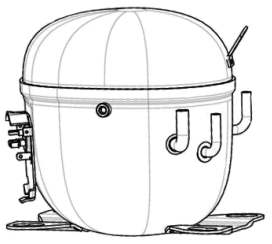
COMPRESSOR TECHNICAL DATA

NT6226GK



ENGINEERING CODE
923BA08

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
1937 W

EFFICIENCY
1.65 W/W

DATA

GENERAL DATA

Model	NT6226GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1+
Starting Torque	HST
Plant	SLOVAKIA

ELECTRICAL DATA

Start Winding Resistance	8.4 Ω at 25°C
Run Winding Resistance	1.7 Ω at 25°C

MECHANICAL DATA

Displacement	22.37 cm^3
Oil Charge	450 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	17.5 Kg

ELECTRICAL COMPONENTS

Start Capacitor	130-156 µf/250 V
CSR CSIR BOX	Yes
Starting Device Type	RELAY
Overload Protection	T0625/C9

EXTERNAL CHARACTERISTICS

Base Plate	UNI

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	MBP
Tested Standard	ASHRAE
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
54.4	-6.7	1937	1.65	1176	7.05	52.83

Test Condition: Subcooling 8.3 K, Return Gas 35 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
-20	1513	1.91	790	5.56	32.84
-15	1889	2.19	861	5.80	41.27
-10	2340	2.48	945	6.06	51.43
-5	2866	2.78	1031	6.35	63.45
0	3468	3.13	1109	6.65	77.46
5	4147	3.55	1168	6.98	93.58
10	4902	4.09	1197	7.33	111.95

Test Condition: Subcooling 8.3 K, Return Gas 35 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
-20	1303	1.47	888	5.76	31.24
-15	1621	1.70	956	6.06	39.12
-10	2006	1.91	1049	6.39	48.72
-5	2458	2.12	1157	6.75	60.19
0	2978	2.35	1269	7.15	73.65
5	3566	2.59	1374	7.57	89.22
10	4222	2.89	1462	8.02	107.04

Test Condition: Subcooling 8.3 K, Return Gas 35 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

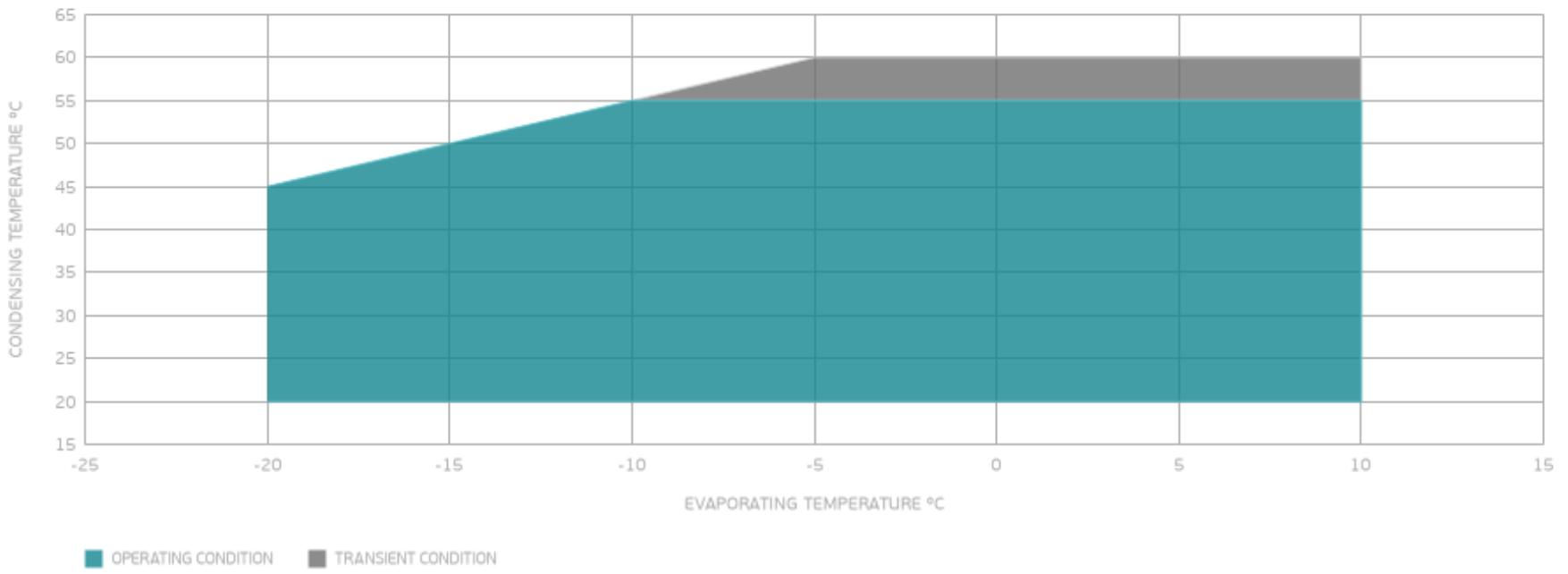
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1673	1.51	1105	6.78	45.72
-5	2048	1.68	1219	7.22	56.50
0	2483	1.84	1350	7.71	69.26
5	2977	2.00	1486	8.23	84.14
10	3532	2.18	1617	8.79	101.27

Test Condition: Subcooling 8.3 K, Return Gas 35 ºC. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS