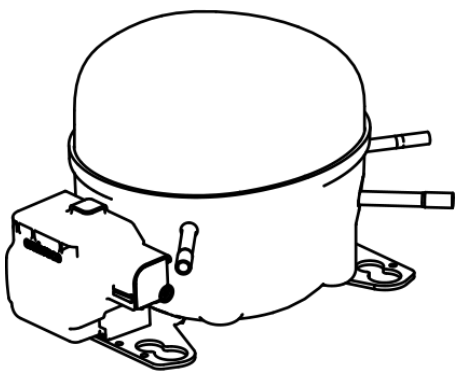
COMPRESSOR TECHNICAL DATA

EMY6210U



ENGINEERING CODE
721PA80

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
666 W

EFFICIENCY
1.81 W/W

DATA

GENERAL DATA

Model	EMY6210U
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	14.3 Ω at 25°C
Run Winding Resistance	11.2 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	13.5 A

MECHANICAL DATA

Displacement	9.04 cm^3
Oil Charge	150 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRPH-0025-77*
Overload Protection	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	EN12900
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
45	-10	666	1.81	368	2.18	8.19

Test Condition: Subcooling 0 K, Return Gas 20 °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
-20	514	1.79	287	1.94	5.70
-15	633	2.06	307	2.01	7.06
-10	775	2.37	327	2.06	8.67
-5	938	2.74	342	2.10	10.57
0	1125	3.19	353	2.14	12.77
5	1336	3.76	356	2.17	15.30
10	1572	4.51	348	2.21	18.18

Test Condition: Subcooling 0 K, Return Gas 20 °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
-20	442	1.39	317	1.99	5.37
-15	544	1.59	342	2.09	6.65
-10	666	1.81	368	2.18	8.19
-5	808	2.05	394	2.25	10.01
0	971	2.32	418	2.33	12.13
5	1156	2.64	437	2.40	14.58
10	1363	3.03	449	2.49	17.39

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

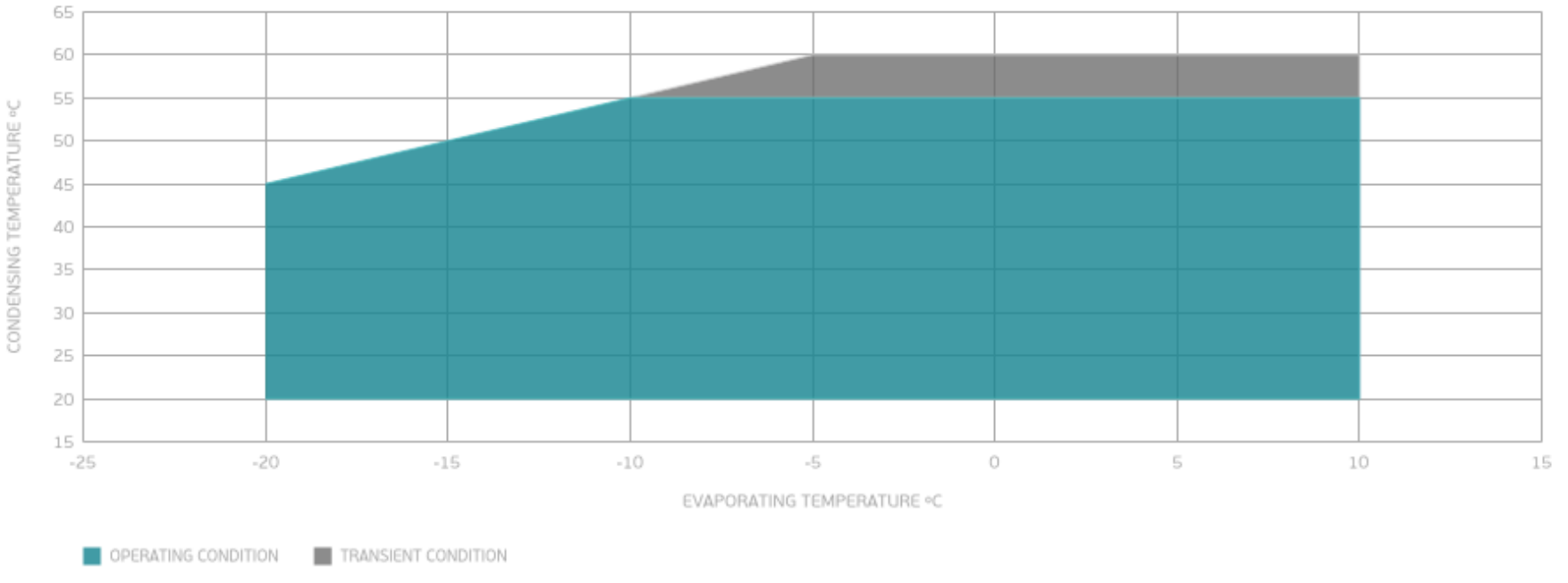
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	557	1.40	398	2.31	7.66
-5	677	1.57	432	2.42	9.38
0	816	1.75	466	2.53	11.40
5	974	1.95	498	2.65	13.76
10	1153	2.19	527	2.78	16.47

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS

