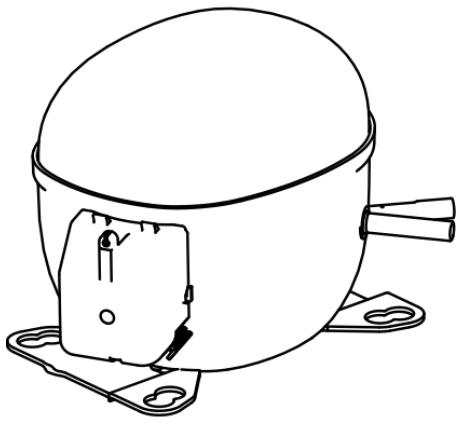
COMPRESSOR TECHNICAL DATA

NT2168GK



ENGINEERING CODE
922DN09

REFRIGERANT
R-404A

POWER SUPPLY
200-240 V 50 Hz/230 V 60 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
355 W

EFFICIENCY
1.04 W/W

DATA

GENERAL DATA

Model	NT2168GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/200
HP	3/4
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	10.4 Ω at 25°C
Run Winding Resistance	2.4 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	25 A

MECHANICAL DATA

Displacement	14.5 cm^3
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	MRP30APK-3261

EXTERNAL CHARACTERISTICS

Base Plate	UNI
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	12.7 mm	ROTOLOCK(EX. THR. 1"-14UNS-2A)	STEEL
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	200 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	355	1.04	342	1.74	9.63

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

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	295	1.00	294	1.53	7.48
-35	399	1.18	338	1.74	10.20
-30	527	1.37	384	1.95	13.51
-25	679	1.58	430	2.16	17.49
-20	858	1.81	474	2.38	22.23
-15	1066	2.07	514	2.60	27.84
-10	1305	2.39	546	2.82	34.41

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

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	218	0.74	293	1.47	6.28
-35	310	0.90	343	1.73	8.97
-30	420	1.06	398	2.00	12.21
-25	550	1.21	454	2.26	16.10
-20	704	1.38	510	2.53	20.74
-15	882	1.57	563	2.79	26.22
-10	1087	1.78	611	3.05	32.63

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

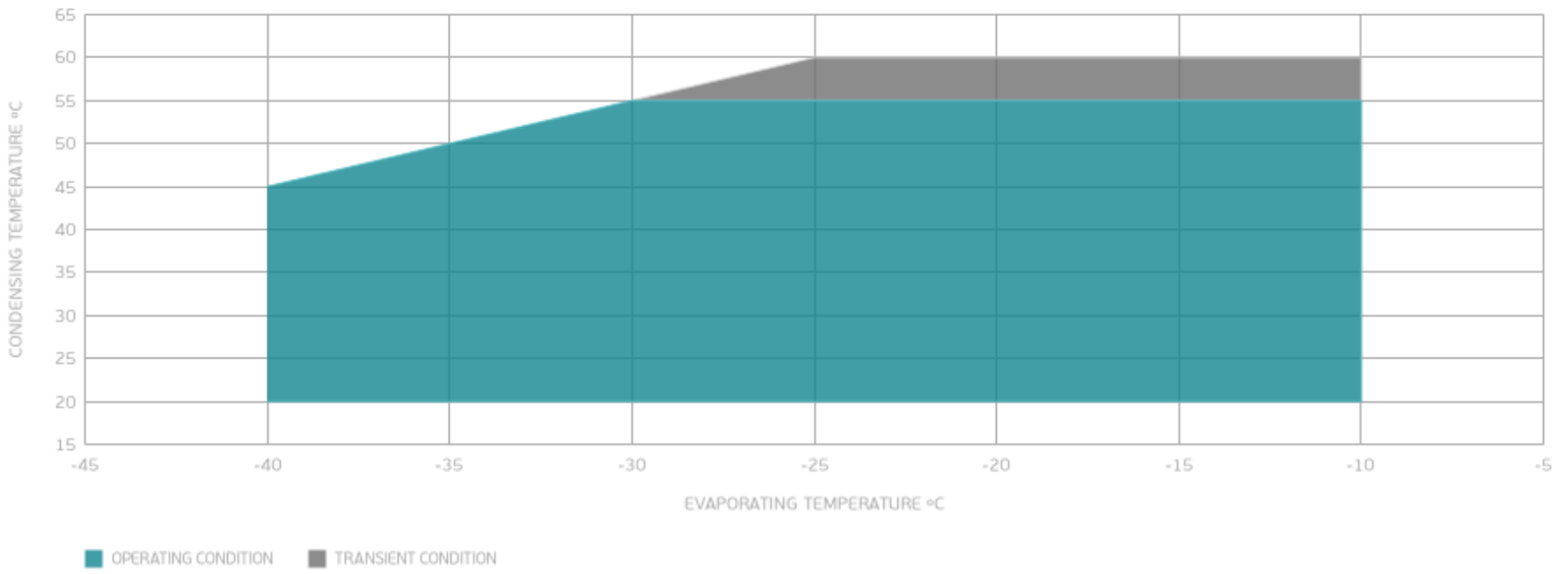
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	309	0.79	392	2.03	10.53
-25	417	0.91	458	2.34	14.34
-20	544	1.04	525	2.65	18.87
-15	691	1.17	591	2.96	24.22
-10	861	1.31	655	3.26	30.48

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

ENVELOPE



EXTERNAL DIMENSIONS