



**APPROVALS**



**ENGINEERING CODE**  
513306241

**APPROVED REFRIGERANT**  
R-600a

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

**STANDARD CONDITIONS**  
EN12900

**APPLICATION**  
HBP

**COOLING CAPACITY**  
345 W (HBP)

**EFFICIENCY**  
2.48 W/W (HBP)

**MOTOR TYPE**  
RSIR

**STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	6.78 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/8 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-15 °C to 10 °C

**Electrical Data**

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	26.9 Ω at 25° C
Run Winding Resistance	17.5 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	7.65 Kg

## Electrical Components

	Description
Starting Device	PTC   V230
Motor Protection	T0357/07

## 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	345 W	139 W	4.72 kg/h	2.48 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	181	87	2.13	2.08
-10	227	95	2.67	2.4
-5	281	102	3.32	2.75
0	345	109	4.09	3.16
5	419	116	4.98	3.62
10	503	121	6.01	4.15

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	158	92	2.03	1.72
-10	199	101	2.56	1.97
-5	248	110	3.19	2.24
0	305	120	3.94	2.54
5	371	129	4.82	2.87
10	447	138	5.83	3.24

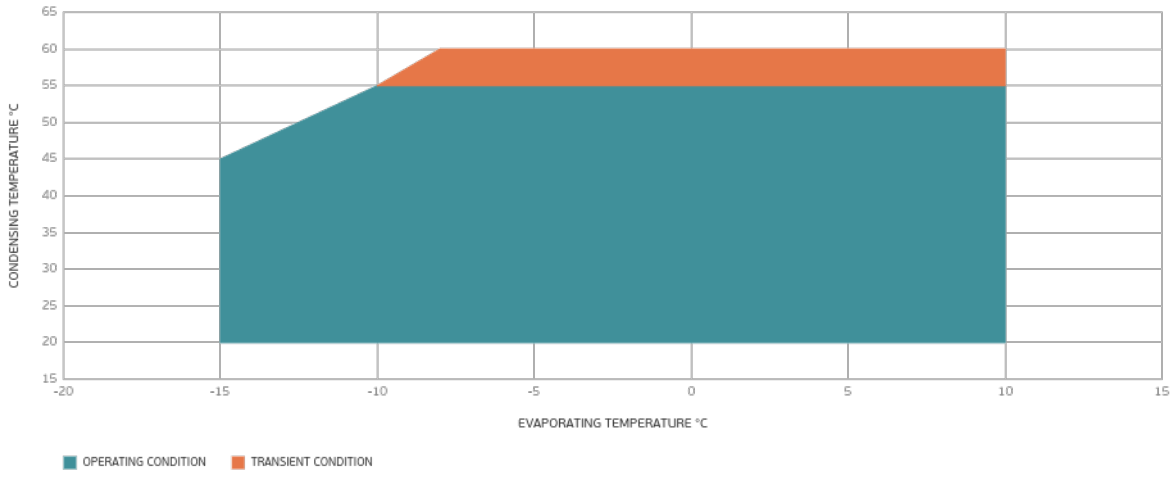
Test Condition: EN12900HBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

### Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-15	135	98	1.90	1.37
-10	171	108	2.42	1.58
-5	214	119	3.04	1.8
0	264	130	3.77	2.03
5	322	141	4.63	2.28
10	389	153	5.62	2.55

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

