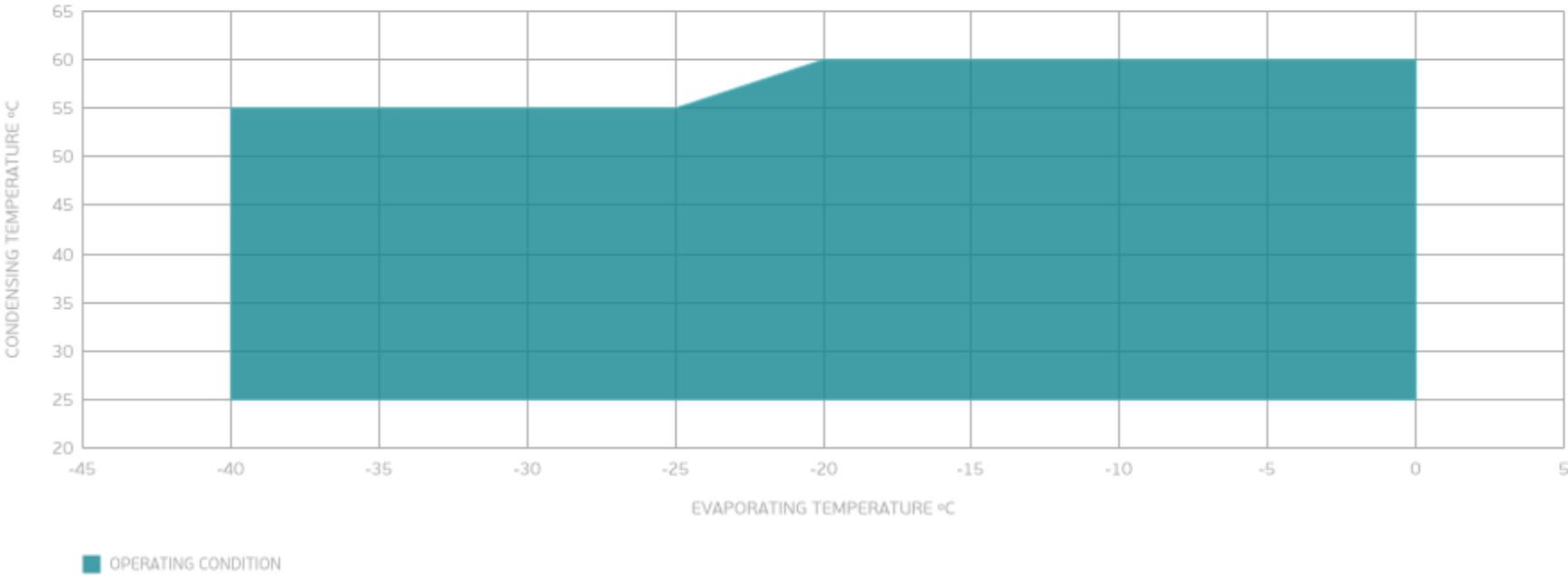
PERFORMANCE CURVE

Condensing Temperature 55°C

	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Consumo de Potencia W
	-40	2426.00	0.58	4157.00
	-35	3022.00	0.70	4325.00
	-30	3752.00	0.83	4504.00
	-25	4628.00	0.99	4695.00
	-20	5660.00	1.16	4896.00
	-15	6860.00	1.34	5107.00
	-10	8239.00	1.55	5326.00
	-5	9809.00	1.77	5553.00
	0	11580.00	2.00	5788.00

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

