

**APPROVALS**



**ENGINEERING CODE**  
513703070

**APPROVED REFRIGERANT**  
R-600a

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

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
LBP

**COOLING CAPACITY**  
252 W

**EFFICIENCY**  
1.79 W/W

**MOTOR TYPE**  
RSCR

**STARTING TORQUE**  
LST

DATA

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	14.77 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/3 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	14.8 Ω at 25° C
Run Winding Resistance	14.35 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.1 A

## Mechanical Data

Oil Charge	280 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	11.25 Kg

## Electrical Components

	Description
Motor Protection	4TM283KFBYY-53
Run Capacitor	5
Starting Device	TSD-220V TSD-220V0.6

## External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted/Copper
Discharge	4.94 mm	Slanted/Copper
Process	6.1 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	252 W	141 W	0.61 A	2.70 kg/h	1.79 W/W

Test Condition: ASHRAE, Static/NotControlled/220, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to ASHRAE guideline polynomial curve.

## 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	149	95	0.45	1.58	1.56
-30	187	107	0.5	2.00	1.76
-25	237	119	0.56	2.54	2
-20	302	132	0.62	3.24	2.28
-15	385	148	0.69	4.13	2.6
-10	488	165	0.77	5.25	2.95

Test Condition: ASHRAE, Static/NotControlled/220, LBP. Data in accordance to ASHRAE guideline polynomial curve.

### Condensing Temperature 45°C

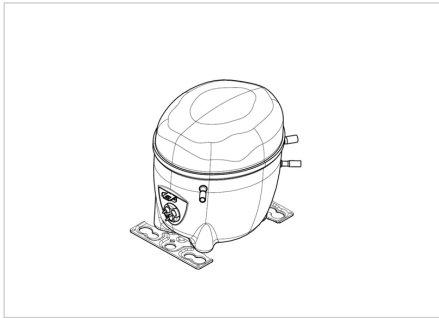
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	142	98	0.45	1.51	1.46
-30	183	112	0.51	1.96	1.64
-25	235	126	0.58	2.51	1.86
-20	299	143	0.65	3.21	2.1
-15	380	161	0.74	4.08	2.37
-10	480	181	0.83	5.16	2.66

Test Condition: ASHRAE, Static/NotControlled/220, LBP. Data in accordance to ASHRAE guideline polynomial curve.

### Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	135	100	0.43	1.45	1.36
-30	179	117	0.5	1.92	1.53
-25	231	135	0.59	2.48	1.71
-20	295	154	0.68	3.17	1.91
-15	373	175	0.78	4.01	2.13
-10	469	198	0.88	5.05	2.37


Test Condition: ASHRAE, Static/NotControlled/220, LBP. Data in accordance to ASHRAE guideline polynomial curve.





**APPROVALS**




 **ENGINEERING CODE**  
513703070

 **APPROVED REFRIGERANT**  
R-600a


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

 **STANDARD CONDITIONS**  
CECOMAF

 **APPLICATION**  
LBP

 **COOLING CAPACITY**  
190 W

 **EFFICIENCY**  
1.41 W/W

 **MOTOR TYPE**  
RSCR

 **STARTING TORQUE**  
LST

DATA

**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	14.77 cm <sup>3</sup>
Compressor Cooling	Static/NotControlled/220
Expansion Device	Capillary Tube
Horse Power	1/3 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	14.8 Ω at 25° C
Run Winding Resistance	14.35 Ω at 25° C
Rated Load Amperage (RLA) at 50 Hz	1.1 A

## Mechanical Data

Oil Charge	280 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	11.25 Kg

## Electrical Components

	Description
Motor Protection	4TM283KFBYY-53
Run Capacitor	5
Starting Device	TSD-220V TSD-220V0.6

## External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted/Copper
Discharge	4.94 mm	Slanted/Copper
Process	6.1 mm	Slanted/Copper

## PERFORMANCE

## Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
55.00°C	-25.00°C	190 W	135 W	0.59 A	2.52 kg/h	1.41 W/W

Test Condition: CECOMAF, Static/NotControlled/220, Return Gas 32°C, Evaporation -25.00°C, Condensing 55.00°C, Ambient 32°C, Liquid 55°C. Data in accordance to CECOMAF guideline polynomial curve.

## 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	145	95	0.45	1.62	1.53
-30	183	107	0.5	2.03	1.71
-25	232	119	0.56	2.56	1.95
-20	295	132	0.62	3.25	2.23
-15	376	148	0.69	4.14	2.55
-10	477	165	0.77	5.26	2.89

Test Condition: CECOMAF, Static/NotControlled/220, LBP. Data in accordance to CECOMAF guideline polynomial curve.

### Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	128	98	0.45	1.56	1.32
-30	165	112	0.51	2.00	1.48
-25	211	126	0.58	2.54	1.67
-20	269	143	0.65	3.23	1.89
-15	342	161	0.74	4.10	2.13
-10	432	181	0.83	5.17	2.39

Test Condition: CECOMAF, Static/NotControlled/220, LBP. Data in accordance to CECOMAF guideline polynomial curve.

### Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	112	100	0.43	1.51	1.12
-30	148	117	0.5	1.97	1.26
-25	190	135	0.59	2.52	1.41
-20	242	154	0.68	3.20	1.57
-15	307	175	0.78	4.04	1.75
-10	385	198	0.88	5.07	1.95

Test Condition: CECOMAF, Static/NotControlled/220, LBP. Data in accordance to CECOMAF guideline polynomial curve.