

NEK2168GK



ENGINEERING CODE
959FA51

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
379 W

EFFICIENCY
1.06 W/W

DATA

GENERAL DATA

Model	NEK2168GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	13.2 Ω at 25°C
Run Winding Resistance	4.0 Ω at 25°C

MECHANICAL DATA

Displacement	14.28 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.6 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	10.0 µf/450 V
CSR CSIR BOX	Yes
Starting Device Description	RVA3N3C-122
Overload Protection	T0834/G9

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
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
40	-35	379	1.06	359	-	10.26

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
-40	312	1.02	307	-	7.93
-35	415	1.18	352	-	10.61
-30	543	1.35	402	-	13.91
-25	694	1.52	457	-	17.89
-20	872	1.70	512	-	22.60
-15	1076	1.90	566	-	28.10
-10	1307	2.12	616	-	34.46

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
-40	251	0.79	316	-	7.24
-35	341	0.94	363	-	9.86
-30	450	1.07	418	-	13.07
-25	579	1.20	481	-	16.94
-20	731	1.33	548	-	21.53
-15	904	1.47	617	-	26.90
-10	1102	1.61	685	-	33.09

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

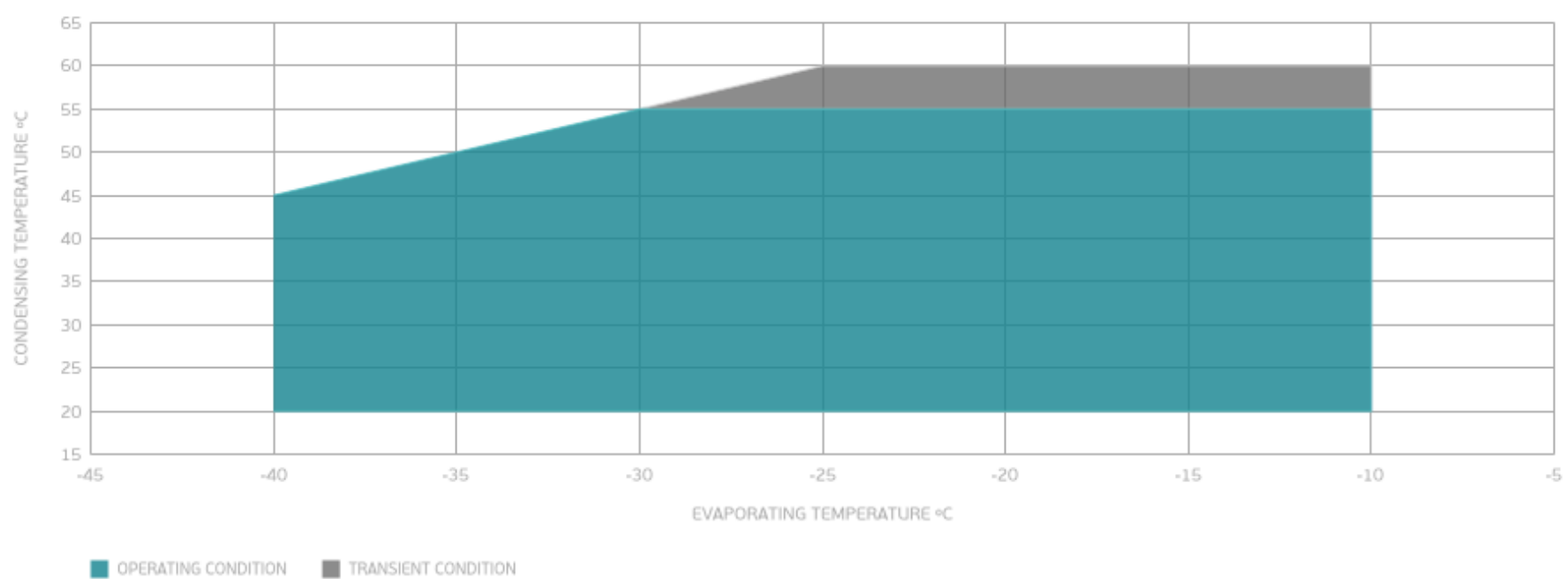
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	351	0.84	420	-	11.98
-25	458	0.94	489	-	15.74
-20	583	1.03	564	-	20.21
-15	726	1.13	645	-	25.43
-10	888	1.22	728	-	31.46

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

