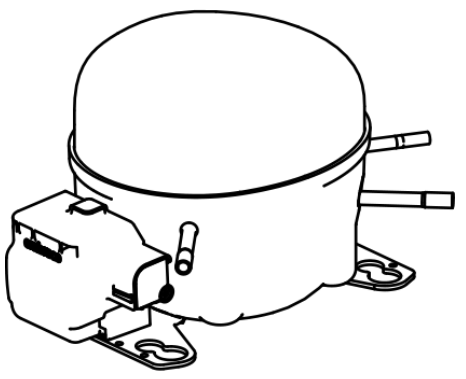
COMPRESSOR TECHNICAL DATA

EMX6210U



ENGINEERING CODE
721AA80

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
778 W

EFFICIENCY
2.01 W/W

DATA

GENERAL DATA

Model	EMX6210U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	14.2 Ω at 25°C
Run Winding Resistance	9.2 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	16 A

MECHANICAL DATA

Displacement	9.04 cm^3
Oil Charge	150 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.4 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	QL2-6R2*
Overload Protection	4TM757KFBYY-153 DRB30N61AYF

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	YES

Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42º UP + 45° TO BACK	COPPER
Discharge	6.1 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	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
54.4	-6.7	778	2.01	387	2.23	8.89

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	591	2.26	262	1.78	5.69
-15	726	2.57	283	1.85	7.02
-10	884	2.91	303	1.91	8.58
-5	1066	3.33	320	1.97	10.40
0	1273	3.84	332	2.01	12.48
5	1505	4.49	335	2.04	14.86
10	1763	5.38	328	2.06	17.54

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	522	1.81	289	1.84	5.43
-15	642	2.05	314	1.94	6.71
-10	784	2.30	341	2.04	8.22
-5	947	2.57	368	2.13	9.99
0	1132	2.89	391	2.21	12.01
5	1340	3.27	409	2.28	14.32
10	1571	3.74	420	2.33	16.92

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

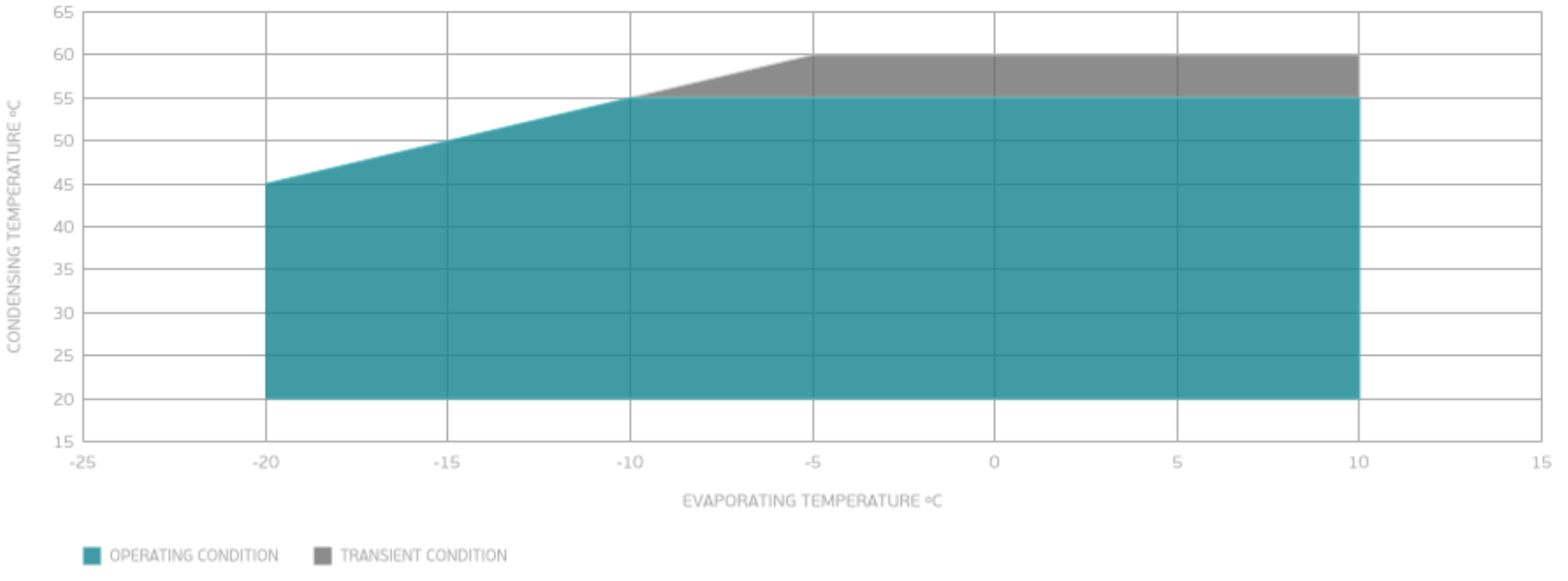
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	678	1.85	367	2.16	7.77
-5	821	2.05	400	2.28	9.47
0	984	2.27	433	2.40	11.42
5	1168	2.52	464	2.52	13.65
10	1372	2.81	489	2.62	16.18

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