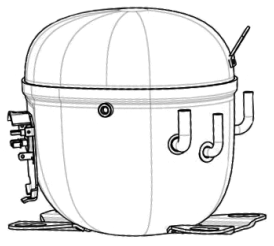
COMPRESSOR TECHNICAL DATA

NTU6232GKV



ENGINEERING CODE
925AA60

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
1753 W

EFFICIENCY
1.98 W/W

DATA

GENERAL DATA

Model	NTU6232GKV
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	3.95 Ω at 25°C
Run Winding Resistance	1.47 Ω at 25°C

MECHANICAL DATA

Displacement	20.44 cm^3
Oil Charge	650 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	18.4 Kg

ELECTRICAL COMPONENTS

Start Capacitor	88-108 µf/330 V
CSR CSIR BOX	Yes
Overload Protection	15HM1963-247 (internal)

EXTERNAL CHARACTERISTICS

Base Plate	UNI

Connector	Internal Diameter	Shape	Material
Suction	12.77 mm	SLANTED	COPPER
Discharge	9.6 mm	VERTICAL	COPPER
Process	6.42 mm	VERTICAL	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
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
45	-10	1753	1.98	886	4.6	52.66

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
-20	1390	1.98	701	3.90	36.01
-15	1705	2.28	746	4.08	44.61
-10	2090	2.65	789	4.23	55.11
-5	2550	3.09	824	4.35	67.90
0	3091	3.66	844	4.43	83.34
5	3719	4.40	844	4.49	101.83
10	4437	5.43	818	4.51	123.75

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
-20	1163	1.51	770	4.11	34.26
-15	1431	1.73	826	4.37	42.58
-10	1753	1.98	886	4.60	52.66
-5	2136	2.26	943	4.80	64.89
0	2584	2.60	993	4.97	79.66
5	3102	3.02	1028	5.12	97.34
10	3696	3.54	1042	5.24	118.33

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

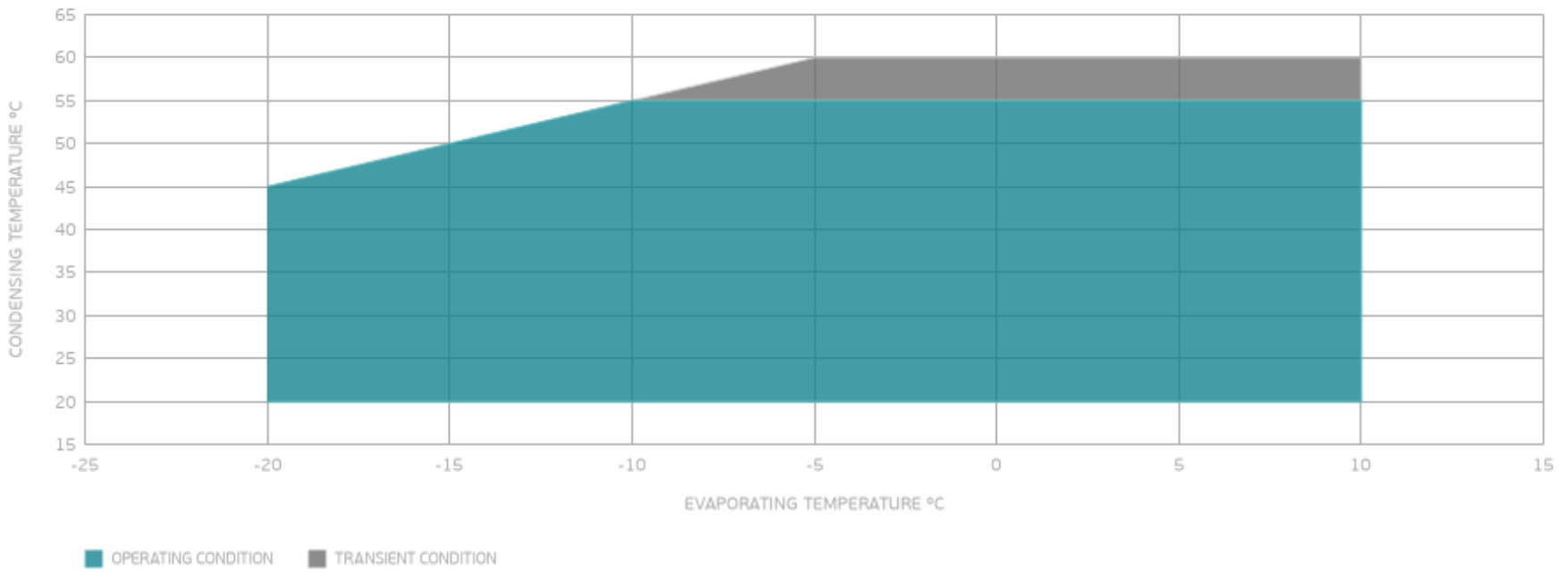
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	1381	1.47	941	4.93	48.90
-5	1686	1.66	1017	5.23	60.56
0	2040	1.87	1090	5.50	74.63
5	2449	2.12	1155	5.75	91.49
10	2917	2.42	1206	5.98	111.52

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