



APPROVALS



ENGINEERING CODE
513308087

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
128 W (LBP)

EFFICIENCY
1.47 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	3.77 cm ³
Compressor Cooling	Static/Controlled/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	RSCR
Starting Torque	LST
Start Winding Resistance	19 Ω at 25° C
Run Winding Resistance	27.1 Ω at 25° C

Mechanical Data

Oil Charge	160 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Weight	7.74 Kg

Electrical Components

	Description
Run Capacitor	5
Motor Protection	4TM189KFBYY-53
Starting Device	5SP17X189K

External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.5 mm	Slanted parallel B.Plate 307/Copper
Discharge	4.94 mm	Straight/Copper
Process	6.5 mm	Slanted parallel to Base Plate/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	128 W	87 W	0.36 A	2.48 kg/h	1.47 W/W

Test Condition: ASHRAELBP32, Static/Controlled/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	79	106	0.37	1.56	0.74
-30	110	112	0.36	2.16	0.98
-25	142	118	0.36	2.79	1.2
-20	177	125	0.37	3.47	1.42
-15	216	131	0.38	4.24	1.65
-10	261	138	0.4	5.13	1.89

Test Condition: ASHRAELBP32, Static/Controlled/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	70	64	0.28	1.36	1.09
-30	101	73	0.3	1.95	1.37
-25	133	83	0.34	2.59	1.62
-20	170	92	0.38	3.30	1.84
-15	212	102	0.42	4.13	2.07
-10	261	113	0.47	5.10	2.31

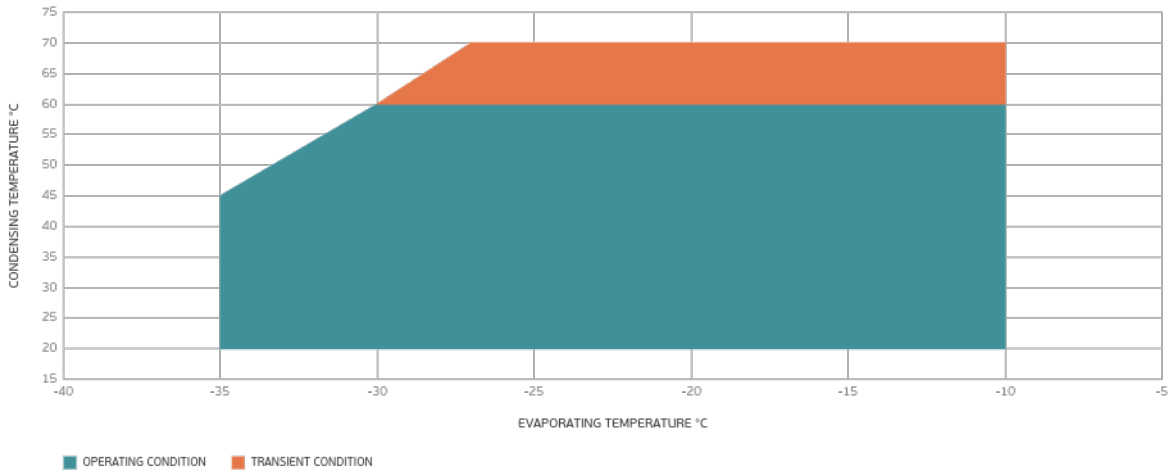
Test Condition: ASHRAELBP32, Static/Controlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	54	61	0.25	1.04	0.89
-30	83	72	0.29	1.60	1.15
-25	115	84	0.34	2.23	1.38
-20	152	96	0.39	2.96	1.59
-15	196	108	0.45	3.82	1.81
-10	248	122	0.5	4.85	2.04

Test Condition: ASHRAELBP32, Static/Controlled/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

