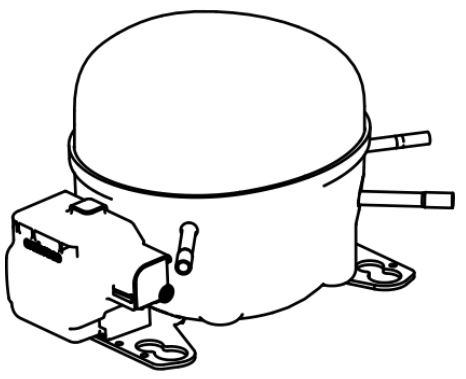
COMPRESSOR TECHNICAL DATA

EMX26CLC



ENGINEERING CODE
710NA98

REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSCR

STANDARD
EN12900

COOLING CAPACITY
40 W

EFFICIENCY
1.27 W/W

DATA

GENERAL DATA

Model	EMX26CLC
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/10
Starting Torque	LST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	27.4 Ω at 25°C
Run Winding Resistance	52.2 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	2.1 A

MECHANICAL DATA

Displacement	5.19 cm^3
Oil Charge	150 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.1 Kg

ELECTRICAL COMPONENTS

Run Capacitor	2.0 µf/350 V
CSR CSIR BOX	No
Starting Device Description	TSD2-220V TSD2-220V1.2 TSD2-D-220V
Overload Protection	4TM134KDBYY CP4TMC112N61A5 DRB150N61A*

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Static
Tested Voltage	220 V
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	40	1.27	31	-	0.48

Test Condition: Subcooling 0 K, Return Gas 20 ºC. 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
-35	43	1.40	30	-	0.50
-30	59	1.67	35	-	0.69
-25	81	1.97	41	-	0.95
-20	107	2.29	47	-	1.26
-15	138	2.63	53	-	1.63
-10	174	2.99	58	-	2.05
-5	214	3.38	63	-	2.53
0	258	3.81	68	-	3.05

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
-35	36	1.16	31	-	0.46
-30	51	1.37	37	-	0.64
-25	69	1.60	43	-	0.88
-20	93	1.83	50	-	1.18
-15	120	2.07	58	-	1.54
-10	151	2.31	66	-	1.95
-5	187	2.56	73	-	2.41
0	226	2.82	80	-	2.92

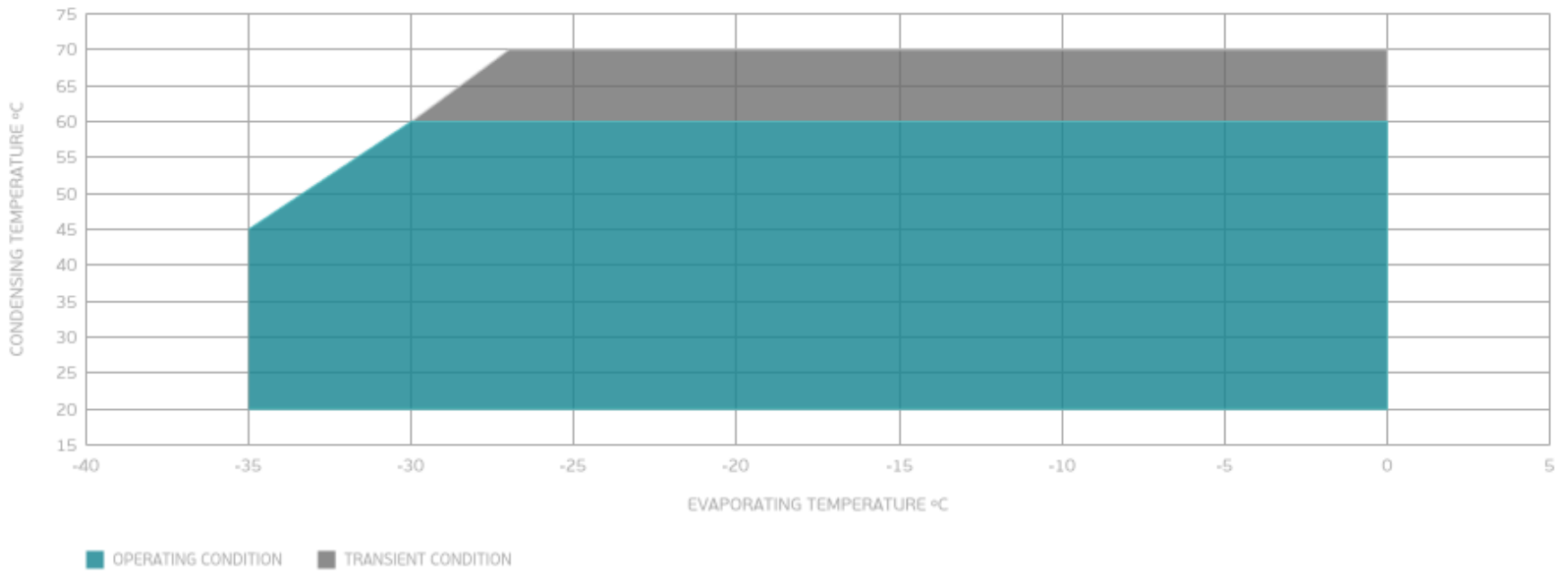
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	42	1.13	37	-	0.58
-25	58	1.31	44	-	0.81
-20	77	1.49	52	-	1.09
-15	101	1.67	61	-	1.43
-10	129	1.83	70	-	1.82
-5	159	2.00	80	-	2.27
0	193	2.17	89	-	2.76

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

ENVELOPE



External

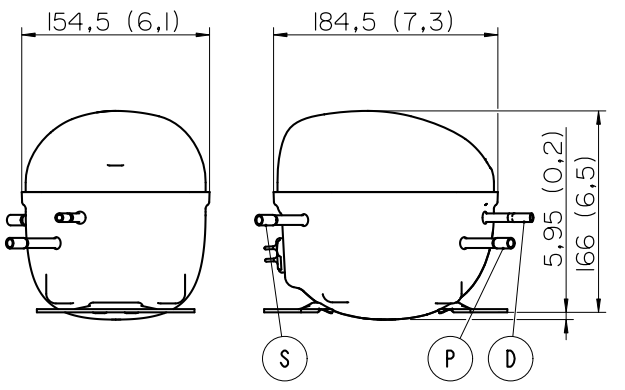
EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	YES

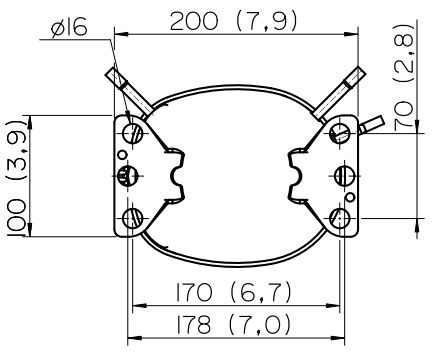
Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42º UP + 45° TO BACK	COPPER
Discharge	5.1 mm	SLANTED 42º UP + 45° TO BACK	COPPER
Process	6 mm	SLANTED 43° UP + 45° TO BACK	COPPER(OD)

EXTERNAL DIMENSIONS

SHELL



BASE



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