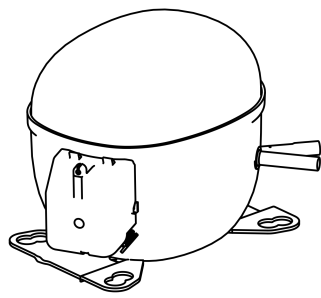


NT2180GK



ENGINEERING CODE
923HA94

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
493 W

EFFICIENCY
0.96 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	8.56 Ω at 25°C
Run Winding Resistance	1.82 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	35 A

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
Starting Device Description	MTRPH-59*
Overload Protection	T0748/G9

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
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
40	-35	493	0.96	513	-	13.35

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	397	0.91	438	-	10.09
-35	550	1.09	505	-	14.04
-30	733	1.28	575	-	18.79
-25	944	1.46	646	-	24.33
-20	1181	1.65	715	-	30.63
-15	1442	1.84	782	-	37.66
-10	1724	2.04	844	-	45.40

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	310	0.71	439	-	8.94
-35	438	0.85	517	-	12.66
-30	593	0.99	600	-	17.24
-25	774	1.13	687	-	22.64
-20	979	1.26	777	-	28.85
-15	1205	1.39	866	-	35.84
-10	1450	1.52	955	-	43.58

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

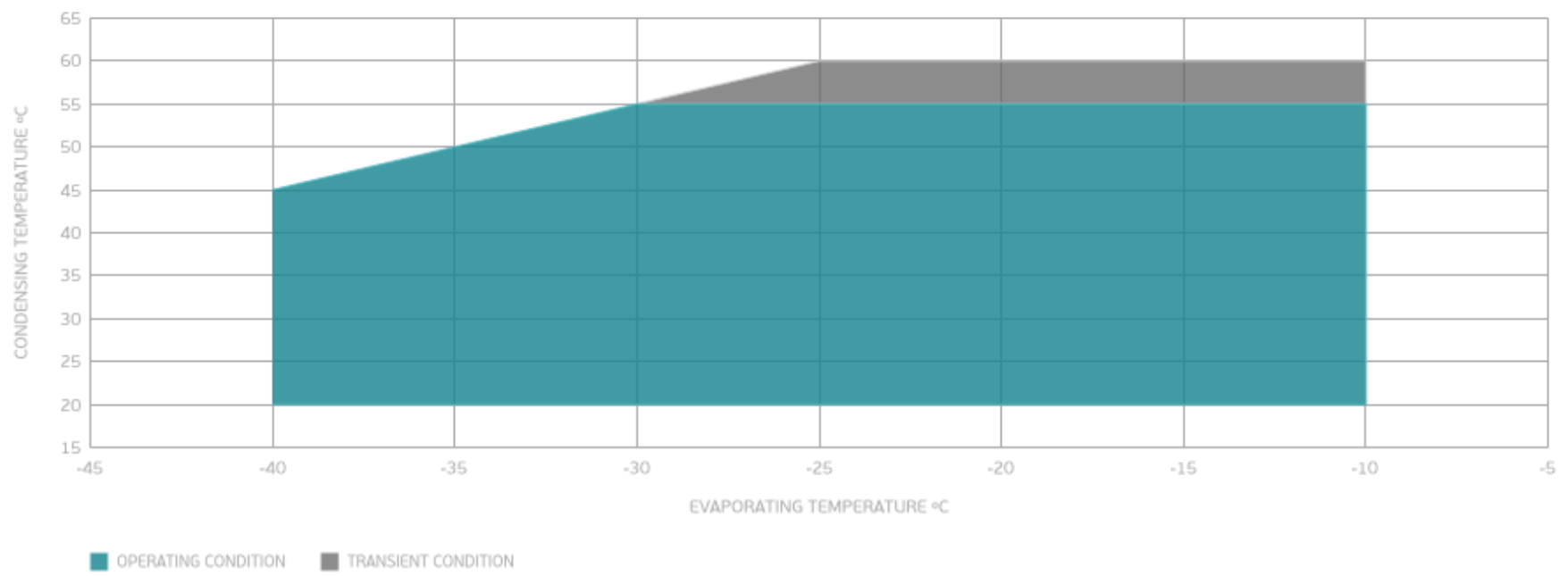
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	459	0.76	605	-	15.68
-25	607	0.86	706	-	20.86
-20	776	0.96	812	-	26.89
-15	964	1.05	922	-	33.75
-10	1169	1.13	1033	-	41.40

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

ENVELOPE



External

EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

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

EXTERNAL DIMENSIONS

