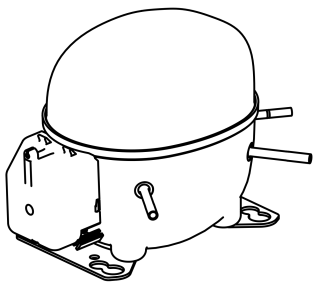
COMPRESSOR TECHNICAL DATA

NEK6217GK



ENGINEERING CODE
959GA51

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
CECOMAF

COOLING CAPACITY
963 W

EFFICIENCY
1.35 W/W

DATA

GENERAL DATA

Model	NEK6217GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	11.7 Ω at 25°C
Run Winding Resistance	3.56 Ω at 25°C

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Jurumudi Baru, Benda – Tangerang 15124

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	72-88 µf/330 V
Run Capacitor	15.0 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA403C-123
Overload Protection	T0188/G9

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	CECOMAF
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
55	-10	963	1.35	712	-	30.73

Test Condition: Subcooling 0 K, Return Gas 32 °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	921	1.72	535	-	22.14
-15	1131	1.94	583	-	27.38
-10	1379	2.16	637	-	33.61
-5	1667	2.40	694	-	40.94
0	1996	2.67	746	-	49.51
5	2367	2.99	791	-	59.44
10	2783	3.39	821	-	70.87

Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	784	1.35	582	-	21.22
-15	966	1.53	631	-	26.34
-10	1180	1.70	694	-	32.40
-5	1426	1.86	766	-	39.53
0	1707	2.03	841	-	47.86
5	2023	2.21	914	-	57.52
10	2377	2.43	979	-	68.64

Test Condition: Subcooling 0 K, Return Gas 32 ºC. Data are an indication of performance based simulation.

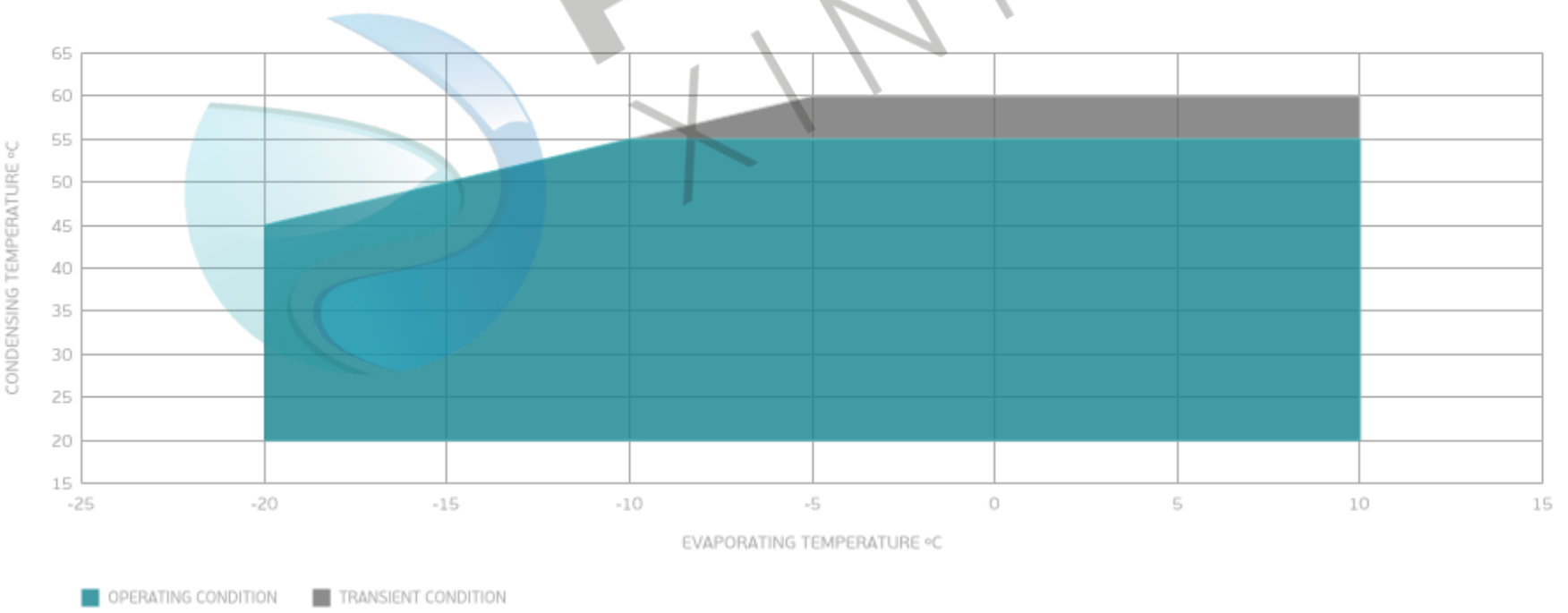
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	963	1.35	712	-	30.73
-5	1166	1.47	791	-	37.66
0	1398	1.59	880	-	45.74
5	1658	1.70	973	-	55.12
10	1950	1.83	1066	-	65.93

Test Condition: Subcooling 0 K, Return Gas 32 ºC. Data are an indication of performance based simulation.

ENVELOPE



External

EXTERNAL CHARACTERISTICS

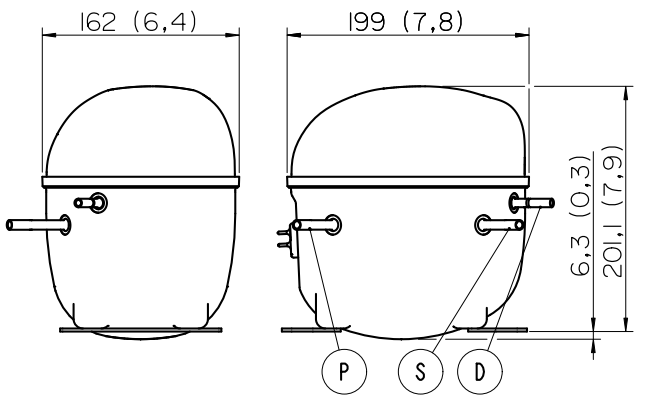
Base Plate	SMALL
Tray Holder	NO

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

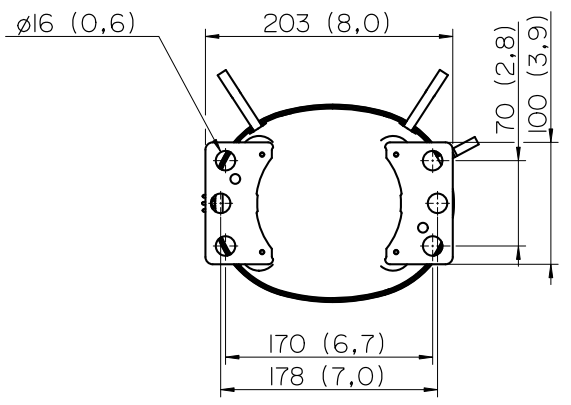
Process	6.1 mm	SLANTED 42°	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE

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