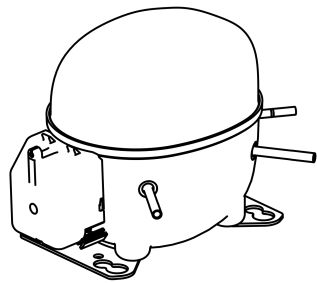


NEK2168GK



ENGINEERING CODE
959FA51



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
384 W



EFFICIENCY
0.96 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
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	9660A-XX-145*
Overload Protection	T0624/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	384	0.96	399	-	10.41

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	319	0.95	338	-	8.11
-35	425	1.09	388	-	10.85
-30	554	1.24	447	-	14.19
-25	705	1.38	511	-	18.16
-20	879	1.52	580	-	22.78
-15	1074	1.65	650	-	28.06
-10	1291	1.79	721	-	34.02

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

PERFORMANCE CURVE

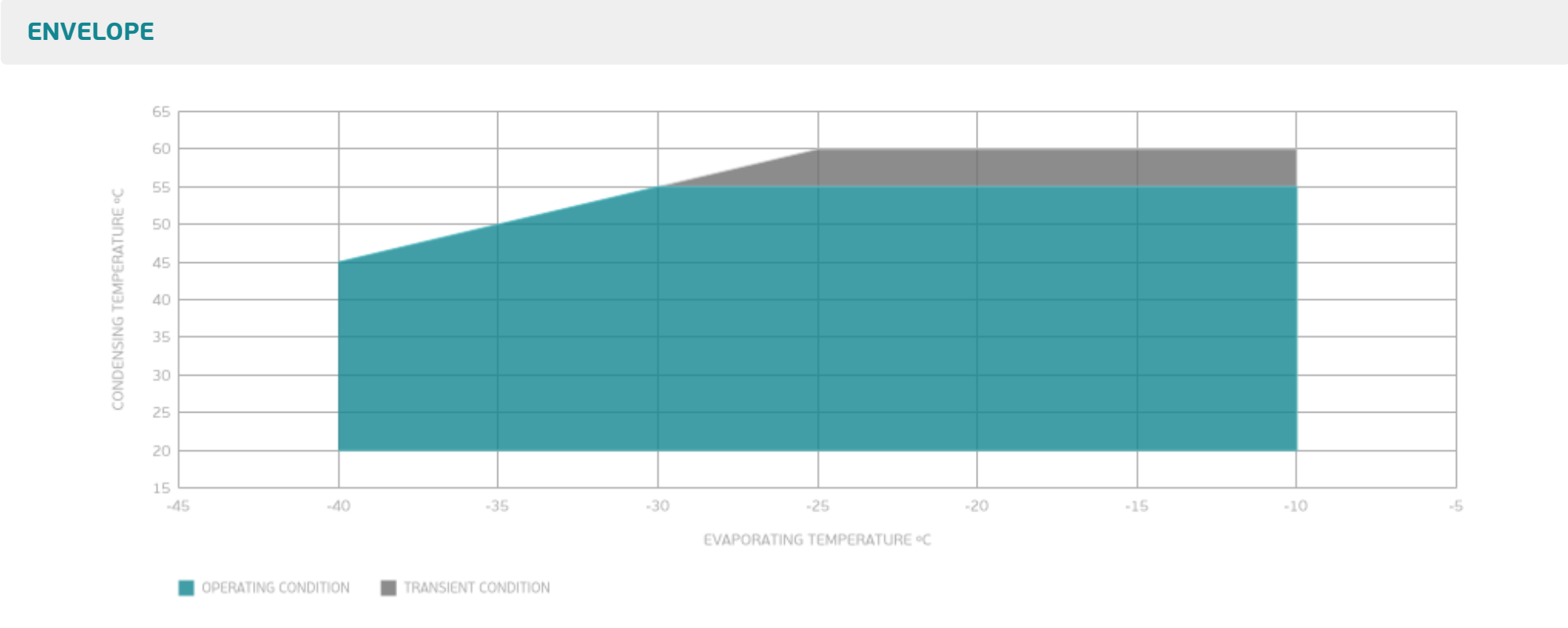
Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	256	0.73	351	-	7.37
-35	344	0.85	406	-	9.95
-30	452	0.96	471	-	13.15
-25	581	1.06	545	-	16.99
-20	729	1.16	626	-	21.48
-15	896	1.26	712	-	26.65
-10	1082	1.35	801	-	32.52
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	352	0.74	474	-	12.00
-25	455	0.82	556	-	15.66
-20	576	0.89	647	-	19.99
-15	714	0.96	746	-	25.00
-10	867	1.02	851	-	30.73
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					



External

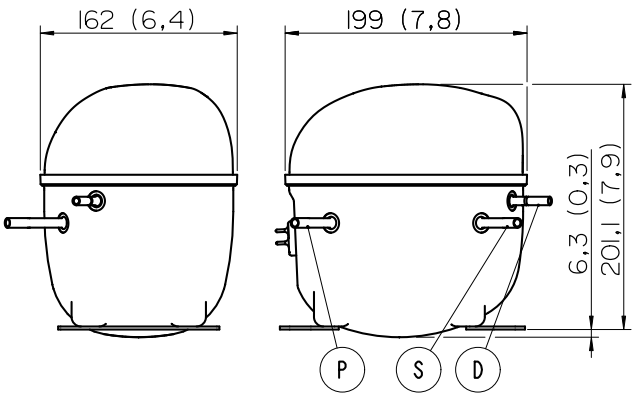
EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	NO

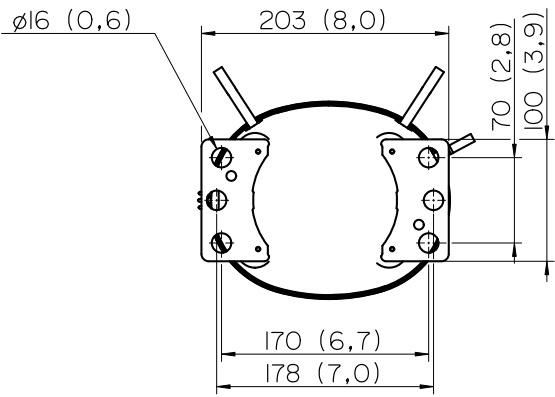
Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.1 mm	STRAIGHT	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

