



APPROVALS



 **ENGINEERING CODE**
513307130

 **APPROVED REFRIGERANT**
R-134a

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

 **STANDARD CONDITIONS**
EN12900

 **APPLICATION**
HBP

 **COOLING CAPACITY**
416 W (HBP)

 **EFFICIENCY**
2.27 W/W (HBP)

 **MOTOR TYPE**
RSIR

 **STARTING TORQUE**
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.6 cm ³
Compressor Cooling	Fan/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/6 hp
Power Supply	220-240 V 50 Hz / 220-240 V 60 Hz
Evaporating Temperature Range	-5 °C to 15 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	45.15 Ω at 25° C
Run Winding Resistance	15.25 Ω at 25° C

Mechanical Data

Oil Charge	160 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Weight	7.58 Kg

Electrical Components

	Description
Motor Protection	4TM734KDBYY-53
Starting Device	Relay 213514130

External Characteristics

Tray Holder		No
Connector	Internal Diameter	Shape
Suction	8.2 mm	Straight/Copper
Discharge	6.5 mm	Slanted/Copper
Process	6.5 mm	Straight/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
50.00°C	5.00°C	416 W	183 W	10.45 kg/h	2.27 W/W

Test Condition: EN12900HBP, Fan/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
-5	329	146	6.95	2.25
0	1177			
5	499	157	10.72	3.17
10	1047	22.89		
15	729	172	16.05	4.25

Test Condition: EN12900HBP, Fan/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
-5	300	155	7.03	1.93
0	1190			
5	446	175	10.62	2.55
10	977	22.64		
15	642	195	15.62	3.29

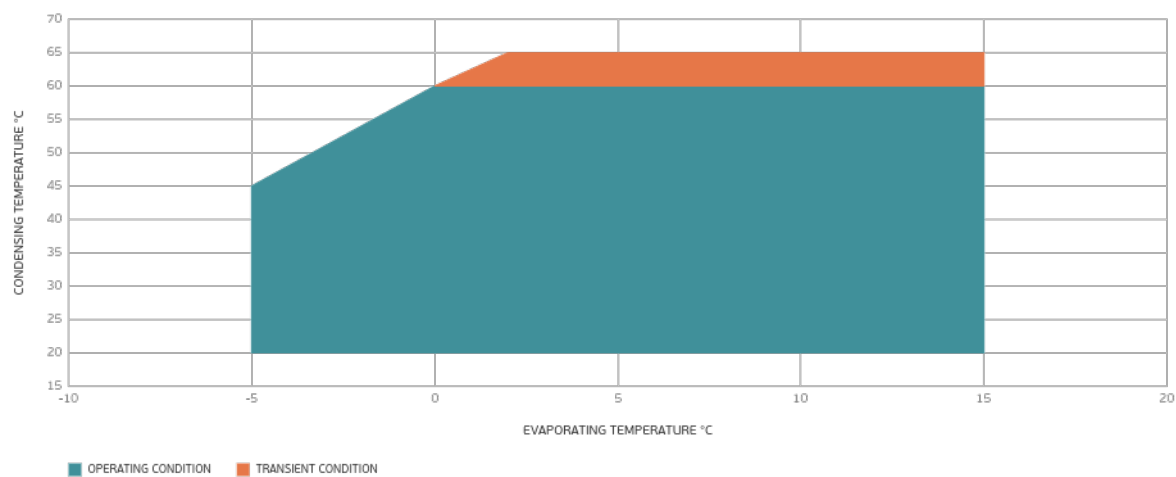
Test Condition: EN12900HBP, Fan/NotControlled/220, Return Gas 20°C, Ambient 35°C , Subcooling OK. Data are an indication of performance based simulation.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-5	259	164	6.77	1.58
0	1204			
5	384	192	10.20	2
10	901	22.08		
15	547	218	14.88	2.51

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

Operating Envelope



External Dimensions

