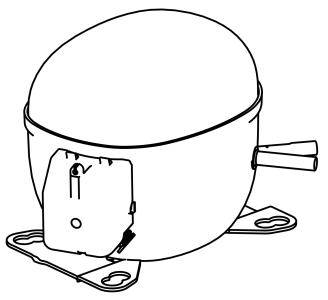
COMPRESSOR TECHNICAL DATA

NT2170U



ENGINEERING CODE
842BD04

REFRIGERANT
R-290

POWER SUPPLY
208-230 V 60 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
916 W

EFFICIENCY
1.31 W/W

DATA

GENERAL DATA

Model	NT2170U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/208
HP	1-
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	10.1 Ω at 25°C
Run Winding Resistance	1.75 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	30 A

MECHANICAL DATA

Displacement	20.44 cm^3
Oil Charge	450 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	17 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRPH61-65*
Overload Protection	T0748/J5

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	208 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	-23.3	916	1.31	700	4.53	9.3

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. 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
-40	470	1.12	418	3.46	4.74
-35	609	1.29	473	3.64	6.15
-30	783	1.46	537	3.86	7.92
-25	994	1.64	606	4.12	10.09
-20	1246	1.84	678	4.41	12.68
-15	1541	2.06	748	4.75	15.75
-10	1882	2.31	816	5.12	19.32

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °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
-40	430	0.98	439	3.49	4.33
-35	557	1.12	496	3.70	5.62
-30	719	1.27	567	3.96	7.28
-25	920	1.42	648	4.26	9.33
-20	1162	1.58	737	4.61	11.83
-15	1449	1.75	829	5.00	14.80
-10	1782	1.93	923	5.45	18.29

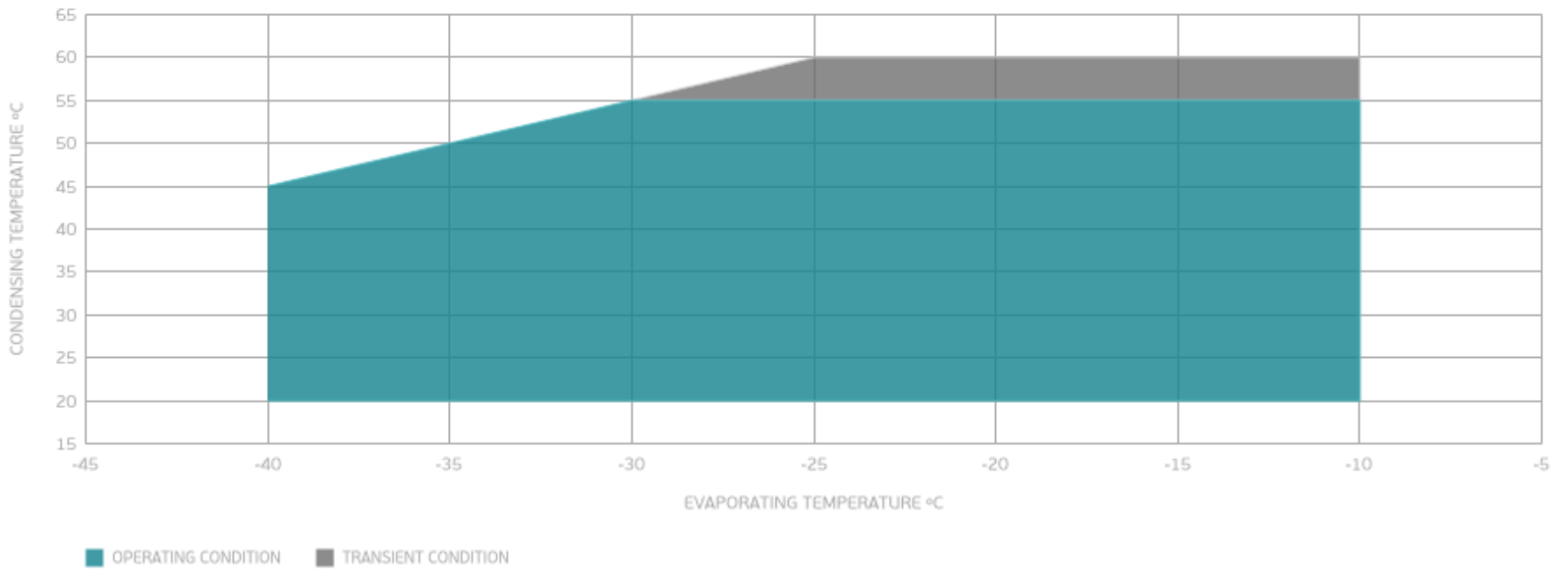
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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
-30	650	1.12	578	4.05	6.58
-25	838	1.25	668	4.40	8.50
-20	1067	1.39	769	4.81	10.86
-15	1342	1.53	880	5.27	13.71
-10	1665	1.67	996	5.79	17.08

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



External

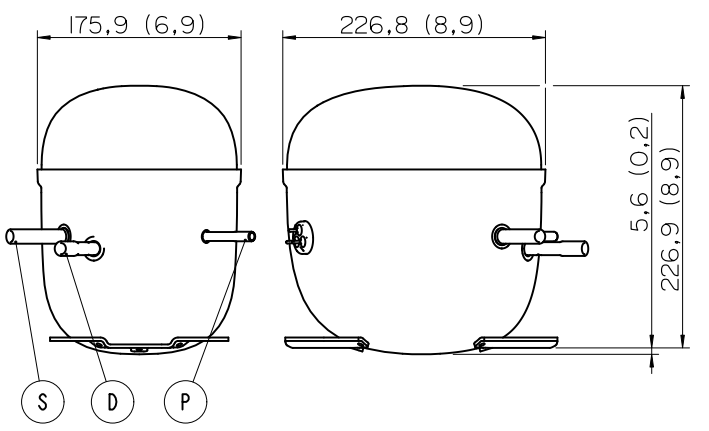
EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

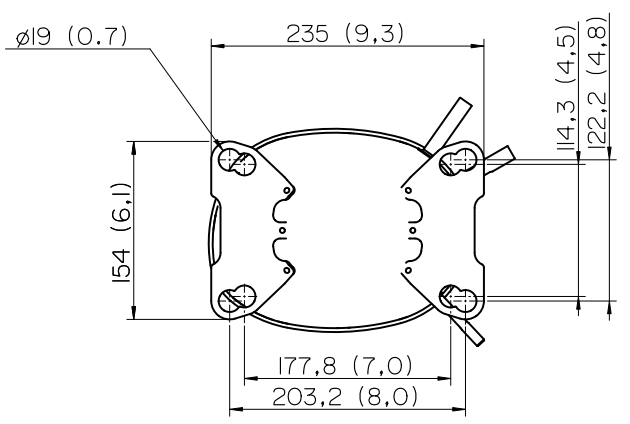
Connector	Internal Diameter	Shape	Material
Suction	9.6 mm	VERTICAL	COPPER
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE