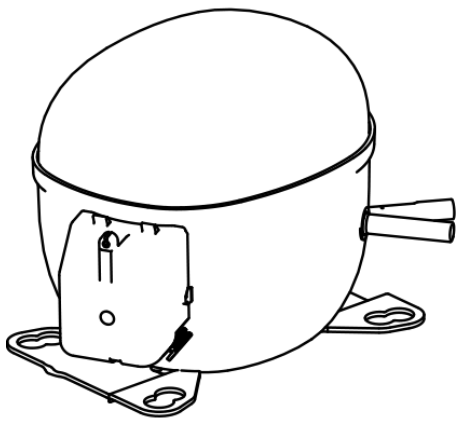
COMPRESSOR TECHNICAL DATA

NT2212GK



ENGINEERING CODE
925DA08

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
737 W

EFFICIENCY
1.1 W/W

DATA

GENERAL DATA

Model	NT2212GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1 1/2
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	3.89 Ω at 25°C
Run Winding Resistance	1.69 Ω at 25°C

MECHANICAL DATA

Displacement	27.8 cm^3
Oil Charge	650 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	18.3 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	15HM1962-240 (internal)

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	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	737	1.1	671	-	19.98

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

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	612	1.08	567	-	15.53
-35	812	1.24	653	-	20.75
-30	1061	1.42	747	-	27.22
-25	1361	1.61	845	-	35.06
-20	1713	1.82	943	-	44.40
-15	2119	2.04	1037	-	55.37
-10	2583	2.30	1122	-	68.08

Test Condition: Subcooling 0 K, Return Gas 20 ºC. 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
-40	491	0.83	589	-	14.16
-35	661	0.97	684	-	19.15
-30	872	1.10	792	-	25.37
-25	1127	1.24	908	-	32.96
-20	1426	1.39	1029	-	42.03
-15	1773	1.54	1150	-	52.73
-10	2169	1.71	1266	-	65.16

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

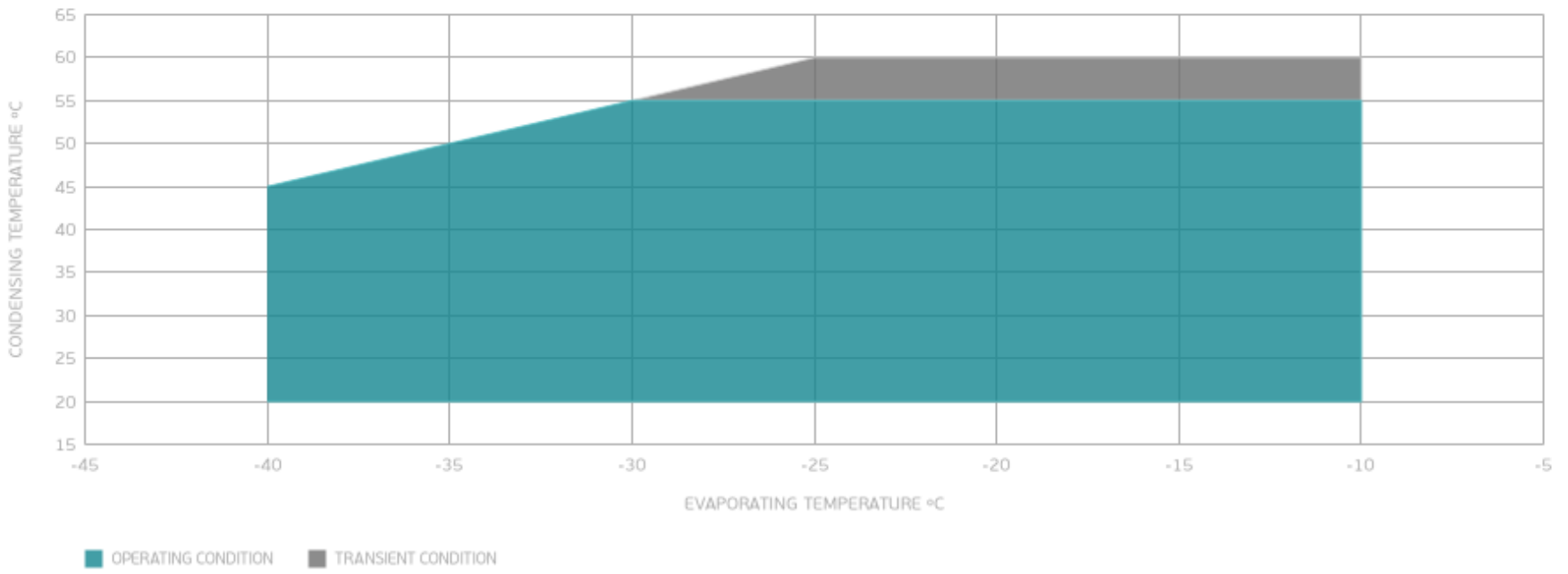
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	679	0.84	805	-	23.15
-25	885	0.94	937	-	30.44
-20	1130	1.05	1078	-	39.20
-15	1414	1.16	1223	-	49.57
-10	1741	1.27	1368	-	61.67

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

ENVELOPE



EXTERNAL DIMENSIONS