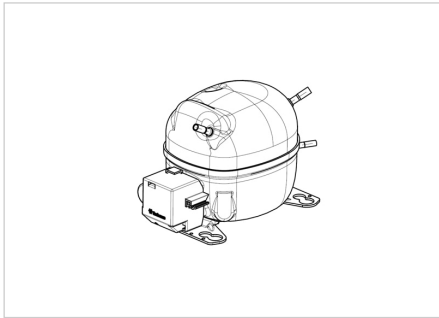


MODEL

EMT6144Y

embraco

**APPROVALS**
 **ENGINEERING CODE**

872LA67

 **APPROVED REFRIGERANT**

R-600a

 **POWER SUPPLY**

220-240 V 50 Hz

 **STANDARD CONDITIONS**

ASHRAE

 **APPLICATION**

HBP

 **COOLING CAPACITY**

539 W

 **EFFICIENCY**

2.48 W/W

 **MOTOR TYPE**

CSIR

 **STARTING TORQUE**

HST

DATA**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	9.04 cm ³
Compressor Cooling	Fan/NotControlled/220
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1/5 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-15 °C to 10 °C

Electrical Data

Motor type	CSIR
Starting Torque	HST

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Weight	7.8 Kg

Electrical Components

	Description
Starting Device	Relay MTRP-0015*
Start Capacitor	43-53 7F / 330 V
Motor Protection	T0933/G6

External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42°/Copper
Discharge	4.86 mm	Straight/Copper
Process	6.1 mm	Slanted 42°/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	7.20°C	539 W	217 W	1.23 A	6.48 kg/h	2.48 W/W

Test Condition: ASHRAE, Fan/NotControlled/220, Return Gas 35°C, Evaporation 7.20°C, Condensing 54.40°C, Ambient 35°C, Liquid 46.1°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
-15	260	127	0.94	2.65	2.05
-10	330	139	0.98	3.37	2.37
-5	409	152	1.02	4.19	2.7
0	500	165	1.06	5.13	3.02
5	602	180	1.11	6.21	3.35

Test Condition: ASHRAE, Fan/NotControlled/220, HBP. 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
-15	241	136	0.97	2.64	1.77
-10	304	149	1.01	3.35	2.04
-5	377	163	1.05	4.16	2.31
0	460	178	1.1	5.08	2.58
5	554	194	1.15	6.15	2.86

Test Condition: ASHRAE, Fan/NotControlled/220, HBP. 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
-15	216	142	0.98	2.57	1.52
-10	273	158	1.04	3.25	1.72
-5	337	175	1.09	4.03	1.93
0	410	192	1.15	4.93	2.14
5	494	210	1.21	5.96	2.35

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