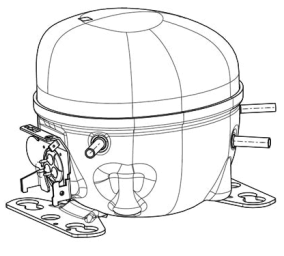
COMPRESSOR TECHNICAL DATA

EMX6152U



ENGINEERING CODE
721GI52

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50-60 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
505 W

EFFICIENCY
2.05 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/220
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

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	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 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
54.4	-6.7	505	2.05	247	1.43	5.78

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

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	384	2.30	167	1.14	3.69
-15	474	2.63	180	1.19	4.59
-10	583	3.00	194	1.23	5.66
-5	709	3.44	206	1.27	6.92
0	855	3.98	215	1.30	8.38
5	1020	4.67	218	1.32	10.07
10	1206	5.62	215	1.34	12.00

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

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	336	1.81	186	1.18	3.50
-15	416	2.07	201	1.25	4.34
-10	511	2.34	219	1.31	5.36
-5	623	2.64	236	1.37	6.57
0	753	2.98	253	1.42	7.99
5	900	3.40	265	1.47	9.62
10	1067	3.92	272	1.51	11.49

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

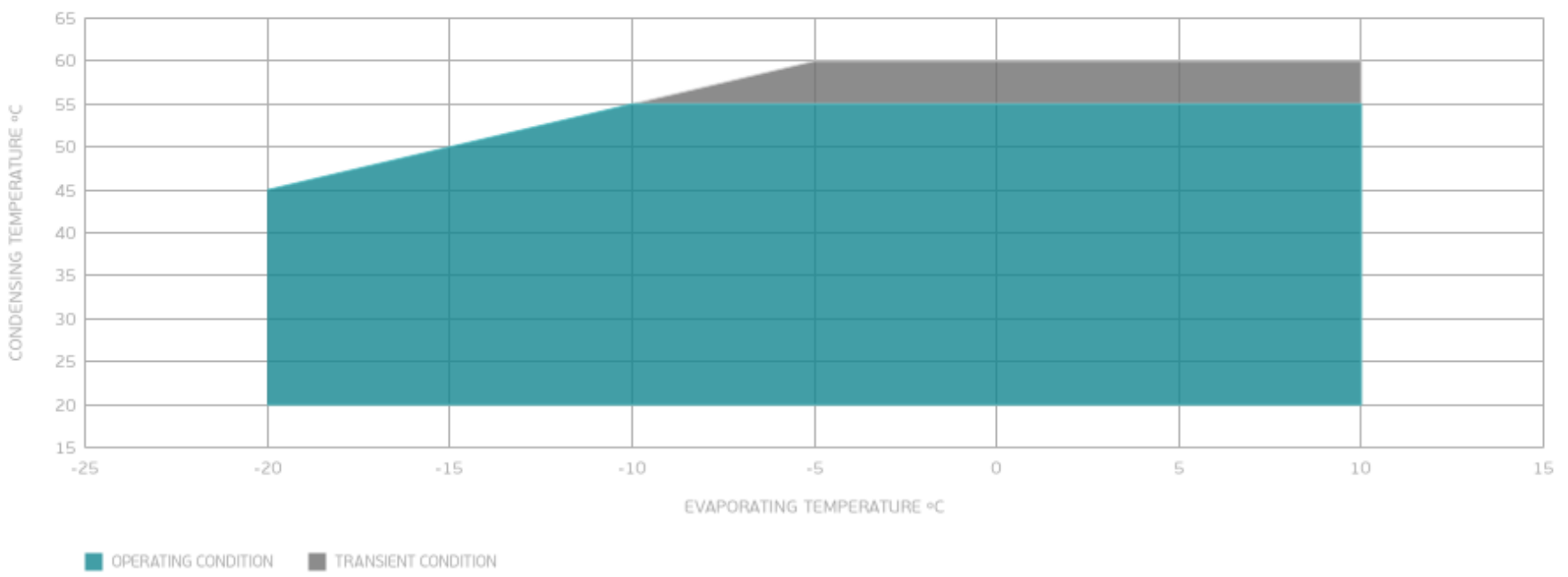
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	438	1.87	234	1.39	5.02
-5	535	2.10	255	1.46	6.17
0	648	2.34	277	1.54	7.52
5	777	2.62	297	1.61	9.09
10	924	2.95	313	1.68	10.89

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

ENVELOPE



EXTERNAL DIMENSIONS

