



**APPROVALS**



**ENGINEERING CODE**  
875BA90

**APPROVED REFRIGERANT**  
R-600a

**POWER SUPPLY**  
220-240 V 50 Hz

**STANDARD CONDITIONS**  
EN12900

**APPLICATION**  
LBP

**COOLING CAPACITY**  
40 W (LBP)

**EFFICIENCY**  
0.86 W/W (LBP)

**MOTOR TYPE**  
RSCR

**STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.19 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
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	22.37 Ω at 25° C
Run Winding Resistance	70 Ω at 25° C

**Mechanical Data**

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.51 Kg

## Electrical Components

	Description
Starting Device	PTC   V230
Run Capacitor	4
Motor Protection	T0879/07

## External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42?/Copper
Discharge	5.1 mm	Slanted 42?/Copper
Process	6 mm	Slanted 42?/Copper(OD)

## PERFORMANCE

## Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
40.00°C	-35.00°C	40 W	46 W	0.79 kg/h	0.86 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 OK. 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	36	71	1.40	0.5
-30	52	76	1.60	0.69
-25	72	81	1.84	0.89
-20	96	86	2.12	1.12
-15	124	90	2.45	1.38
-10	157	93	2.83	1.68

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	39	35	0.50	1.12
-30	54	41	0.69	1.31
-25	72	48	0.92	1.51
-20	94	55	1.20	1.73
-15	119	61	1.53	1.96
-10	149	67	1.91	2.23

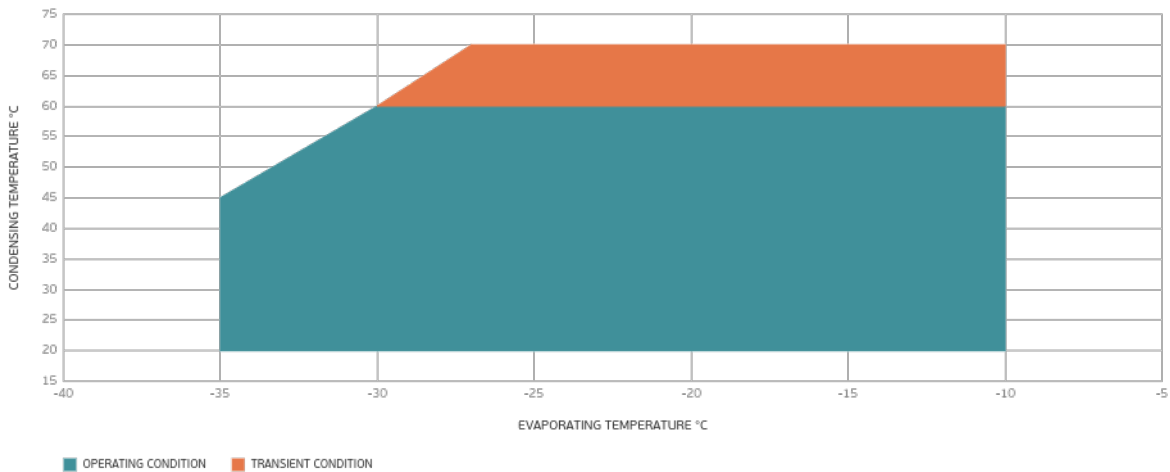
Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

### Condensing Temperature 55°C

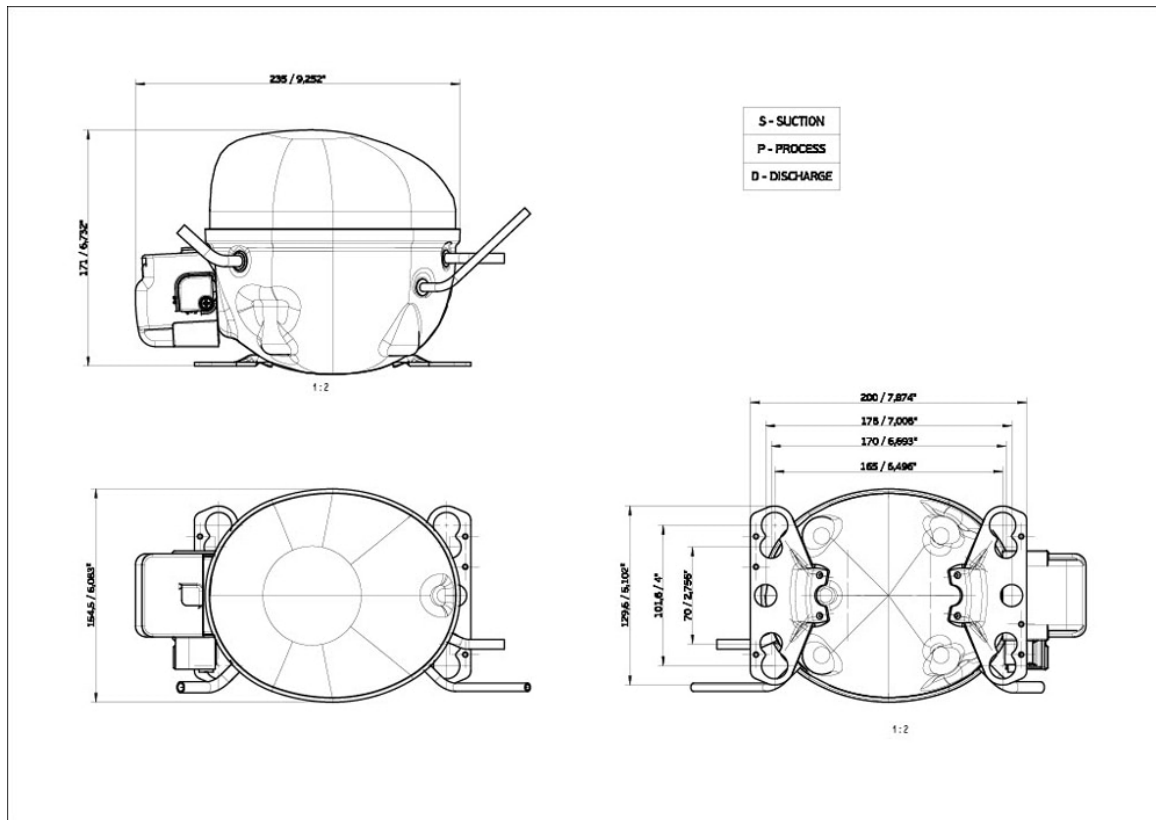
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	30	34	0.42	0.87
-30	43	41	0.61	1.05
-25	59	48	0.83	1.22
-20	79	57	1.11	1.39
-15	101	65	1.43	1.57
-10	128	73	1.81	1.75

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

### Operating Envelope



## External Dimensions



## Wiring Diagram

