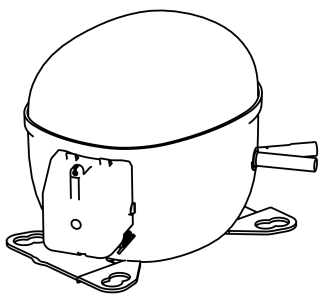
COMPRESSOR TECHNICAL DATA

NT6224U



ENGINEERING CODE
842CA09

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
1671 W

EFFICIENCY
2.03 W/W

DATA

GENERAL DATA

Model	NT6224U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	8.8 Ω at 25°C
Run Winding Resistance	2.3 Ω at 25°C

MECHANICAL DATA

Displacement	22.37 cm^3
Oil Charge	450 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	17.2 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
Run Capacitor	20.0 µf/420 V
CSR CSIR BOX	Yes
Starting Device Description	RVA3AN3C-575
Overload Protection	T0907/G6

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	MBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
Max Refrigerant Charge	400 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	1671	2.03	825	3.87	19.11

Test Condition: Subcooling 8.3 K, Return Gas 35 °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	1260	2.21	570	2.64	12.13
-15	1606	2.60	618	2.86	15.53
-10	2001	2.99	669	3.06	19.42
-5	2442	3.40	717	3.25	23.82
0	2928	3.88	756	3.44	28.72
5	3456	4.44	778	3.61	34.11
10	4024	5.18	777	3.77	40.00

Test Condition: Subcooling 8.3 K, Return Gas 35 °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	1050	1.68	624	2.84	10.92
-15	1348	1.99	677	3.12	14.08
-10	1697	2.29	741	3.38	17.80
-5	2093	2.59	807	3.62	22.07
0	2536	2.91	871	3.84	26.91
5	3022	3.26	926	4.05	32.30
10	3549	3.68	965	4.24	38.25

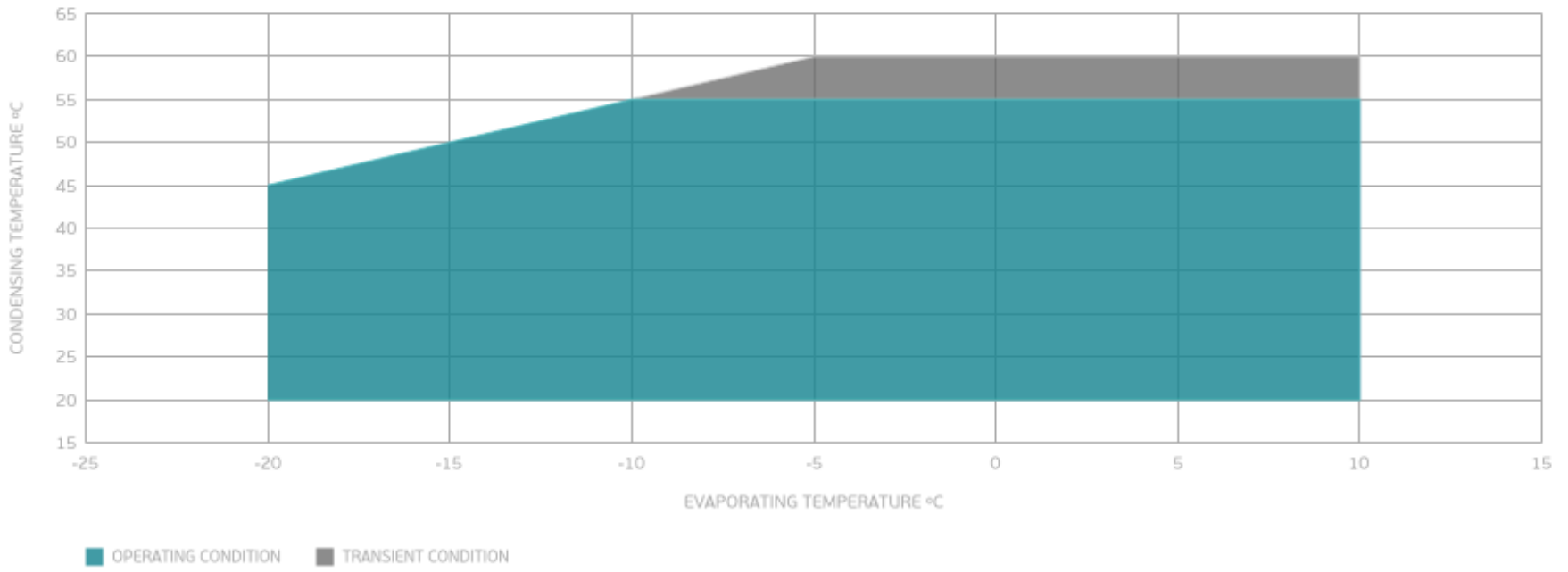
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	1433	1.85	776	3.67	16.43
-5	1776	2.08	853	4.00	20.48
0	2167	2.32	934	4.30	25.15
5	2603	2.57	1013	4.58	30.43
10	3082	2.85	1083	4.83	36.34

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

ENVELOPE



External

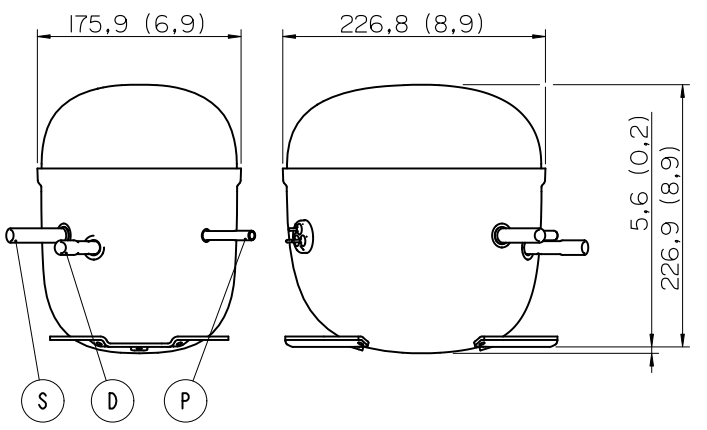
EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

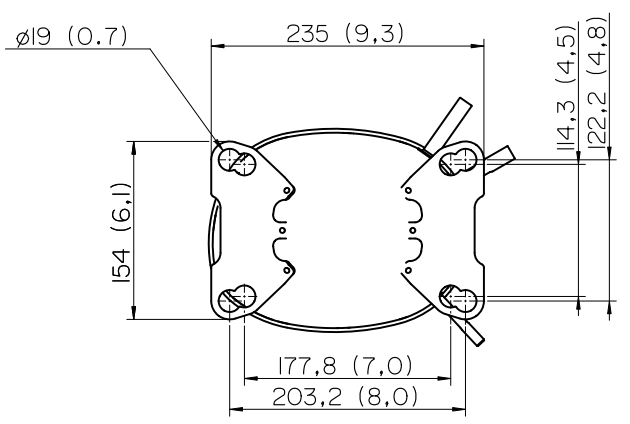
Connector	Internal Diameter	Shape	Material
Suction	12.7 mm	ROTOLOCK(EX. THR. 1"-14UNS-2A)	STEEL
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



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