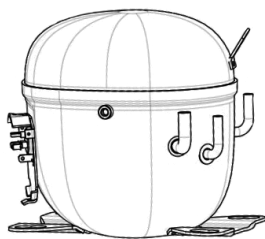


NT2180GK



ENGINEERING CODE
923HA94



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
CECOMAF



COOLING CAPACITY
639 W



EFFICIENCY
0.9 W/W

DATA

GENERAL DATA

Model	NT2180GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	8.4 Ω at 25°C
Run Winding Resistance	1.9 Ω at 25°C

MECHANICAL DATA

Displacement	20.44 cm ³
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17.4 Kg

ELECTRICAL COMPONENTS

Start Capacitor	130-156 μf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0748/G9

EXTERNAL CHARACTERISTICS

Base Plate	UNI
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Connector	Internal Diameter	Shape	Material
Suction	9.6 mm	VERTICAL	COPPER
Discharge	6.42 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	CECOMAF
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
Max Refrigerant Charge	800 g
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	-25	639	0.9	707	-	19.92
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
-40	412	0.94	439	-	9.73
-35	572	1.13	506	-	13.57
-30	760	1.32	576	-	18.09
-25	973	1.50	647	-	23.29
-20	1212	1.69	717	-	29.15
-15	1475	1.88	785	-	35.68
-10	1761	2.07	850	-	42.88
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

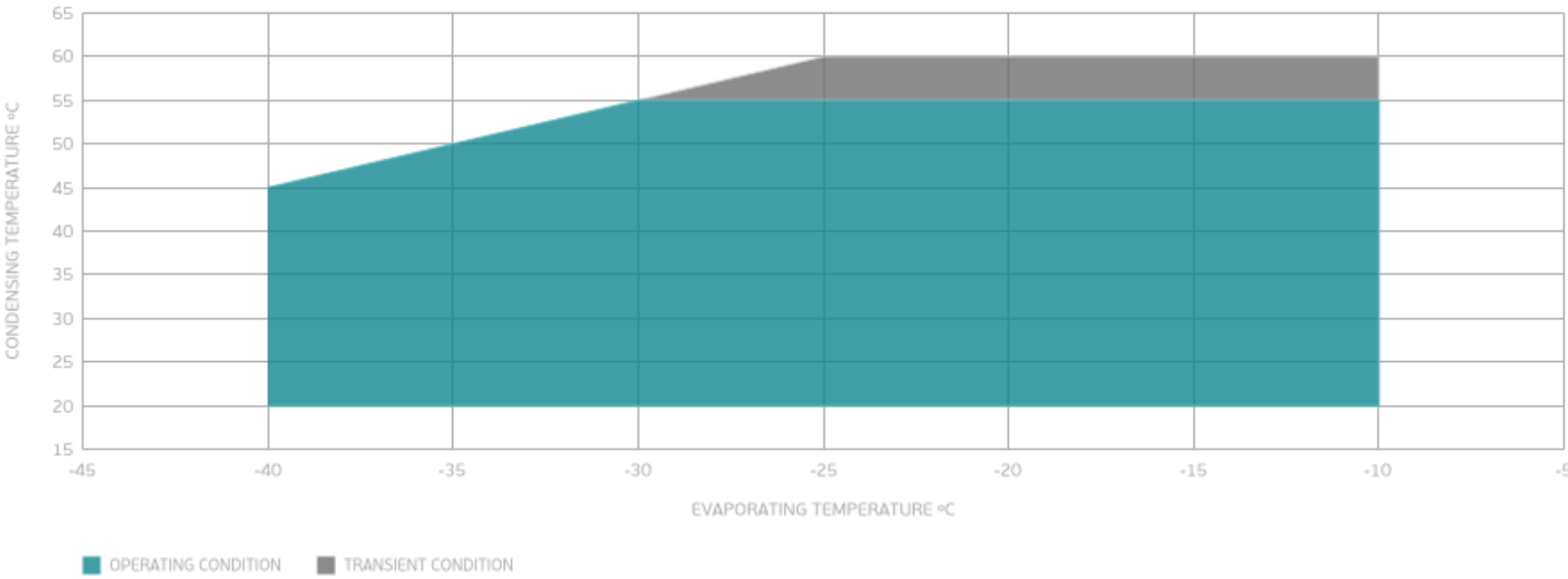
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	318	0.72	441	-	8.47
-35	453	0.88	518	-	12.07
-30	615	1.02	601	-	16.43
-25	802	1.17	688	-	21.54
-20	1013	1.30	778	-	27.40
-15	1248	1.43	870	-	34.00
-10	1504	1.57	961	-	41.33
Test Condition: Subcooling 0 K, Return Gas 32 °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	483	0.80	606	-	14.98
-25	639	0.90	707	-	19.92
-20	818	1.00	814	-	25.67
-15	1019	1.10	925	-	32.24
-10	1242	1.19	1040	-	39.62
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

