



APPROVALS



ENGINEERING CODE
513300113

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
LBP

COOLING CAPACITY
93 W (LBP)

EFFICIENCY
1.33 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	9.04 cm ³
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/4 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSCR
Starting Torque	LST
Start Winding Resistance	25.1 Ω at 25° C
Run Winding Resistance	22.75 Ω at 25° C
Locked Rotor Amperage (LRA)	26.7 A
Rated Load Amperage (RLA) at 60 Hz	3 A

Mechanical Data

Oil Charge	150 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.4 Kg

Electrical Components

	Description
Motor Protection	4TM189KFBYY-53
Starting Device	PTC 8EA17B3

External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.2 mm	Slanted 40° up + 45° to Back/Copper
Discharge	4.9 mm	Slanted 0° up + 24° to Back/Copper
Process	6.2 mm	Slanted 40° up + 45° to Back/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
40.00°C	-35.00°C	93 W	70 W	1.16 kg/h	1.33 W/W

Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Evaporation -35.00°C, Condensing 40.00°C, Ambient 35°C, Liquid 40°C, Subcooling 0K. Data are an indication of performance based simulation.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	91	85	1.13	1.06
-30	124	95	1.54	1.31
-25	161	106	1.98	1.52
-20	202	116	2.46	1.74
-15	251	128	3.03	1.96
-10	311	140	3.74	2.21

Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C, Subcooling OK. Data are an indication of performance based simulation.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	90	66	1.14	1.37
-30	124	76	1.59	1.63
-25	161	87	2.06	1.84
-20	203	99	2.59	2.05
-15	252	112	3.23	2.26
-10	312	125	4.00	2.49

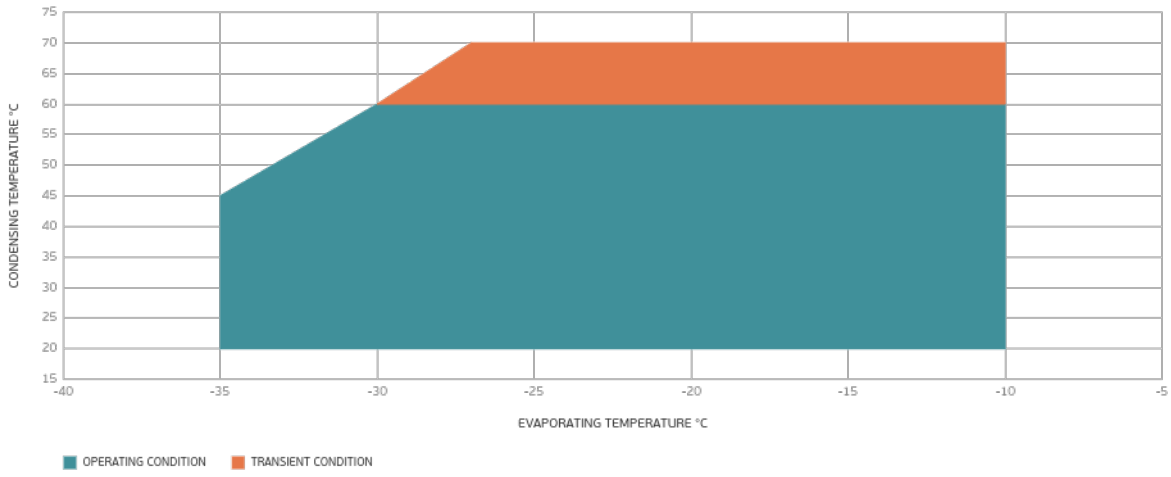
Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C, Subcooling OK. Data are an indication of performance based simulation.

Condensing Temperature 55°C

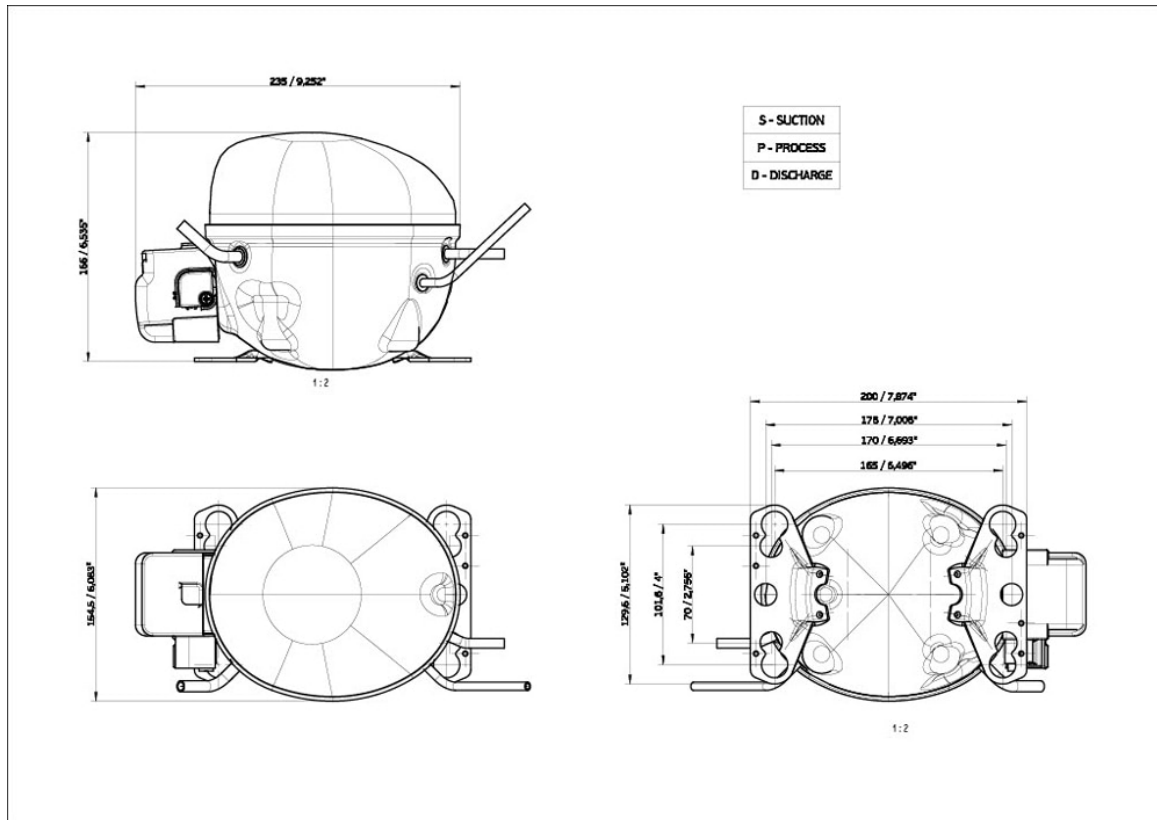
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	74	72	1.04	1.03
-30	108	84	1.52	1.29
-25	145	96	2.03	1.51
-20	186	109	2.62	1.7
-15	235	123	3.31	1.9
-10	293	138	4.16	2.12

Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C, Subcooling OK. Data are an indication of performance based simulation.

Operating Envelope



External Dimensions



Wiring Diagram

