

NEK6210GK



ENGINEERING CODE
958CA51



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
704 W



EFFICIENCY
1.63 W/W



DATA

GENERAL DATA

Model	NEK6210GK
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	28.84 Ω at 25°C
Run Winding Resistance	6.67 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	15.8 A

MECHANICAL DATA

Displacement	8.77 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-0029*
Overload Protection	DRB34K52AYF T0660/G5

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
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	704	1.63	431	-	21.14

Test Condition: Subcooling 0 K, Return Gas 20 °C. 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
-20	566	1.75	324	-	14.66
-15	684	1.93	355	-	17.91
-10	833	2.14	388	-	21.95
-5	1013	2.41	420	-	26.96
0	1229	2.76	445	-	33.12
5	1483	3.22	461	-	40.61
10	1778	3.84	463	-	49.62

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
-20	478	1.35	355	-	14.08
-15	580	1.49	390	-	17.26
-10	704	1.63	431	-	21.14
-5	853	1.80	474	-	25.91
0	1029	2.00	515	-	31.73
5	1237	2.25	550	-	38.81
10	1478	2.57	575	-	47.30

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

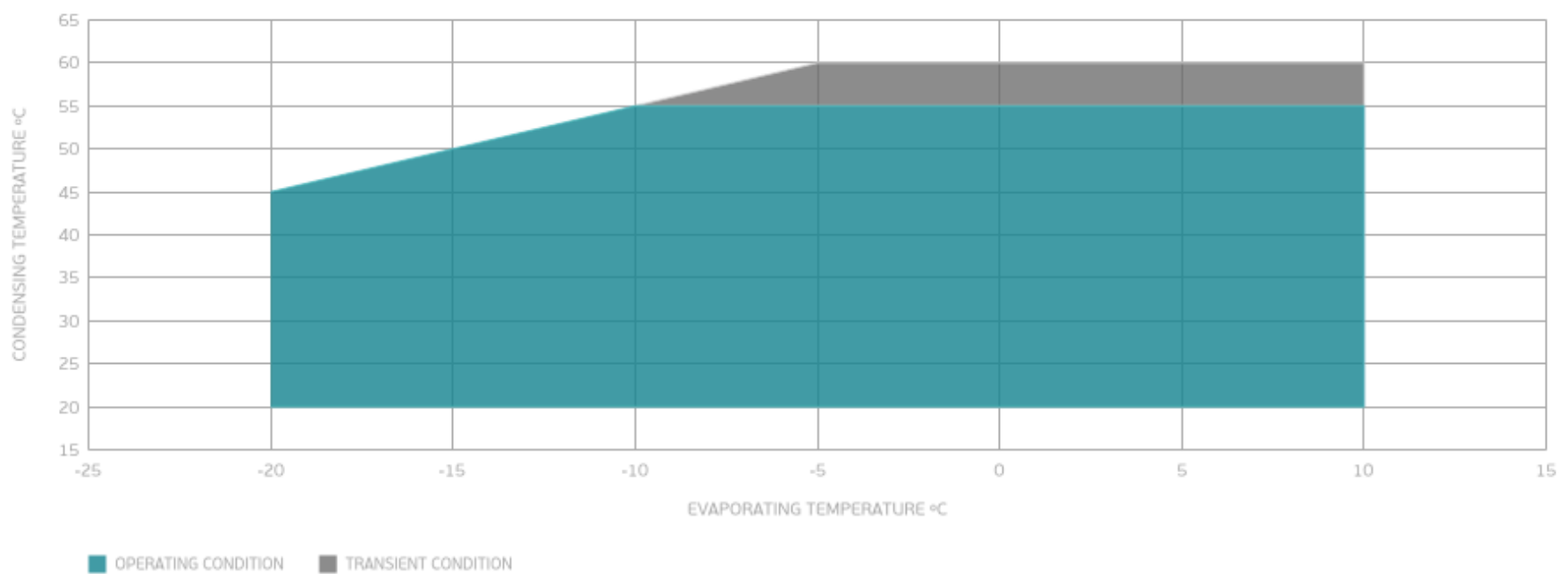
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	553	1.23	450	-	19.57
-5	671	1.34	501	-	24.13
0	810	1.46	553	-	29.66
5	973	1.61	604	-	36.35
10	1162	1.79	649	-	44.38

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

ENVELOPE



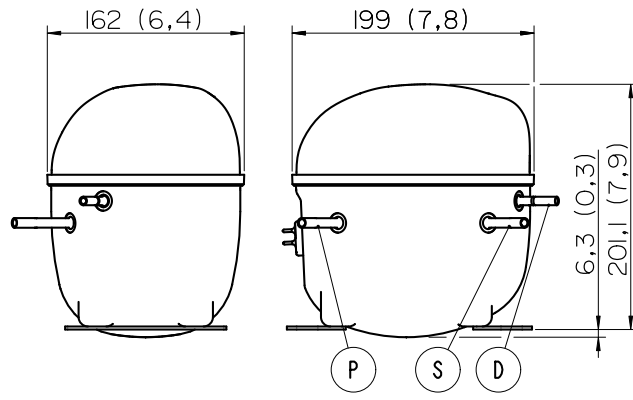
External

EXTERNAL CHARACTERISTICS

Base Plate		SMALL	
Tray Holder		NO	
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

