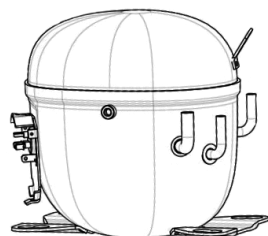


NTU6238GKV



ENGINEERING CODE
925EA60

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSCR

STANDARD
ASHRAE

COOLING CAPACITY
2575 W

EFFICIENCY
2 W/W



DATA

GENERAL DATA

Model	NTU6238GKV
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	26.21 cm ³
Oil Charge	650 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	18.1 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	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	2575	2	1290	-	70.25

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data are an indication of performance based simulation.

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	2003	2.24	894	-	43.51
-15	2482	2.60	955	-	54.23
-10	3062	3.01	1018	-	67.29
-5	3739	3.47	1077	-	82.77
0	4511	4.03	1121	-	100.74
5	5374	4.71	1142	-	121.30
10	6327	5.59	1131	-	144.50

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data are an indication of performance based simulation.

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	1757	1.76	995	-	42.12
-15	2170	2.04	1065	-	52.36
-10	2667	2.32	1147	-	64.81
-5	3248	2.63	1234	-	79.55
0	3908	2.97	1315	-	96.66
5	4645	3.36	1384	-	116.21
10	5456	3.81	1431	-	138.28

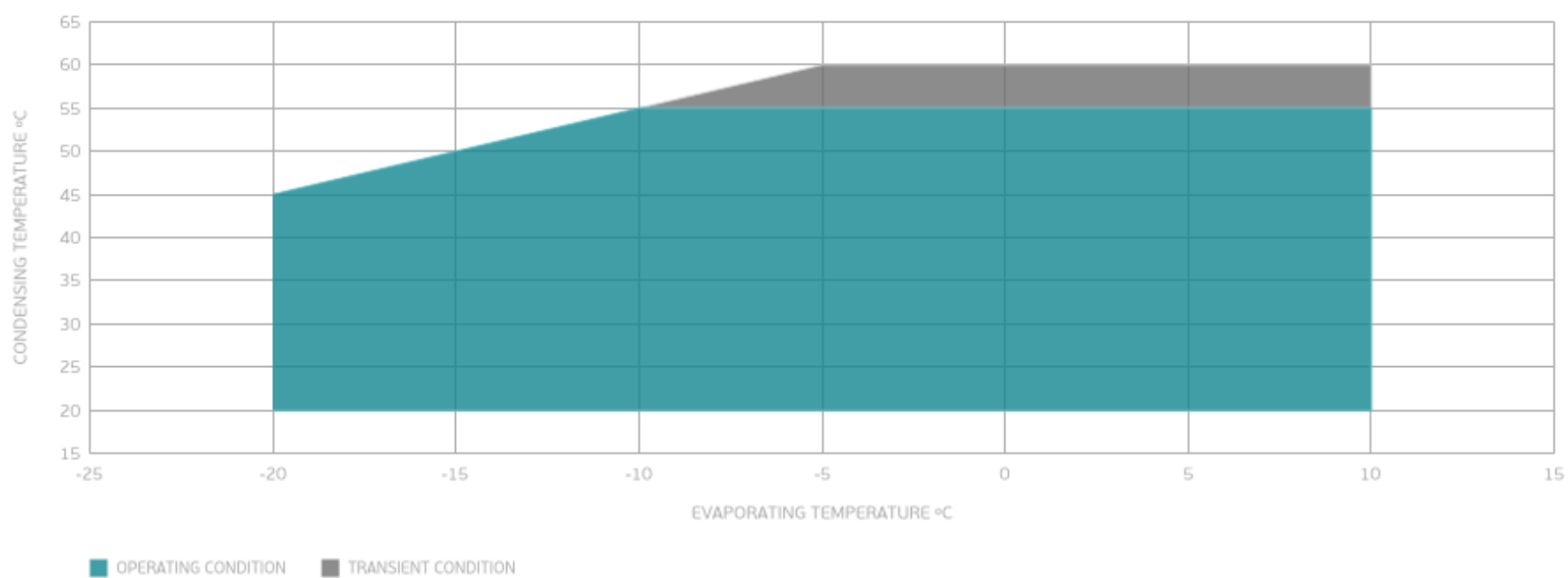
Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data are an indication of performance based simulation.

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	2231	1.82	1225	-	60.99
-5	2717	2.04	1330	-	74.94
0	3267	2.27	1440	-	91.13
5	3880	2.51	1547	-	109.63
10	4551	2.77	1642	-	130.53

Test Condition: Subcooling 8.3 K, Return Gas 35 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

