




**APPROVALS**




 **ENGINEERING CODE**  
513306243

 **APPROVED REFRIGERANT**  
R-600a

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

 **STANDARD CONDITIONS**  
EN12900

 **APPLICATION**  
HBP

 **COOLING CAPACITY**  
232 W (HBP)

 **EFFICIENCY**  
2.44 W/W (HBP)

 **MOTOR TYPE**  
RSIR

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.5 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/10 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-15 °C to 10 °C

**Electrical Data**

Motor type	RSIR
Start Winding Resistance	32 Ω at 25° C
Run Winding Resistance	31.5 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.35 A

## Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	MINERAL
Oil Type Viscosity	ISO10
Weight	7.2 Kg

## Electrical Components

	Description
Starting Device	PTC   V230
Motor Protection	T0224/07

## 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
50.00°C	5.00°C	232 W	95 W	3.17 kg/h	2.44 W/W

Test Condition: EN12900HBP, Static/NotControlled/220, Return Gas 20°C, Evaporation 5.00°C, Condensing 50.00°C, Ambient 35°C, Liquid 50°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
-15	120	61	1.41	1.96
-10	152	66	1.79	2.3
-5	189	70	2.23	2.7
0	231	73	2.74	3.16
5	279	75	3.32	3.7
10	332	76	3.97	4.36

Test Condition: EN12900HBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. 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
-15	103	64	1.33	1.61
-10	132	71	1.70	1.88
-5	166	76	2.14	2.17
0	204	81	2.64	2.51
5	248	86	3.22	2.89
10	297	90	3.88	3.32

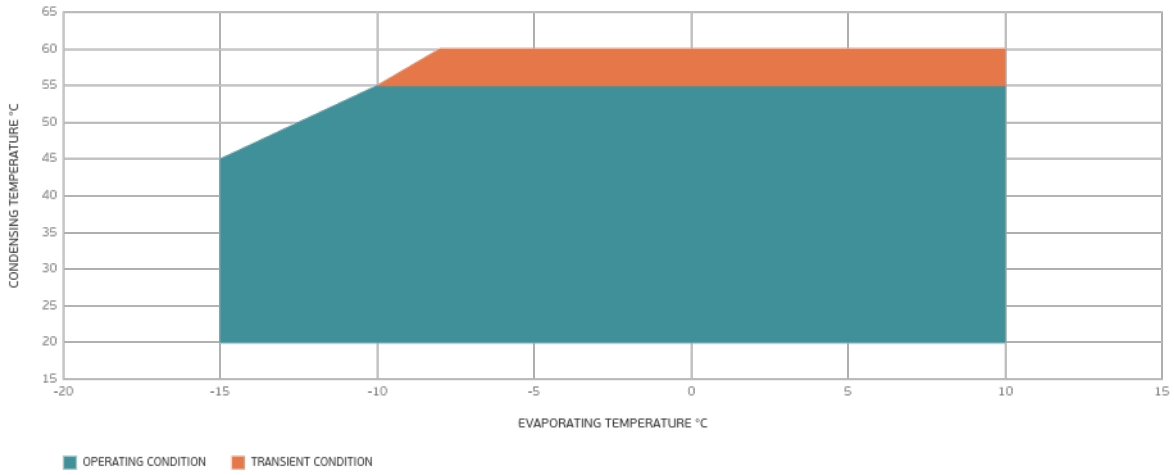
Test Condition: EN12900HBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

### Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-15	90	69	1.27	1.31
-10	115	76	1.63	1.51
-5	144	83	2.05	1.74
0	179	90	2.55	1.99
5	219	96	3.13	2.27
10	263	102	3.80	2.57

Test Condition: EN12900HBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

## Operating Envelope



## External Dimensions

