



APPROVALS



ENGINEERING CODE
191CA47

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
74 W (LBP)

EFFICIENCY
1.15 W/W (LBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	3 cm ³
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
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	34.6 Ω at 25° C
Run Winding Resistance	36 Ω at 25° C

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Weight	7.1 Kg

Electrical Components

	Description
Starting Device	PTC V230
Motor Protection	T0221-26

External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42°/Copper
Discharge	4.94 mm	Slanted parallel to Base Plate/Copper
Process	6.1 mm	Slanted 42°/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	74 W	64 W	0.44 A	1.43 kg/h	1.15 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	45	45	0.39	0.87	1
-30	62	51	0.4	1.20	1.21
-25	84	57	0.42	1.62	1.46
-20	110	63	0.44	2.15	1.75
-15	143	69	0.46	2.79	2.06
-10	182	76	0.48	3.56	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.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	39	44	0.39	0.75	0.88
-30	55	52	0.41	1.07	1.08
-25	76	59	0.43	1.48	1.29
-20	103	67	0.45	1.99	1.53
-15	134	75	0.48	2.61	1.77
-10	171	84	0.51	3.34	2.03

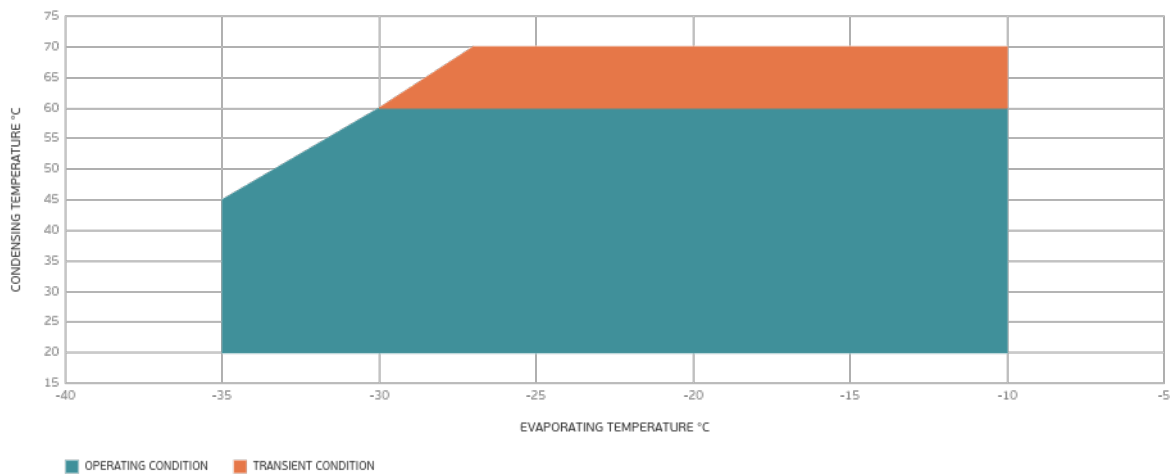
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	28	42	0.38	0.54	0.65
-30	45	51	0.4	0.86	0.87
-25	65	60	0.43	1.27	1.09
-20	91	69	0.46	1.76	1.3
-15	121	79	0.49	2.35	1.52
-10	156	90	0.53	3.05	1.74

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.

Operating Envelope



External Dimensions

