


**APPROVALS**




 **ENGINEERING CODE**  
513701284


 **APPROVED REFRIGERANT**  
R-134a

 **POWER SUPPLY**  
220-240 V 60 Hz

 **STANDARD CONDITIONS**  
ASHRAE

 **APPLICATION**  
LBP

 **COOLING CAPACITY**  
243 W (LBP)

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

 **MOTOR TYPE**  
RSCR

 **STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	6.36 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/4 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	22.9 Ω at 25° C
Run Winding Resistance	13 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	10.78 Kg

## Electrical Components

	Description
Run Capacitor	4
Starting Device	PTC   7M220MD2 7M220MD3 8EA17C3 8EA17E61 8EA17E62 8EA17E63 8M220MD2 8M220MD3 QPS2-A22MD3 QPS2-A22MD3 091
Motor Protection	4TM283KFBYY-53 4TM283NFBYY-53

## External Characteristics

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

## PERFORMANCE

## Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	243 W	137 W	0.57 A	4.72 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	144	93	0.42	2.78	1.55
-30	195	106	0.47	3.78	1.83
-25	257	121	0.52	4.98	2.12
-20	331	136	0.57	6.44	2.44
-15	420	150	0.61	8.19	2.8
-10	525	163	0.64	10.28	3.23

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	126	93	0.38	2.44	1.36
-30	178	110	0.45	3.45	1.62
-25	240	127	0.54	4.65	1.88
-20	314	146	0.62	6.10	2.15
-15	402	165	0.69	7.84	2.44
-10	507	183	0.77	9.92	2.78

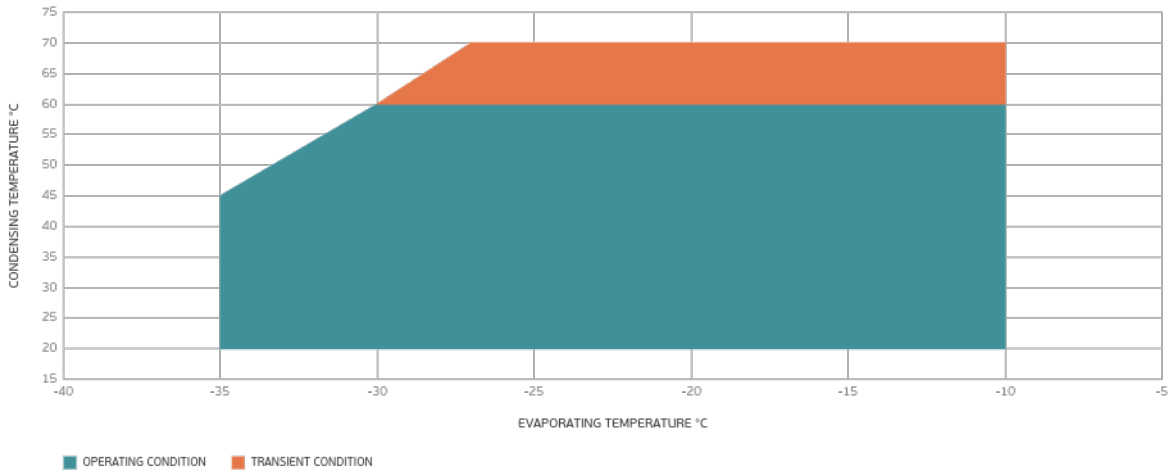
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	104	88	0.34	2.00	1.18
-30	156	108	0.44	3.02	1.45
-25	218	129	0.54	4.23	1.69
-20	292	152	0.64	5.68	1.92
-15	380	175	0.74	7.41	2.17
-10	485	199	0.85	9.48	2.44

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

