



**APPROVALS**



**ENGINEERING CODE**  
898ZA77

**APPROVED REFRIGERANT**  
R-600a

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

**STANDARD CONDITIONS**  
EN12900

**APPLICATION**  
LBP

**COOLING CAPACITY**  
100 W (LBP)

**EFFICIENCY**  
1.32 W/W (LBP)

**MOTOR TYPE**  
RSCR

**STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	11.36 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	15.1 Ω at 25° C
Run Winding Resistance	20.1 Ω at 25° C

**Mechanical Data**

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	8.1 Kg

## Electrical Components

	Description
Run Capacitor	5
Starting Device	MI.E-START 2021
Motor Protection	AE18BQ10

## 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	100 W	76 W	1.21 kg/h	1.32 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	108	74	1.25	1.45
-30	144	86	1.68	1.68
-25	188	98	2.20	1.93
-20	242	110	2.84	2.19
-15	305	123	3.58	2.47
-10	378	137	4.45	2.77

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	91	76	1.16	1.2
-30	124	89	1.57	1.39
-25	164	103	2.08	1.58
-20	212	119	2.70	1.78
-15	268	135	3.44	1.99
-10	334	152	4.30	2.2

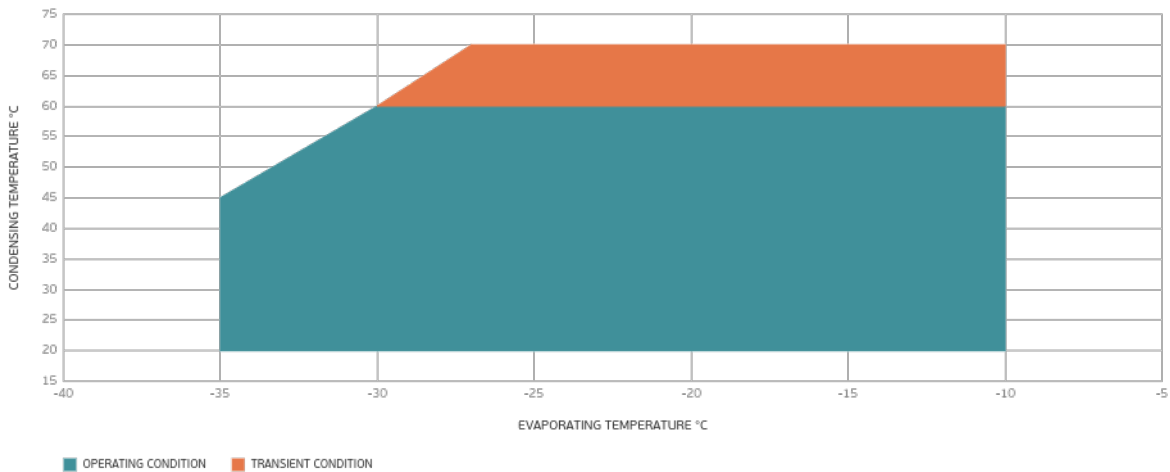
Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C, Subcooling 0K. Data are an indication of performance based simulation.

### Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	75	76	1.06	0.99
-30	103	90	1.45	1.15
-25	138	106	1.94	1.31
-20	181	123	2.55	1.47
-15	231	142	3.27	1.62
-10	290	163	4.11	1.78

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

