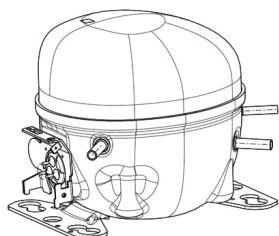


EMX6152U



ENGINEERING CODE
721GI52

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50-60 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
463 W

EFFICIENCY
2.12 W/W



DATA

GENERAL DATA

Model	EMX6152U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/240
HP	1/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	13.75 Ω at 25°C
Run Winding Resistance	13.0 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	11 A
Locked Rotor Amperage (LRA) 60Hz	11 A

MECHANICAL DATA

Displacement	5.19 cm ³
Oil Charge	150 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.7 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	4TM319NFBYY-53

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-290
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	240 V
Tested Frequency	60 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
45	-10	463	2.12	218	-	5.69

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
-20	353	2.12	167	-	3.91
-15	436	2.42	180	-	4.86
-10	536	2.77	194	-	6.00
-5	653	3.17	206	-	7.36
0	788	3.67	214	-	8.94
5	941	4.32	218	-	10.78
10	1114	5.21	214	-	12.89

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
-20	304	1.64	185	-	3.70
-15	376	1.87	201	-	4.60
-10	463	2.12	218	-	5.69
-5	564	2.39	236	-	6.99
0	682	2.71	252	-	8.52
5	816	3.09	264	-	10.30
10	968	3.57	271	-	12.34

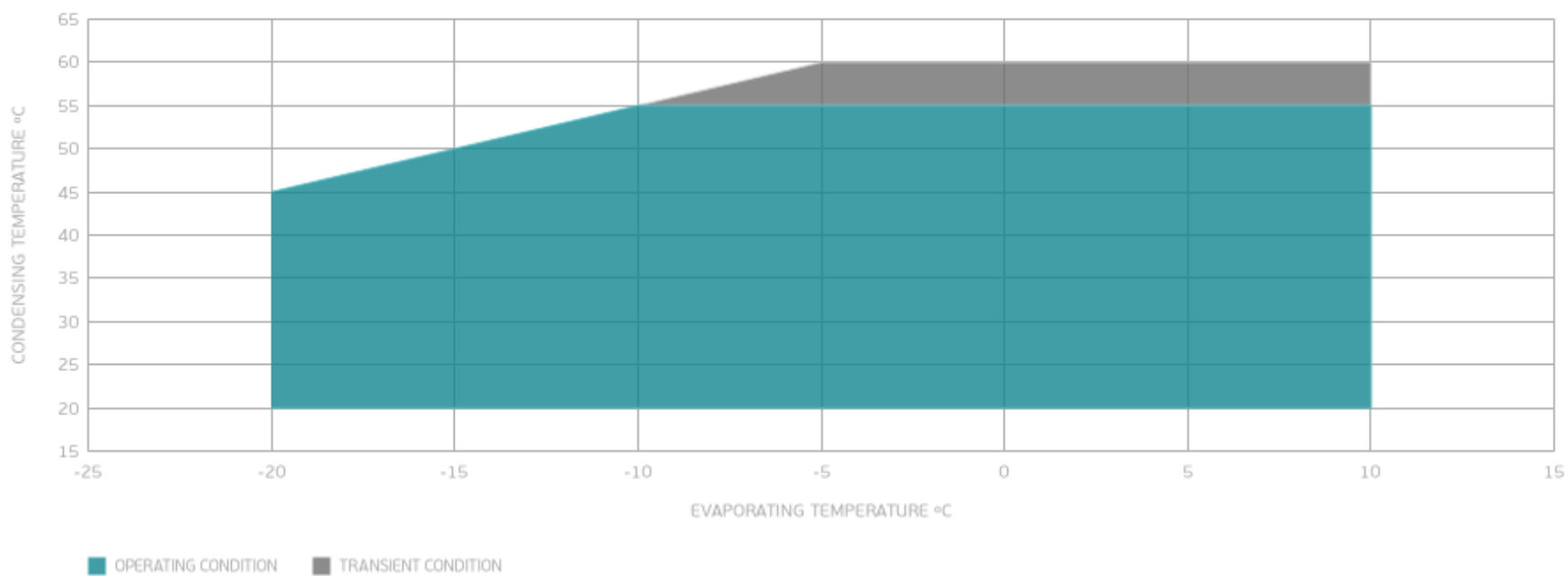
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	388	1.67	233	-	5.33
-5	474	1.86	254	-	6.56
0	574	2.08	276	-	8.02
5	689	2.33	295	-	9.73
10	819	2.63	311	-	11.70

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

ENVELOPE



EXTERNAL DIMENSIONS

