

**APPROVALS**



**ENGINEERING CODE**  
875IA95

**APPROVED REFRIGERANT**  
R-600a

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

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
LBP

**COOLING CAPACITY**  
96 W (LBP)

**EFFICIENCY**  
1.5 W/W (LBP)

**MOTOR TYPE**  
RSIR

**STARTING TORQUE**  
LST

**DATA**

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.96 cm <sup>3</sup>
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	27 Ω at 25° C
Run Winding Resistance	45 Ω at 25° C

**Mechanical Data**

Oil Charge	180 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	7.43 Kg

## Electrical Components

	Description
Starting Device	PTC   V230
Motor Protection	T0882/07

## External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42°/Copper
Discharge	5.1 mm	Straight/Copper
Process	6 mm	Slanted 42°/Copper(OD)

## PERFORMANCE

## Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	96 W	64 W	0.42 A	0.99 kg/h	1.5 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	43	72	0.31	4.21	0.59
-30	62	78	0.33	4.42	0.8
-25	87	84	0.36	4.68	1.03
-20	117	90	0.38	5.00	1.29
-15	152	97	0.41	5.38	1.56
-10	192	106	0.45	5.82	1.81

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	51	44	0.35	0.54	1.15
-30	70	51	0.37	0.75	1.36
-25	93	58	0.39	1.00	1.61
-20	122	65	0.42	1.32	1.87
-15	156	74	0.45	1.69	2.11
-10	196	85	0.49	2.12	2.31

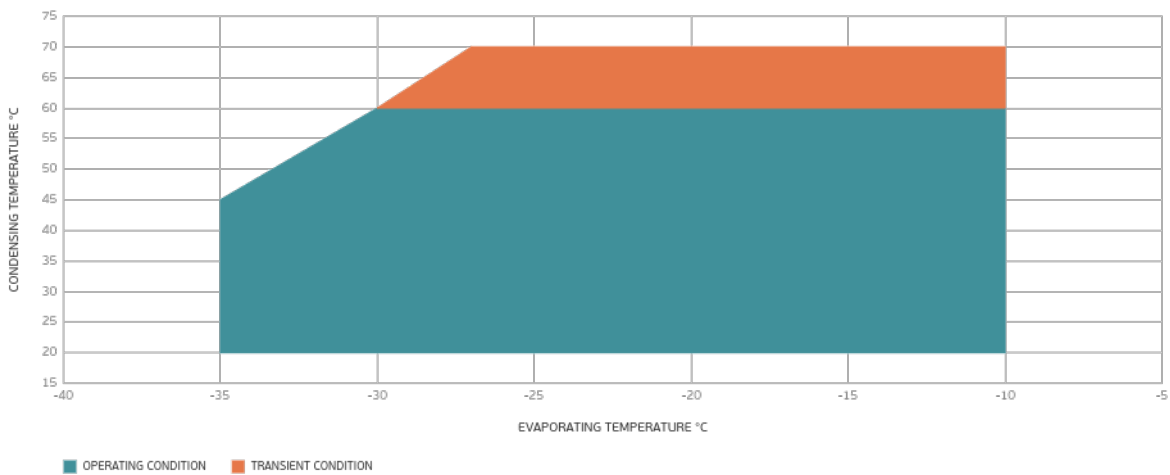
Test Condition: ASHRAELBP32, Static/NotControlled/220, Return Gas 32.2°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

### Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	45	46	0.36	0.48	0.98
-30	63	54	0.38	0.68	1.18
-25	86	62	0.41	0.92	1.4
-20	114	70	0.44	1.23	1.62
-15	147	81	0.47	1.59	1.82
-10	186	93	0.52	2.00	1.99

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

