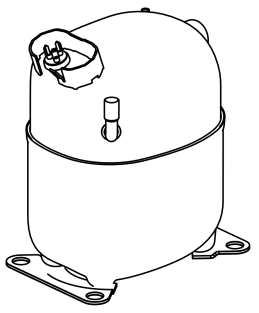
COMPRESSOR TECHNICAL DATA

NJX6244U



ENGINEERING CODE
887GA21

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
2774 W

EFFICIENCY
1.99 W/W

DATA

GENERAL DATA

Model	NJX6244U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1 3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	6.96 Ω at 25°C
Run Winding Resistance	1.27 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	52 A

MECHANICAL DATA

Displacement	37.88 cm^3
Oil Charge	750 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	21.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	17.5 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA4L3C-566
Overload Protection	15HM1963-248 (internal)

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
Max Refrigerant Charge	500 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	2774	1.99	1392	7.35	34.13

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	2120	1.96	1083	6.24	23.49
-15	2633	2.24	1176	6.61	29.35
-10	3234	2.53	1278	6.97	36.23
-5	3929	2.85	1378	7.34	44.27
0	4723	3.23	1463	7.70	53.60
5	5620	3.70	1520	8.05	64.35
10	6628	4.31	1537	8.40	76.68

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	1814	1.54	1180	6.46	22.08
-15	2252	1.77	1273	6.90	27.56
-10	2774	1.99	1392	7.35	34.13
-5	3385	2.22	1525	7.82	41.94
0	4091	2.47	1660	8.31	51.11
5	4897	2.75	1783	8.81	61.80
10	5809	3.08	1883	9.32	74.13

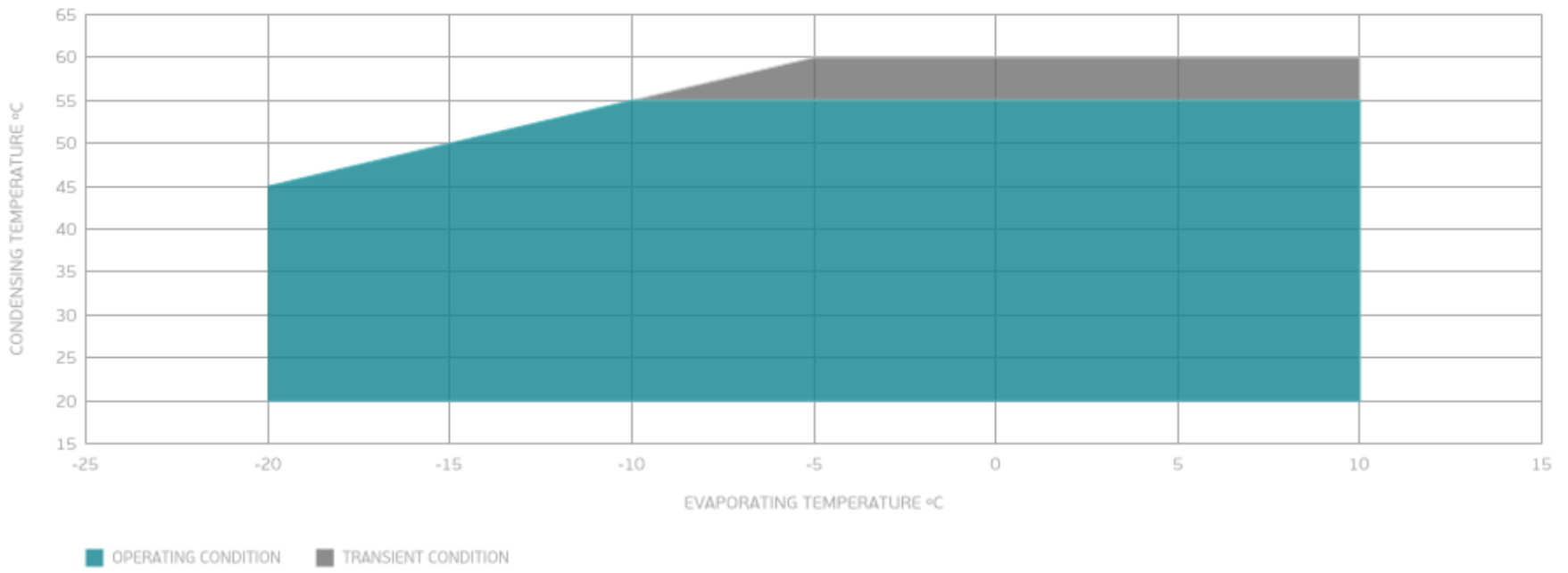
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	2359	1.62	1460	7.87	32.40
-5	2876	1.79	1605	8.46	39.83
0	3485	1.97	1768	9.09	48.70
5	4189	2.16	1937	9.75	59.16
10	4994	2.38	2098	10.44	71.34

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

ENVELOPE



External

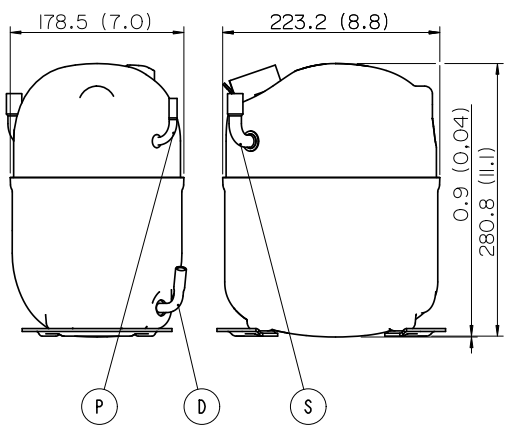
EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	NO

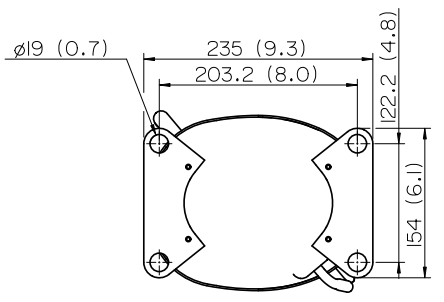
Connector	Internal Diameter	Shape	Material
Suction	12.81 mm	VERTICAL	COPPER
Discharge	8.04 mm	SLANTED J	COPPER
Process	6.45 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE