



**APPROVALS**



**ENGINEERING CODE**  
513302479

**APPROVED REFRIGERANT**  
R-134a

**POWER SUPPLY**  
220-240 V 50 Hz

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
LBP

**COOLING CAPACITY**  
90 W (LBP)

**EFFICIENCY**  
1.1 W/W (LBP)

**MOTOR TYPE**  
RSIR

**STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	3.77 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/10 hp
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	39.5 Ω at 25° C
Run Winding Resistance	28.6 Ω at 25° C
Locked Rotor Amperage (LRA)	26.7 A
Rated Load Amperage (RLA) at 60 Hz	3 A

## Mechanical Data

Oil Charge	160 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Weight	7.12 Kg

## Electrical Components

	Description
Motor Protection	4TM189NFBYY-53
Starting Device	PTC   8EA17C1 8EA5B1 QPS2-A22MG1

## External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Straight/Copper
Discharge	4.94 mm	Slanted/Copper
Process	6.1 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	90 W	82 W	0.55 A	1.75 kg/h	1.1 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	42	89	0.49	1.05	0.47
-30	63	97	0.49	1.47	0.65
-25	89	105	0.49	1.97	0.84
-20	120	113	0.49	2.59	1.06
-15	159	121	0.51	3.34	1.31
-10	204	128	0.53	4.25	1.59

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	45	61	0.49	0.88	0.75
-30	67	70	0.51	1.29	0.95
-25	92	80	0.52	1.79	1.16
-20	123	90	0.54	2.40	1.38
-15	161	100	0.57	3.14	1.61
-10	206	110	0.62	4.02	1.87

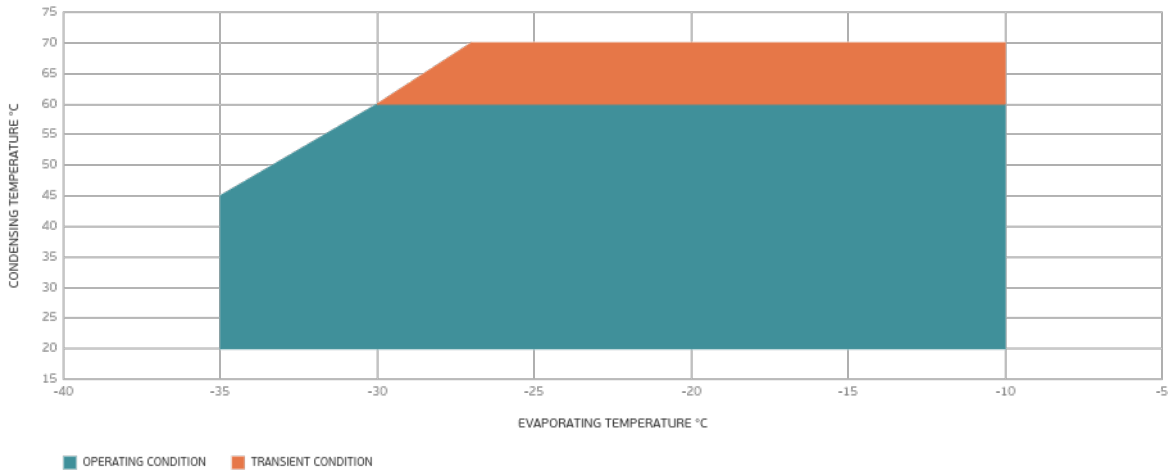
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	33	57	0.48	0.63	0.57
-30	54	67	0.51	1.04	0.8
-25	79	79	0.54	1.54	1.01
-20	110	91	0.57	2.14	1.22
-15	147	103	0.61	2.87	1.42
-10	191	117	0.66	3.73	1.64

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

