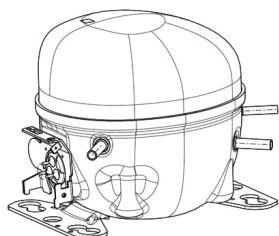


EMY6187Z



ENGINEERING CODE
171DA82

REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
HBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
1037 W

EFFICIENCY
2.53 W/W



DATA

GENERAL DATA

Model	EMY6187Z
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	17.7 Ω at 25°C
Run Winding Resistance	7.85 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	13.5 A

MECHANICAL DATA

Displacement	9.87 cm ³
Oil Charge	200 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	8.2 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	4TM319NFBYY-153

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
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Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 46°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-134a
Tested Application	HBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
Max Refrigerant Charge	250 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
54.4	7.2	1037	2.53	410	2.29	22.93

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	514	2.35	219	1.64	9.49
-10	649	2.67	243	1.71	12.02
-5	809	3.00	269	1.79	15.03
0	994	3.39	294	1.87	18.56
5	1206	3.86	313	1.95	22.64
10	1445	4.47	323	2.04	27.29

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	458	1.88	243	1.70	9.12
-10	577	2.15	268	1.79	11.55
-5	720	2.40	299	1.89	14.46
0	887	2.66	333	1.98	17.90
5	1078	2.95	365	2.09	21.88
10	1293	3.29	393	2.20	26.44

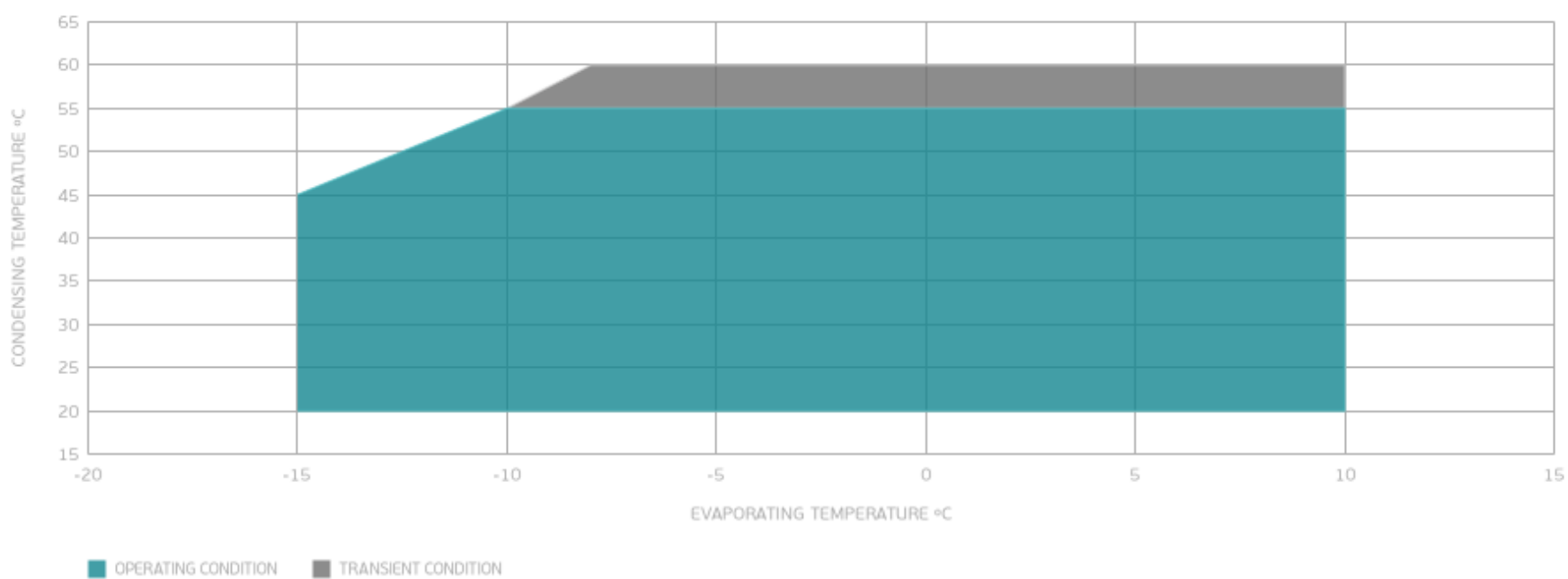
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	505	1.78	284	1.85	11.03
-5	630	2.00	315	1.97	13.82
0	777	2.20	353	2.10	17.13
5	946	2.41	393	2.24	20.99
10	1138	2.63	433	2.39	25.43

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS

