



APPROVALS




 **ENGINEERING CODE**
513906056

 **APPROVED REFRIGERANT**
R-600a

 **POWER SUPPLY**
220-240 V 4500 RPM

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
LBP

 **COOLING CAPACITY**
179 W (LBP)

 **EFFICIENCY**
1.78 W/W (LBP)

 **MOTOR TYPE**
BPM

 **STARTING TORQUE**
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	VCC
Displacement	7.23 cm ³
Compressor Cooling	Static/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	-35 °C to -10 °C

Electrical Data

Motor type	BPM
Starting Torque	LST
Start Winding Resistance	8.1 Ω at 25° C
Run Winding Resistance	8.1 Ω at 25° C
Locked Rotor Amperage (LRA)	14 A

Mechanical Data

Oil Charge	210 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.8 Kg

Electrical Components

	Description
Motor Protection	VCC32456XXXX
Starting Device	Inverter CF02D01 M 0.0 X VCC32456XXXX

External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 12° out + 79° up/Copper
Discharge	4.9 mm	Slanted 0° up + 24° to Back/Copper
Process	6.2 mm	Slanted 42° up + 45° to Back/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	179 W	101 W	0.48 A	1.92 kg/h	1.78 W/W

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C, Liquid 32.2°C, Subcooling 22.2K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	103	59	0.29	1.10	1.74
-30	139	71	0.35	1.49	1.97
-25	183	83	0.41	1.96	2.21
-20	234	94	0.47	2.52	2.49
-15	296	105	0.52	3.19	2.82
-10	369	115	0.57	3.98	3.22

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

The current compressor speed may be lower than the inverter set speed at some operating conditions. The performance values herein presented refer to actual compressor speed, though.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	94	62	0.3	1.01	1.51
-30	130	75	0.37	1.39	1.73
-25	173	89	0.44	1.86	1.95
-20	225	103	0.51	2.42	2.18
-15	287	118	0.58	3.09	2.43
-10	360	132	0.65	3.88	2.73

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

The current compressor speed may be lower than the inverter set speed at some operating conditions. The performance values herein presented refer to actual compressor speed, though.

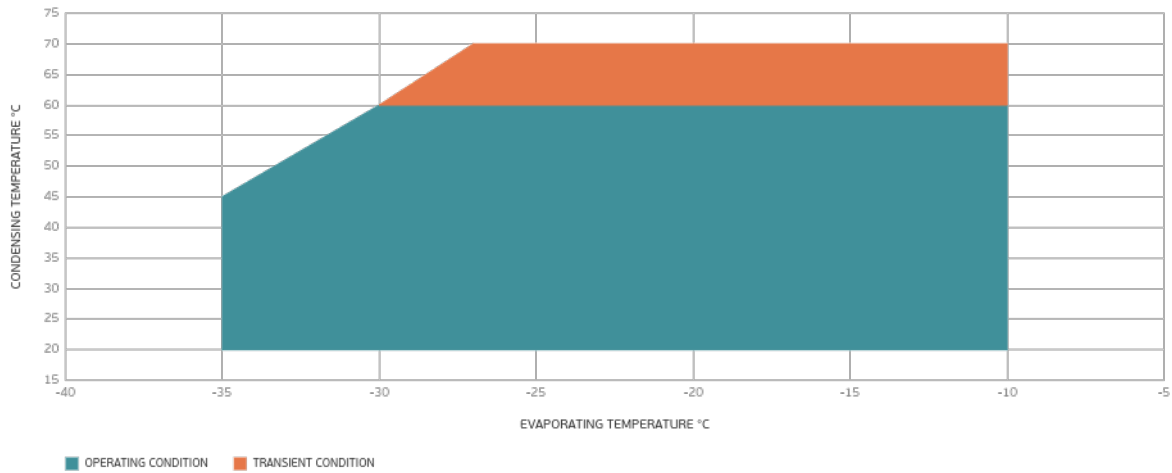
Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	83	65	0.3	0.89	1.27
-30	119	79	0.37	1.27	1.51
-25	162	94	0.45	1.74	1.72
-20	214	111	0.54	2.30	1.93
-15	276	128	0.63	2.97	2.15
-10	348	145	0.72	3.76	2.4

Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

The current compressor speed may be lower than the inverter set speed at some operating conditions. The performance values herein presented refer to actual compressor speed, though.

Operating Envelope



External Dimensions

