



**APPROVALS**



**ENGINEERING CODE**  
513306117

**APPROVED REFRIGERANT**  
R-600a

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

**STANDARD CONDITIONS**  
EN12900

**APPLICATION**  
LBP

**COOLING CAPACITY**  
71 W (LBP)

**EFFICIENCY**  
0.83 W/W (LBP)

**MOTOR TYPE**  
RSIR/RSCR

**STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	9.04 cm <sup>3</sup>
Compressor Cooling	Static/Controlled/220
Expansion Device	Capillary Tube
Horse Power	1/6 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to -10 °C

**Electrical Data**

Motor type	RSIR/RSCR
Starting Torque	LST
Start Winding Resistance	24.75 Ω at 25° C
Run Winding Resistance	21.55 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.35 A

## Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.65 Kg

## Electrical Components

	Description
Motor Protection	AE18BQ10
Run Capacitor	2.5
Starting Device	PTC   2019

## External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42° up + 45° to Back/Copper
Discharge	4.94 mm	Slanted parallel BP+24° to Back/Copper
Process	6.1 mm	Slanted 45° 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	71 W	85 W	0.92 kg/h	0.83 W/W

Test Condition: EN12900LBP, Static/Controlled/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	59	105	0.87	0.56
-30	87	121	1.20	0.72
-25	123	137	1.62	0.9
-20	168	151	2.15	1.11
-15	221	165	2.78	1.34
-10	283	177	3.51	1.6

Test Condition: EN12900LBP, Static/Controlled/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	73	76	0.93	0.97
-30	99	91	1.26	1.08
-25	131	108	1.68	1.22
-20	171	124	2.19	1.38
-15	218	140	2.79	1.56
-10	273	156	3.50	1.75

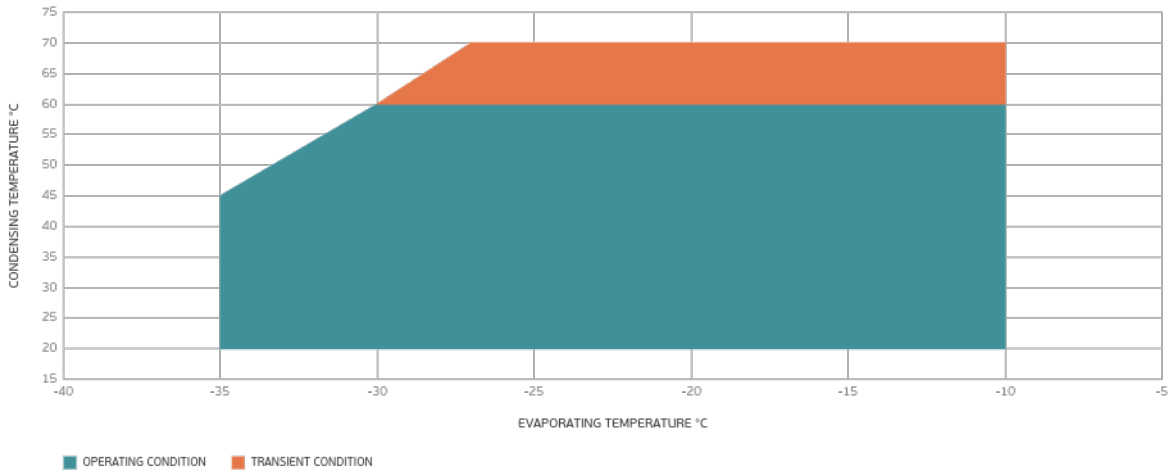
Test Condition: EN12900LBP, Static/Controlled/220, Return Gas 20°C, Ambient 35°C, Subcooling OK. Data are an indication of performance based simulation.

### Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	62	76	0.88	0.82
-30	85	92	1.20	0.93
-25	114	109	1.61	1.05
-20	149	128	2.11	1.17
-15	191	147	2.70	1.3
-10	239	167	3.38	1.43

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

## Operating Envelope



## External Dimensions

