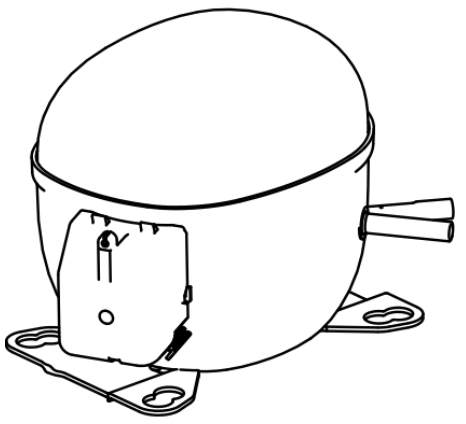
COMPRESSOR TECHNICAL DATA

NT2180GK



ENGINEERING CODE
922HA04

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
523 W

EFFICIENCY
1.05 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	9.24 Ω at 25°C
Run Winding Resistance	2.35 Ω at 25°C

MECHANICAL DATA

Displacement	20.44 cm^3
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	18 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
Run Capacitor	15.0 µf/440 V
CSR CSIR BOX	Yes
Starting Device Description	RVA2L3C-112
Overload Protection	T0743/G9

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

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	EN12900
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
40	-35	523	1.05	496	2.66	14.17

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	428	1.02	419	2.45	10.88
-35	576	1.19	483	2.67	14.71
-30	762	1.38	551	2.91	19.53
-25	987	1.60	618	3.18	25.41
-20	1252	1.83	683	3.48	32.44
-15	1558	2.10	743	3.79	40.70
-10	1907	2.40	795	4.11	50.27

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	334	0.78	429	2.42	9.62
-35	464	0.92	503	2.70	13.44
-30	624	1.07	583	3.01	18.17
-25	816	1.23	665	3.34	23.87
-20	1039	1.39	747	3.68	30.64
-15	1297	1.57	826	4.03	38.55
-10	1588	1.77	899	4.39	47.69

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

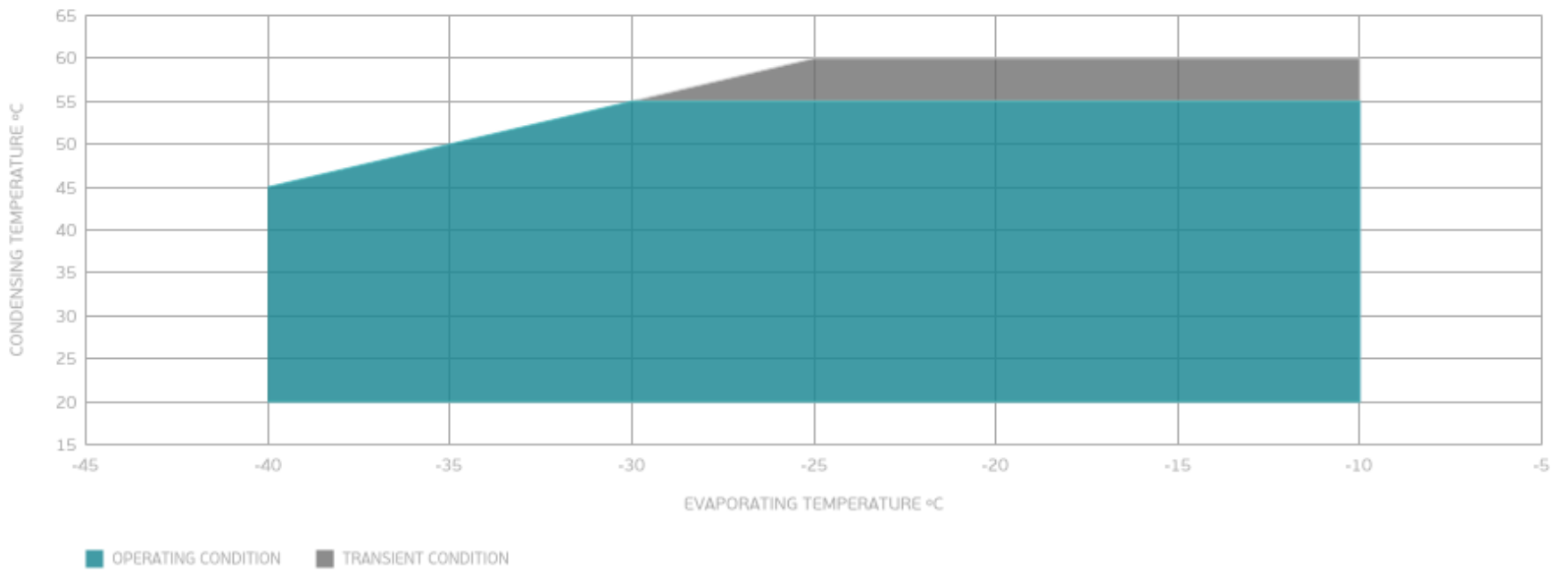
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	470	0.80	587	3.12	16.02
-25	628	0.92	684	3.52	21.58
-20	811	1.04	783	3.92	28.13
-15	1020	1.16	881	4.32	35.73
-10	1255	1.29	976	4.73	44.48

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