

EMY6135Y



ENGINEERING CODE
720DI72



REFRIGERANT
R-600a



POWER SUPPLY
220-240 V 50-60
Hz



APPLICATION
HBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
364 W



EFFICIENCY
2.56 W/W

DATA

GENERAL DATA

Model	EMY6135Y
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	HBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Static/220
HP	1/8
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	15.9 Ω at 25°C
Run Winding Resistance	24.7 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	8.5 A
Locked Rotor Amperage (LRA) 60Hz	8.5 A

MECHANICAL DATA

Displacement	7.23 cm ³
Oil Charge	150 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	DRB276K61AY

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
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Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42°	COPPER
Discharge	4.94 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 46°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	HBP
Tested Standard	EN12900
Tested Cooling	Static
Tested Voltage	220 V
Tested Frequency	50 Hz
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	364	2.56	142	-	4.96

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	193	2.22	87	-	2.27
-10	242	2.55	95	-	2.85
-5	300	2.91	103	-	3.55
0	367	3.32	111	-	4.35
5	445	3.83	116	-	5.29
10	532	4.52	118	-	6.36

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	167	1.73	97	-	2.14
-10	210	2.01	105	-	2.70
-5	262	2.28	115	-	3.37
0	322	2.56	126	-	4.16
5	391	2.88	136	-	5.08
10	470	3.26	144	-	6.13

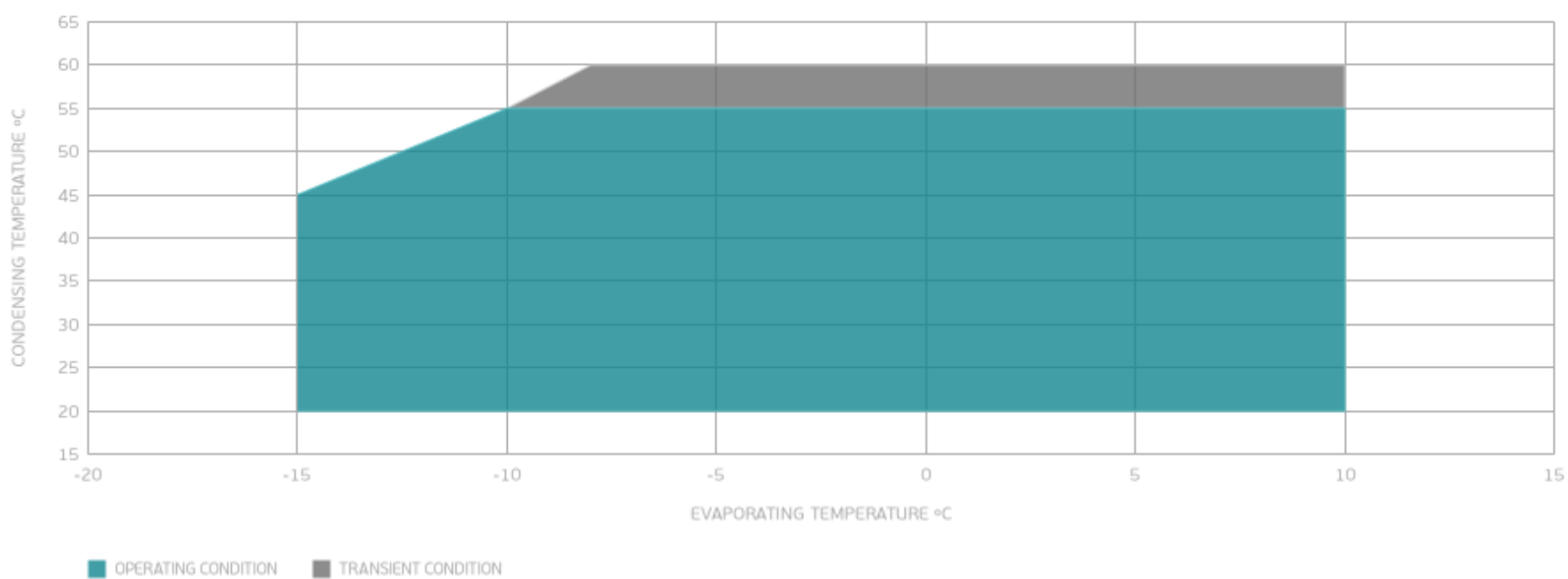
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	179	1.62	111	-	2.54
-5	224	1.85	121	-	3.18
0	276	2.07	134	-	3.95
5	337	2.30	147	-	4.84
10	407	2.55	160	-	5.87

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

ENVELOPE



EXTERNAL DIMENSIONS

