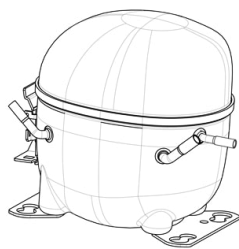


NEK6213GK



ENGINEERING CODE
959JD92



REFRIGERANT
R-404A



POWER SUPPLY
208-230 V 60 Hz



APPLICATION
MBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
1101 W



EFFICIENCY
1.49 W/W

DATA

GENERAL DATA

Model	NEK6213GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/208
HP	1/2+
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	19.98 Ω at 25°C
Run Winding Resistance	2.13 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	30 A

MECHANICAL DATA

Displacement	12.11 cm ³
Oil Charge	350 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	11.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	MRA6981-3265

EXTERNAL CHARACTERISTICS

Base Plate	UNI
------------	-----

Connector	Internal Diameter	Shape	Material
Suction	8.1 mm	SLANTED 42°	COPPER
Discharge	6.45 mm	STRAIGHT	COPPER
Process	6.45 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	208 V
Tested Frequency	60 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
45	-10	1101	1.49	739	-	33.06
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	858	1.56	552	-	22.23
-15	1063	1.74	611	-	27.82
-10	1302	1.90	685	-	34.33
-5	1574	2.06	764	-	41.91
0	1880	2.23	842	-	50.70
5	2222	2.44	910	-	60.84
10	2599	2.70	962	-	72.47
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

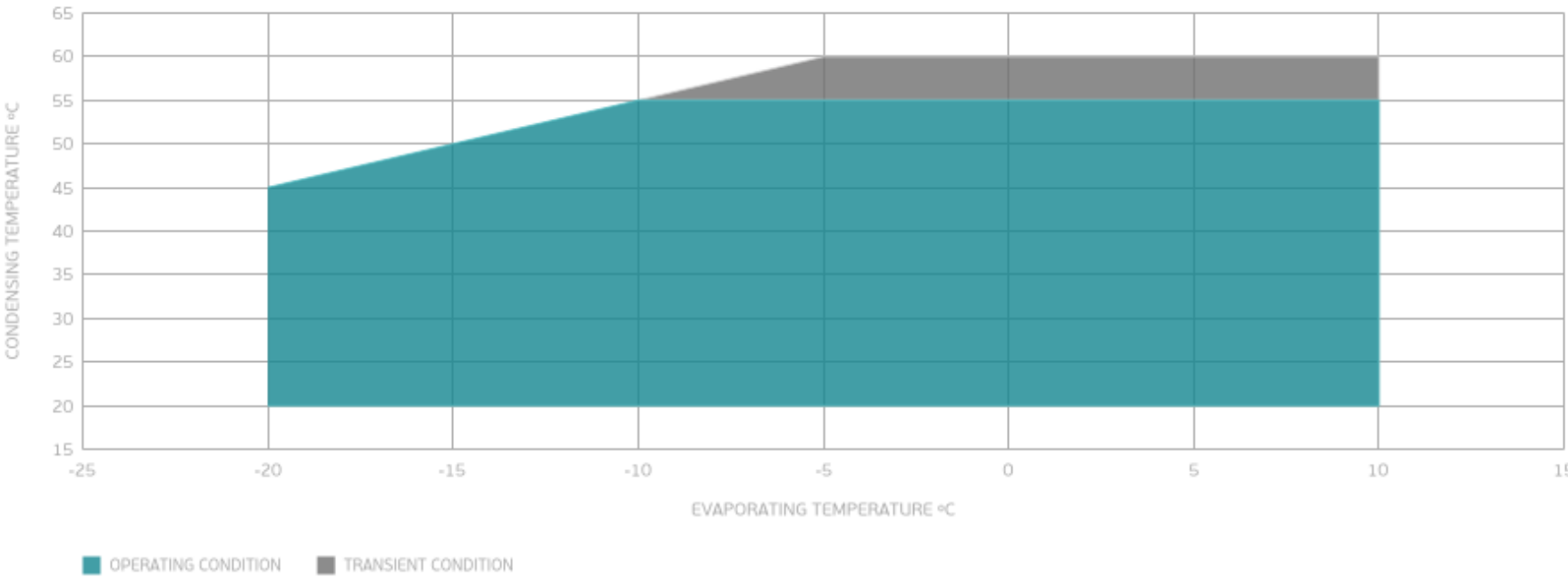
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	718	1.18	606	-	21.17
-15	896	1.35	662	-	26.66
-10	1101	1.49	739	-	33.06
-5	1334	1.61	829	-	40.52
0	1595	1.73	924	-	49.17
5	1885	1.85	1017	-	59.16
10	2206	2.00	1101	-	70.63
Test Condition: 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	890	1.18	755	-	31.52
-5	1080	1.28	843	-	38.83
0	1294	1.37	944	-	47.32
5	1530	1.46	1049	-	57.15
10	1790	1.55	1152	-	68.43
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

