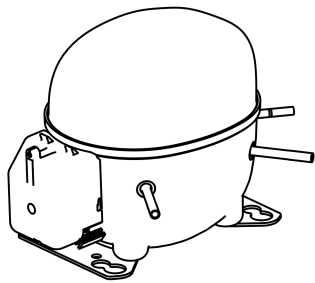


NEK6213U



ENGINEERING CODE
863CA41



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
810 W



EFFICIENCY
1.62 W/W



DATA

GENERAL DATA

Model	NEK6213U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	20.88 Ω at 25°C
Run Winding Resistance	3.93 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	19.3 A

MECHANICAL DATA

Displacement	12.11 cm ³
Oil Charge	350 ml
Oil Type	AB
Oil Viscosity	ISO32
Weight	11.1 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-0050*
Overload Protection	T0743/G6

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
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	810	1.62	501	3.6	9.97

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	618	1.58	392	3.31	6.85
-15	765	1.82	421	3.40	8.53
-10	941	2.07	454	3.49	10.54
-5	1147	2.37	485	3.57	12.92
0	1384	2.72	509	3.66	15.71
5	1654	3.17	521	3.74	18.94
10	1957	3.79	517	3.82	22.65

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	531	1.22	434	3.37	6.46
-15	658	1.42	463	3.49	8.05
-10	810	1.62	501	3.60	9.97
-5	989	1.82	542	3.71	12.26
0	1196	2.05	582	3.82	14.94
5	1432	2.33	615	3.93	18.06
10	1698	2.67	637	4.03	21.66

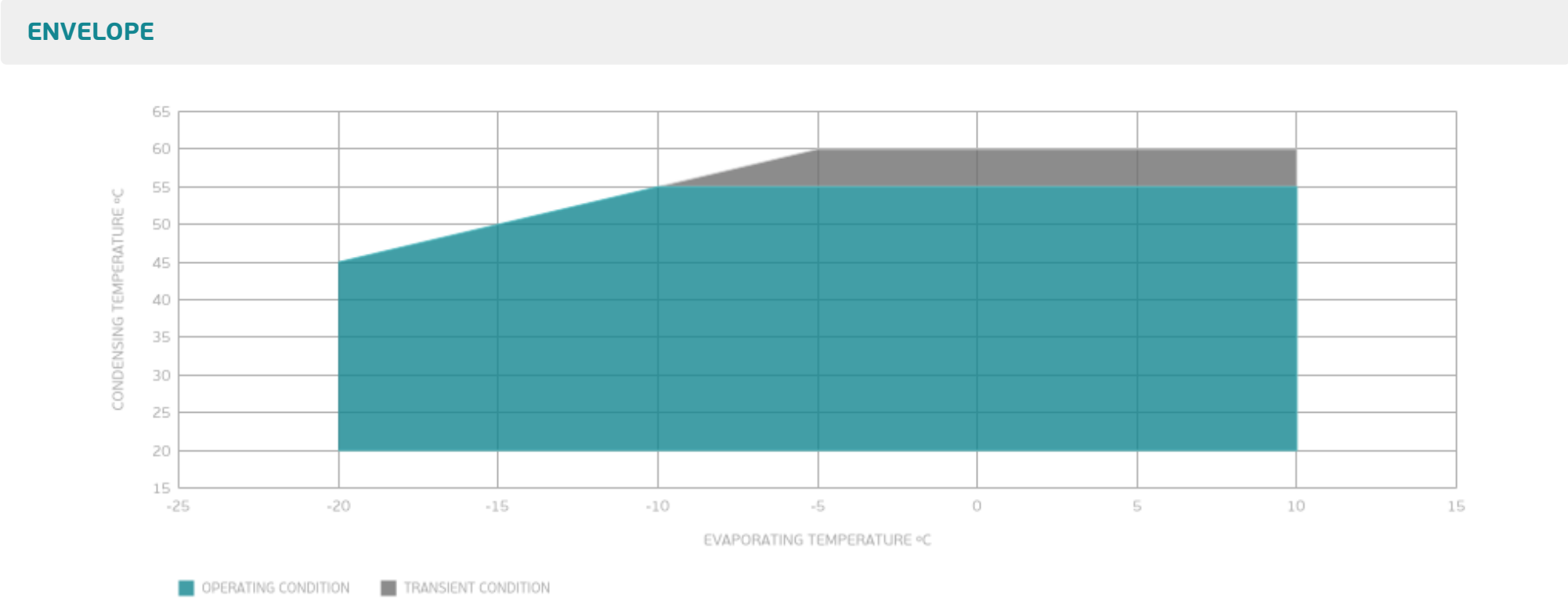
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	676	1.29	525	3.74	9.29
-5	828	1.45	571	3.90	11.46
0	1004	1.62	621	4.05	14.03
5	1206	1.80	670	4.19	17.03
10	1434	2.02	712	4.33	20.50

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



External

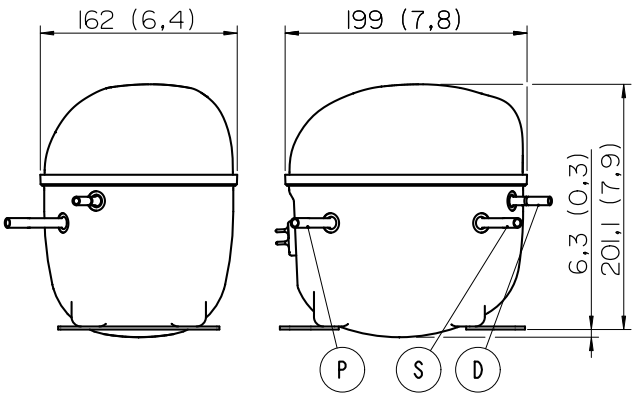
EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

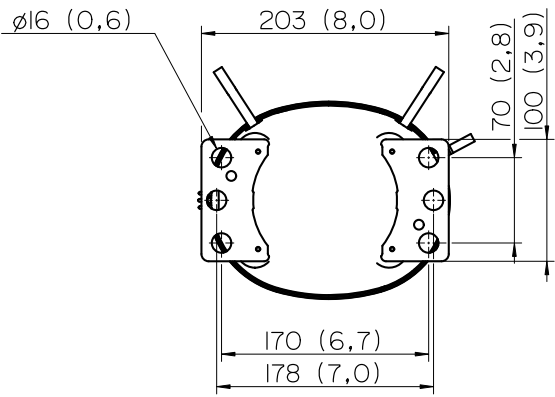
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

