



APPROVALS



ENGINEERING CODE
513306241

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
HBP

COOLING CAPACITY
397 W (HBP)

EFFICIENCY
2.69 W/W (HBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	6.78 cm ³
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	Current	Gas Flow Rate	Efficiency
54.40°C	7.20°C	397 W	147 W	0.91 A	4.76 kg/h	2.69 W/W

Test Condition: ASHRAEHP46, Static/NotControlled/220, Return Gas 35°C, Evaporation 7.20°C, Condensing 54.40°C, Ambient 35°C, Liquid 46.1°C, Subcooling 8.3K. 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
-15	228	87	0.75	2.33	2.62
-10	287	95	0.76	2.93	3.03
-5	357	102	0.78	3.66	3.49
0	438	109	0.8	4.50	4
5	529	116	0.82	5.46	4.57
10	631	121	0.84	6.53	5.21

Test Condition: ASHRAEHBP46, Static/NotControlled/220, Return Gas 35°C, Ambient 35°C, Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-15	189	92	0.76	2.08	2.06
-10	237	101	0.78	2.61	2.35
-5	296	110	0.8	3.27	2.68
0	365	120	0.83	4.05	3.04
5	445	130	0.86	4.94	3.43
10	534	138	0.89	5.95	3.86

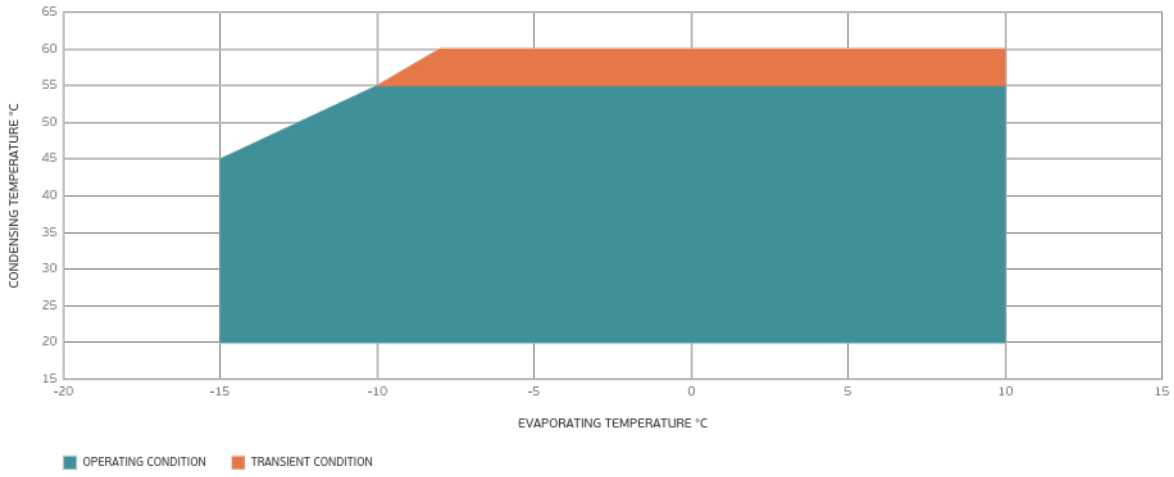
Test Condition: ASHRAEHBP46, Static/NotControlled/220, Return Gas 35°C, Ambient 35°C, Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-15	153	98	0.77	1.82	1.55
-10	189	108	0.8	2.26	1.74
-5	236	119	0.83	2.83	1.98
0	293	130	0.86	3.52	2.25
5	360	142	0.9	4.34	2.54
10	435	153	0.94	5.27	2.84

Test Condition: ASHRAEHBP46, Static/NotControlled/220, Return Gas 35°C, Ambient 35°C, Subcooling 8.3K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Operating Envelope



External Dimensions

