

APPROVALS



ENGINEERING CODE
513701377

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
224 W (LBP)

EFFICIENCY
1.73 W/W (LBP)

MOTOR TYPE
RSCR

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	1/4 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSCR
Starting Torque	LST
Start Winding Resistance	20.94 Ω at 25° C
Run Winding Resistance	12.03 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	10.9 Kg

Electrical Components

	Description
Starting Device	PTC 7M220MD3 8EA17C3 8M220MD3 QPS2-A22MD3 QPS2-A22MD3 091
Run Capacitor	5
Motor Protection	4TM283NFBYY-53

External Characteristics

Tray Holder	No	
Connector	Internal Diameter	Shape
Suction	8.2 mm	Slanted/Copper
Discharge	4.94 mm	Slanted/Copper
Process	6.5 mm	Straight/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	224 W	130 W	0.7 A	4.35 kg/h	1.73 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	101	120	0.44	2.01	0.84
-30	145	133	0.52	2.87	1.09
-25	201	147	0.6	3.95	1.37
-20	269	160	0.69	5.29	1.68
-15	352	173	0.77	6.93	2.03
-10	452	186	0.85	8.90	2.43

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	120	86	0.47	2.31	1.39
-30	164	103	0.55	3.18	1.6
-25	219	120	0.64	4.25	1.83
-20	286	138	0.74	5.56	2.08
-15	367	156	0.84	7.16	2.35
-10	464	174	0.93	9.08	2.67

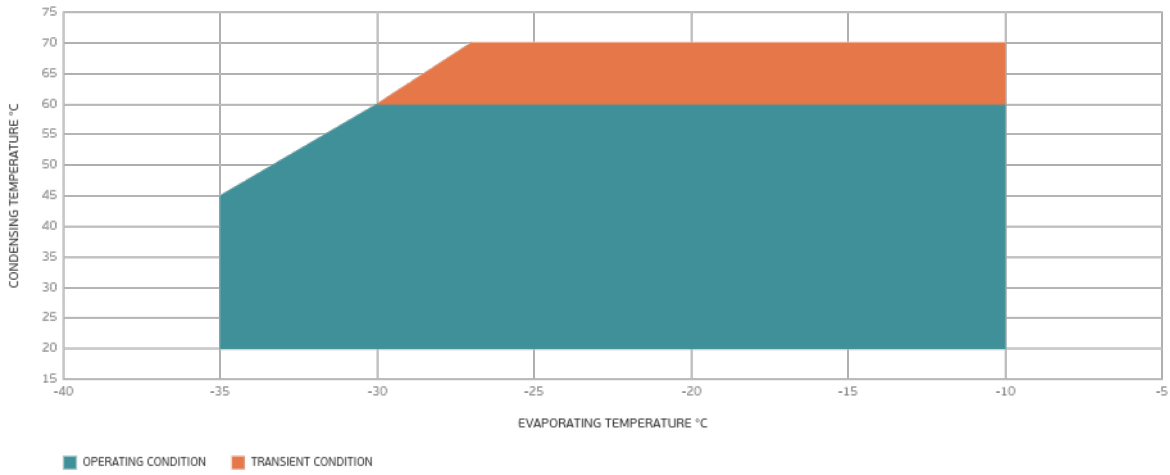
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	102	82	0.46	1.97	1.25
-30	147	102	0.55	2.84	1.45
-25	202	123	0.66	3.91	1.64
-20	268	145	0.77	5.21	1.84
-15	347	168	0.89	6.77	2.06
-10	442	191	1.01	8.64	2.31

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

