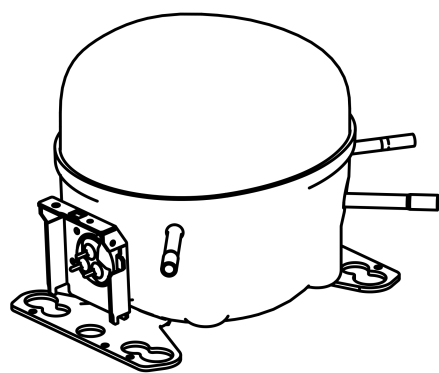


EMT6160Y



ENGINEERING CODE
872MA67



REFRIGERANT
R-600a



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
HBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
571 W



EFFICIENCY
2.09 W/W

DATA

GENERAL DATA

Model	EMT6160Y
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/4
Starting Torque	HST
Plant	ITALY

ELECTRICAL DATA

Start Winding Resistance	null
Run Winding Resistance	null
Locked Rotor Amperage (LRA) 50Hz	9.8 A

MECHANICAL DATA

Displacement	11.14 cm ³
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-36*
Overload Protection	T0933/G6

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	HBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
Max Refrigerant Charge	150 g
Refrigerant Temperature	Dew

RATED POINTS

Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
50	5	571	2.09	273	-	7.78

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

PERFORMANCE CURVE

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-15	305	1.87	163	-	3.58
-10	380	2.10	181	-	4.48
-5	467	2.30	203	-	5.51
0	566	2.52	224	-	6.70
5	677	2.77	244	-	8.06
10	801	3.08	260	-	9.58

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

PERFORMANCE CURVE

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-15	269	1.54	175	-	3.45
-10	337	1.76	192	-	4.33
-5	416	1.94	214	-	5.36
0	505	2.10	241	-	6.54
5	607	2.26	268	-	7.88
10	720	2.45	294	-	9.40

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	293	1.49	197	-	4.16
-5	364	1.68	217	-	5.17
0	444	1.82	244	-	6.34
5	535	1.95	274	-	7.67
10	636	2.08	307	-	9.18

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

ENVELOPE



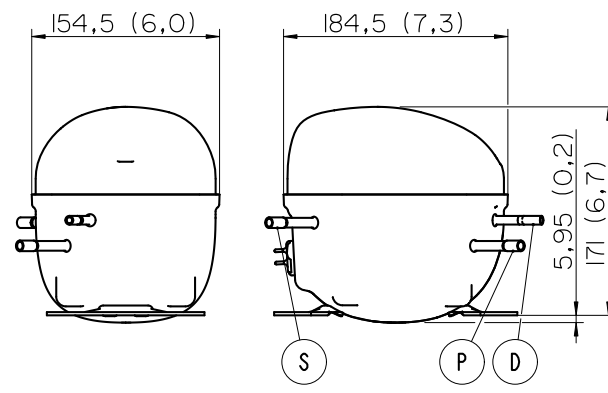
External

EXTERNAL CHARACTERISTICS

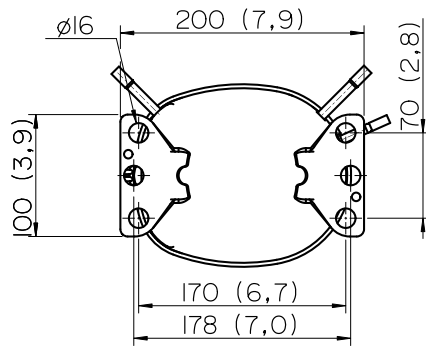
Base Plate		SMALL	
Tray Holder		YES	
Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42°	COPPER
Discharge	4.86 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

