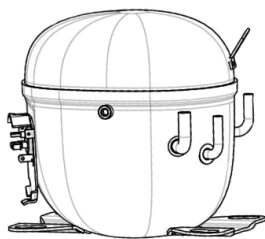


NT2178GK



ENGINEERING CODE
922EC04



REFRIGERANT
R-404A



POWER SUPPLY
220 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSCR



STANDARD
EN12900



COOLING CAPACITY
434 W



EFFICIENCY
1.01 W/W



DATA

GENERAL DATA

Model	NT2178GK
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	17.39 cm ³
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	16.4 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	T0645/G9

EXTERNAL CHARACTERISTICS

Base Plate	UNI
------------	-----

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	434	1.01	431	2.85	11.76
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	355	0.97	367	2.66	9.03
-35	476	1.13	419	2.82	12.15
-30	632	1.33	476	3.00	16.20
-25	825	1.55	534	3.19	21.25
-20	1057	1.79	590	3.40	27.39
-15	1327	2.07	642	3.63	34.67
-10	1638	2.38	687	3.87	43.19
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

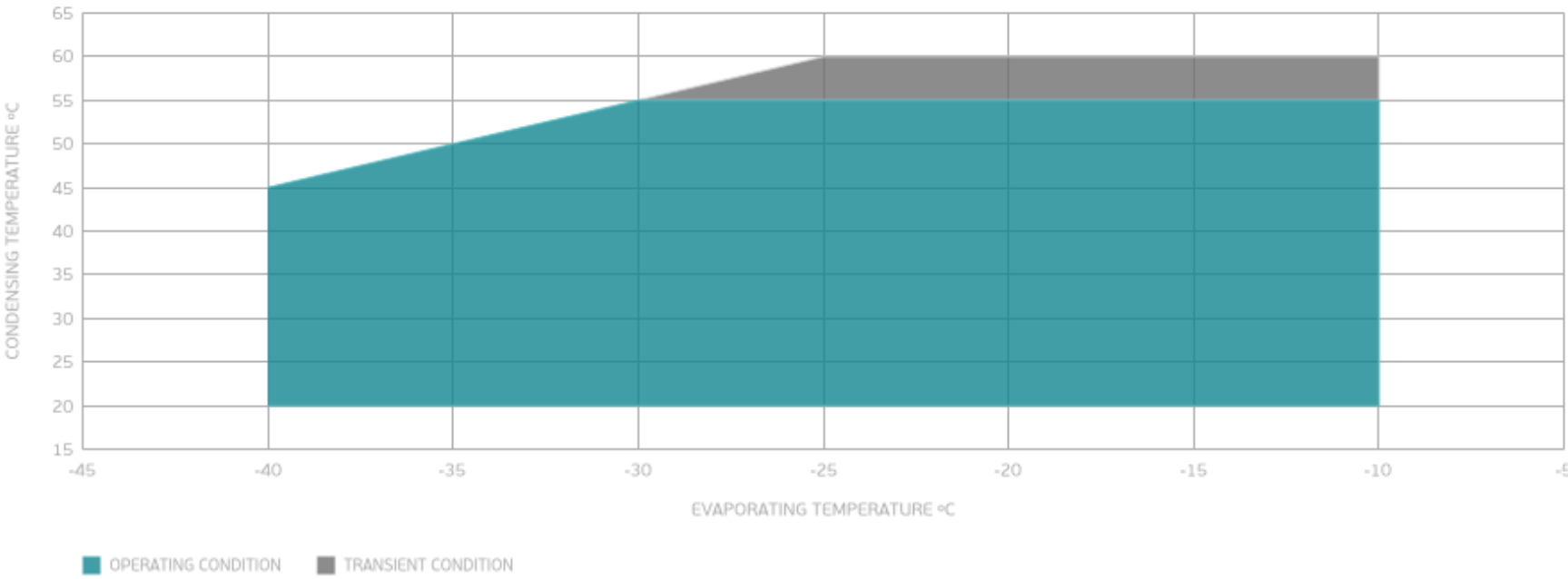
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	285	0.76	377	2.66	8.20
-35	388	0.89	437	2.86	11.23
-30	520	1.03	503	3.08	15.12
-25	682	1.19	573	3.32	19.94
-20	875	1.36	644	3.58	25.78
-15	1100	1.54	712	3.86	32.70
-10	1358	1.75	775	4.16	40.79
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	393	0.78	504	3.13	13.42
-25	525	0.90	586	3.41	18.03
-20	680	1.01	671	3.72	23.58
-15	861	1.14	755	4.05	30.15
-10	1067	1.28	836	4.40	37.82
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

