




 **ENGINEERING CODE**
513701396


 **APPROVED REFRIGERANT**
R-134a


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

 **STANDARD CONDITIONS**
EN12900

 **APPLICATION**
LBP

 **COOLING CAPACITY**
114 W (LBP)

 **EFFICIENCY**
1.05 W/W (LBP)

 **MOTOR TYPE**
RSIR

 **STARTING TORQUE**
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	7.15 cm ³
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/3 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	35.4 Ω at 25° C
Run Winding Resistance	14.8 Ω at 25° C
Locked Rotor Amperage (LRA)	6.8 A
Rated Load Amperage (RLA) at 50 Hz	1.15 A
Rated Load Amperage (RLA) at 60 Hz	1.1 A

Mechanical Data

Oil Charge	230 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Weight	10.5 Kg

Electrical Components

	Description
Motor Protection	4TM739KFBYY-53
Starting Device	Relay 213516493

External Characteristics

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

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
40.00°C	-35.00°C	113 W	108 W	2.48 kg/h	1.05 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	123	105	2.56	1.16
-30	163	119	3.42	1.37
-25	213	132	4.49	1.61
-20	276	145	5.82	1.9
-15	352	158	7.45	2.23
-10	444	171	9.43	2.6

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	103	110	2.37	0.94
-30	141	126	3.24	1.12
-25	187	143	4.31	1.31
-20	243	159	5.62	1.52
-15	311	177	7.22	1.76
-10	392	194	9.15	2.03

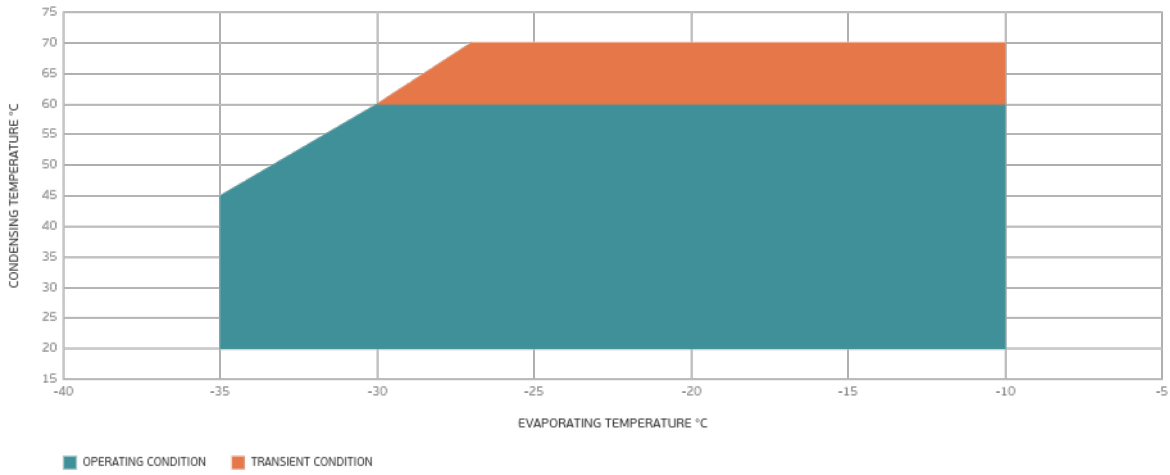
Test Condition: EN12900LBP, Static/NotControlled/220, Return Gas 20°C, Ambient 35°C, Subcooling OK. Data are an indication of performance based simulation.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-35	79	114	2.01	0.7
-30	114	132	2.92	0.87
-25	156	151	4.00	1.04
-20	206	171	5.30	1.21
-15	266	191	6.88	1.39
-10	338	213	8.77	1.59

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

Operating Envelope



External Dimensions

