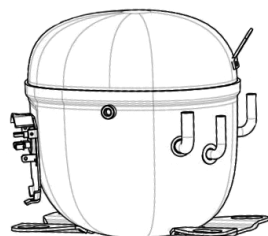


NTU6240GKV



ENGINEERING CODE
925FA80

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
EN12900

COOLING CAPACITY
2435 W

EFFICIENCY
2 W/W



DATA

GENERAL DATA

Model	NTU6240GKV
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
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	3.95 Ω at 25°C
Run Winding Resistance	1.47 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	15HM1963-247 (internal)

EXTERNAL CHARACTERISTICS

Base Plate	UNI
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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	2435	2	1217	5.89	73.11

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
-20	1903	2.02	942	4.74	49.32
-15	2350	2.33	1007	5.04	61.45
-10	2894	2.69	1078	5.31	76.32
-5	3537	3.09	1144	5.56	94.18
0	4276	3.57	1196	5.80	115.33
5	5113	4.18	1224	6.02	140.02
10	6045	4.96	1218	6.22	168.54

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
-20	1619	1.53	1058	5.15	47.70
-15	1986	1.76	1129	5.52	59.09
-10	2435	2.00	1217	5.89	73.11
-5	2963	2.26	1311	6.24	90.02
0	3571	2.55	1402	6.59	110.11
5	4259	2.88	1479	6.92	133.64
10	5025	3.28	1533	7.25	160.90

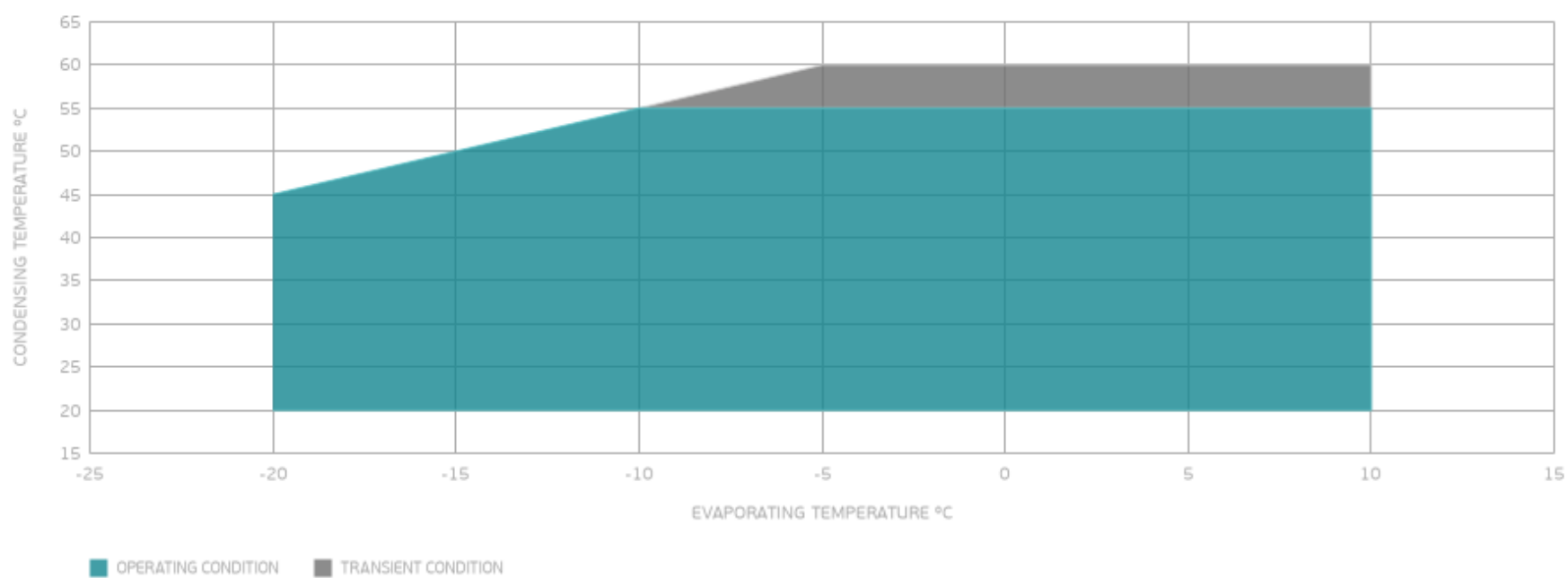
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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
-10	1943	1.49	1300	6.43	68.84
-5	2356	1.67	1411	6.90	84.65
0	2831	1.85	1529	7.37	103.54
5	3367	2.05	1645	7.84	125.76
10	3965	2.27	1749	8.31	151.60

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

