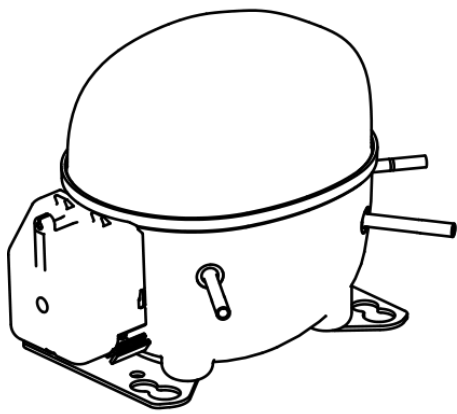


NEK2172GK



ENGINEERING CODE
959KC51



REFRIGERANT
R-404A



POWER SUPPLY
220 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
461 W



EFFICIENCY
1.05 W/W

DATA

GENERAL DATA

Model	NEK2172GK
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	13.9 Ω at 25°C
Run Winding Resistance	3.1 Ω at 25°C

MECHANICAL DATA

Displacement	16.8 cm³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	10.0 µf/425 V
CSR CSIR BOX	Yes
Starting Device Description	RVA403C-123
Overload Protection	T0964/G6

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
Process	6.1 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
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	461	1.05	441	2.72	12.49
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
-40	377	1.00	378	2.50	9.56
-35	502	1.17	431	2.68	12.82
-30	656	1.34	489	2.89	16.82
-25	840	1.52	551	3.12	21.63
-20	1053	1.71	615	3.38	27.30
-15	1296	1.91	679	3.66	33.87
-10	1570	2.12	741	3.96	41.40
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

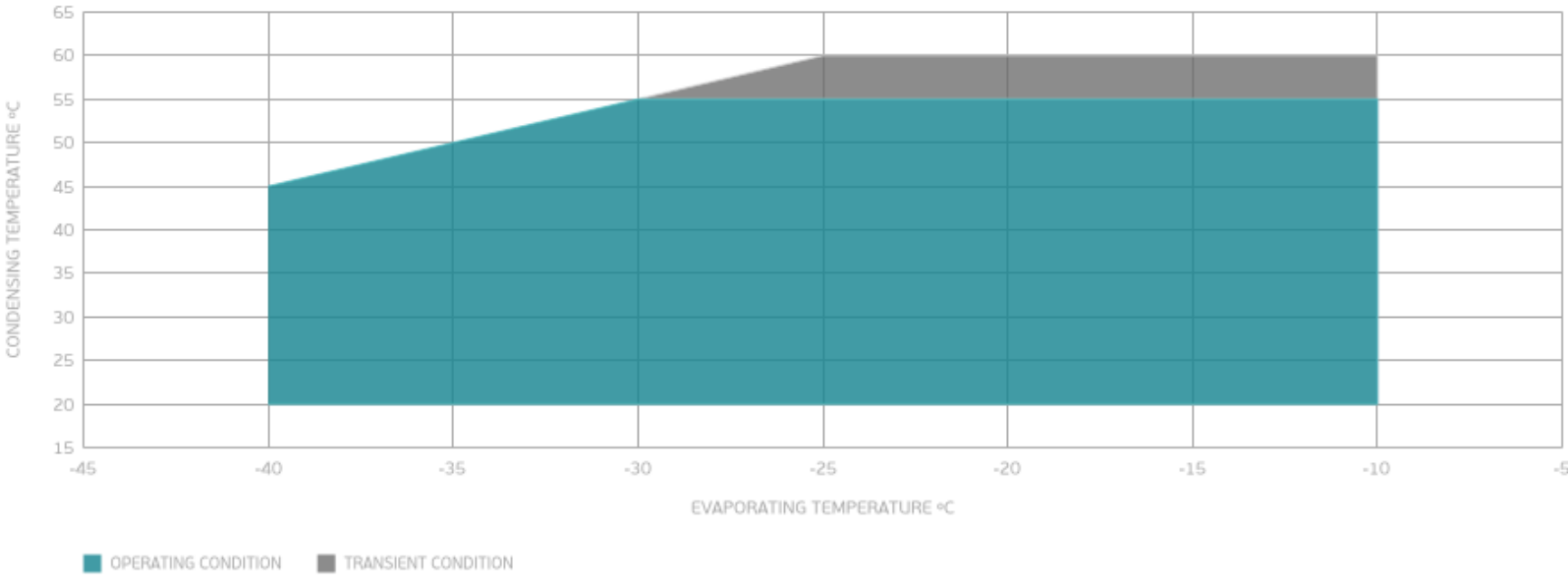
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	310	0.79	390	2.52	8.95
-35	419	0.94	448	2.73	12.12
-30	552	1.07	514	2.97	16.04
-25	710	1.21	588	3.24	20.75
-20	893	1.34	666	3.54	26.30
-15	1101	1.47	748	3.88	32.75
-10	1336	1.61	830	4.25	40.13
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
-30	441	0.85	522	3.01	15.05
-25	571	0.95	604	3.34	19.64
-20	723	1.04	694	3.70	25.07
-15	895	1.13	790	4.10	31.37
-10	1090	1.22	891	4.55	38.61
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

ENVELOPE



EXTERNAL DIMENSIONS

