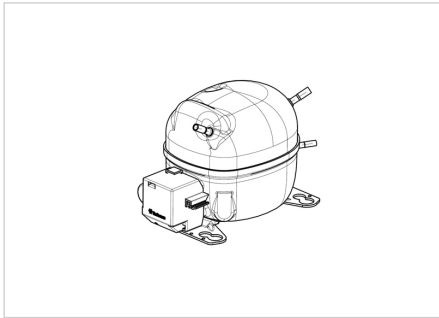




MODEL

EMT6152U**embraco****APPROVALS**


 **ENGINEERING CODE**
872FA67

 **APPROVED REFRIGERANT**
R-290

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

 **STANDARD CONDITIONS**
ASHRAE

 **APPLICATION**
MBP

 **COOLING CAPACITY**
729 W

 **EFFICIENCY**
2.62 W/W

 **MOTOR TYPE**
CSIR

 **STARTING TORQUE**
HST

DATA**General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.19 cm ³
Compressor Cooling	Fan/NotControlled/220
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1/4 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-20 °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
Start Capacitor	43-53 ?F / 330 V
Starting Device	Relay MTRP-34*
Motor Protection	T0250/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	729 W	279 W	1.55 A	8.52 kg/h	2.62 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
-20	345	164	1.21	3.31	2.1
-15	423	175	1.23	4.08	2.42
-10	508	184	1.25	4.93	2.76
-5	605	193	1.28	5.90	3.14
0	719	200	1.31	7.05	3.59
5	855	207	1.33	8.43	4.12

Test Condition: ASHRAE, Fan/NotControlled/220, MBP. 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
-20	299	178	1.24	3.10	1.68
-15	372	192	1.27	3.88	1.94
-10	450	205	1.31	4.72	2.2
-5	539	216	1.35	5.68	2.49
0	642	227	1.39	6.82	2.82
5	765	239	1.43	8.19	3.21

Test Condition: ASHRAE, Fan/NotControlled/220, MBP. 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
-20	264	193	1.28	2.98	1.37
-10	395	226	1.39	4.52	1.75
-5	472	242	1.44	5.44	1.95
0	561	258	1.5	6.52	2.18
5	668	274	1.54	7.84	2.44

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