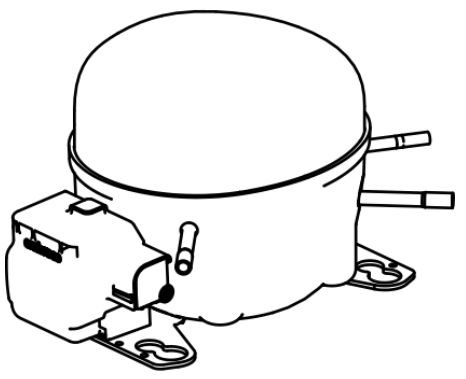
COMPRESSOR TECHNICAL DATA

EMX2134U



ENGINEERING CODE
721NA52

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
255 W

EFFICIENCY
1.31 W/W

DATA

GENERAL DATA

Model	EMX2134U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	17.05 Ω at 25°C
Run Winding Resistance	9.15 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	ISO10
Weight	8.1 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRPH-0025-77*
Overload Protection	4TM319KDBYY

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

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	LBP
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
40	-35	255	1.31	196	-	2.93

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
-40	214	1.27	168	-	2.34
-35	276	1.44	191	-	3.03
-30	352	1.64	214	-	3.87
-25	443	1.86	238	-	4.89
-20	550	2.11	260	-	6.10
-15	674	2.40	281	-	7.50
-10	814	2.73	298	-	9.11

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
-40	182	1.04	174	-	2.18
-35	235	1.18	199	-	2.83
-30	301	1.33	227	-	3.64
-25	381	1.49	256	-	4.61
-20	475	1.66	286	-	5.78
-15	583	1.85	315	-	7.13
-10	707	2.07	342	-	8.70

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

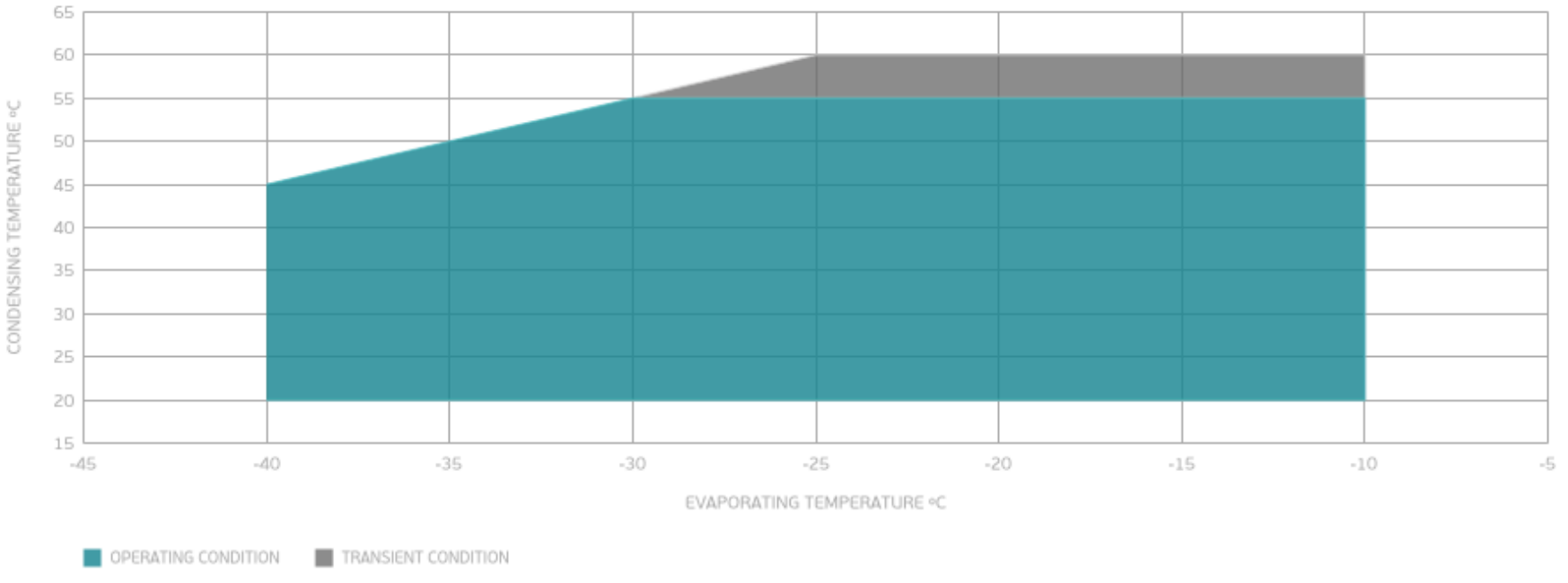
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	249	1.06	234	-	3.35
-25	317	1.18	268	-	4.28
-20	397	1.31	303	-	5.39
-15	491	1.45	340	-	6.70
-10	598	1.59	376	-	8.21

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

ENVELOPE



EXTERNAL DIMENSIONS

