MODEL
NT6226GK

APPROVALS

ENGINEERING CODE
923BD02

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
208-230 V 60 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
MBP

COOLING CAPACITY
1991 W (MBP)

EFFICIENCY
1.51 W/W (MBP)

MOTOR TYPE
CSCR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	22.37 cm³
Compressor Cooling	Fan/NotControled/230
Fan Air Flow	520 m³/h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1 hp
Max Condensing Pressure Operating	24.71 bar
Max Condensing Pressure Peak	27.71 bar
Power Supply	208-230 V 60 Hz
Evaporating Temperature Range	-20 °C to 10 °C

Electrical Data

Motor type	CSCR
Starting Torque	HST
Start Winding Resistance	5.65 Ω at 25° C
Run Winding Resistance	1.04 Ω at 25° C

Mechanical Data

Maximum Recommended Refrigerant Charge	800 g
Oil Charge	450 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Pressurization	Dry air charge
Weight	17.5 Kg
Free Internal Volume	3.3 L

Electrical Components

	Description
Run Capacitor	20
Start Capacitor	72-88 Uf / 330 V
CSR / CSIR Box	YES
Motor Protection	T0793/C9
Starting Device	RVA3AN3C-647

External Characteristics

Base Plate	Universal
Tray Holder	No
Height	234 mm

Connector	Internal Diameter	Shape
Suction	9.6 mm	Vertical/Copper
Discharge	6.42 mm	Vertical/Copper
Process	6.42 mm	Vertical/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Gas Flow Rate	Efficiency
45.00°C	-10.00°C	1991 W	1323 W	59.78 kg/h	1.51 W/W

Test Condition: EN12900MBP, Fan/NotControled/230, Return Gas 20°C, Evaporation -10.00°C, Condensing 45.00°C, Ambient 35°C , Liquid 45°C, Subcooling 0K. Data are an indication of performance based simulation.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-20	1557	1034	40.35	1.51
-15	1937	1138	50.64	1.7
-10	2369	1242	62.45	1.91
-5	2854	1348	76.03	2.12
0	3397	1454	91.63	2.34
5	4000	1563	109.49	2.56
10	4667	1675	129.87	2.79

Test Condition: EN12900MBP, Fan/NotControled/230, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-20	1282	1096	37.81	1.17
-15	1614	1208	47.99	1.34
-10	1991	1323	59.78	1.51
-5	2416	1439	73.44	1.68
0	2893	1559	89.21	1.86
5	3424	1682	107.33	2.04
10	4012	1809	128.06	2.22

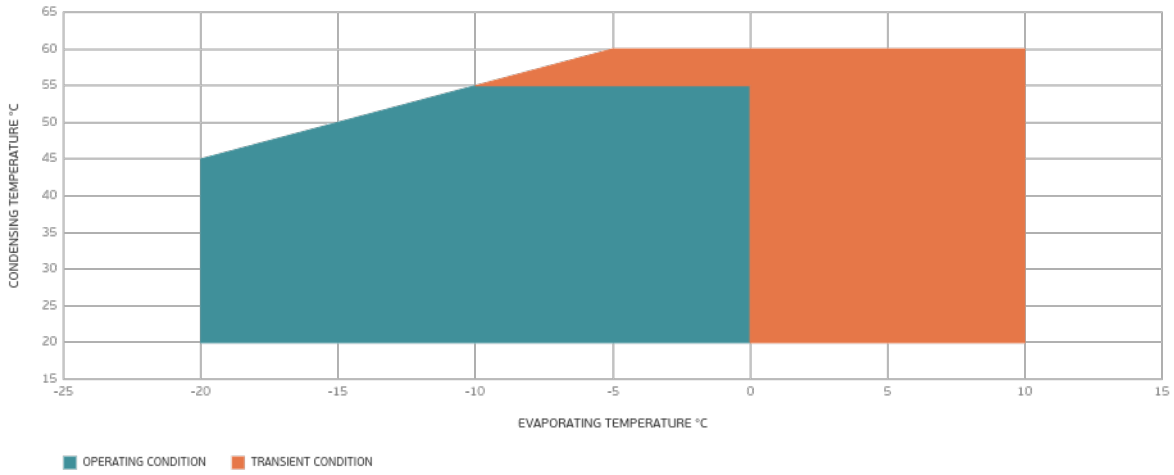
Test Condition: EN12900MBP, Fan/NotControled/230, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Condensing Temperature 55°C

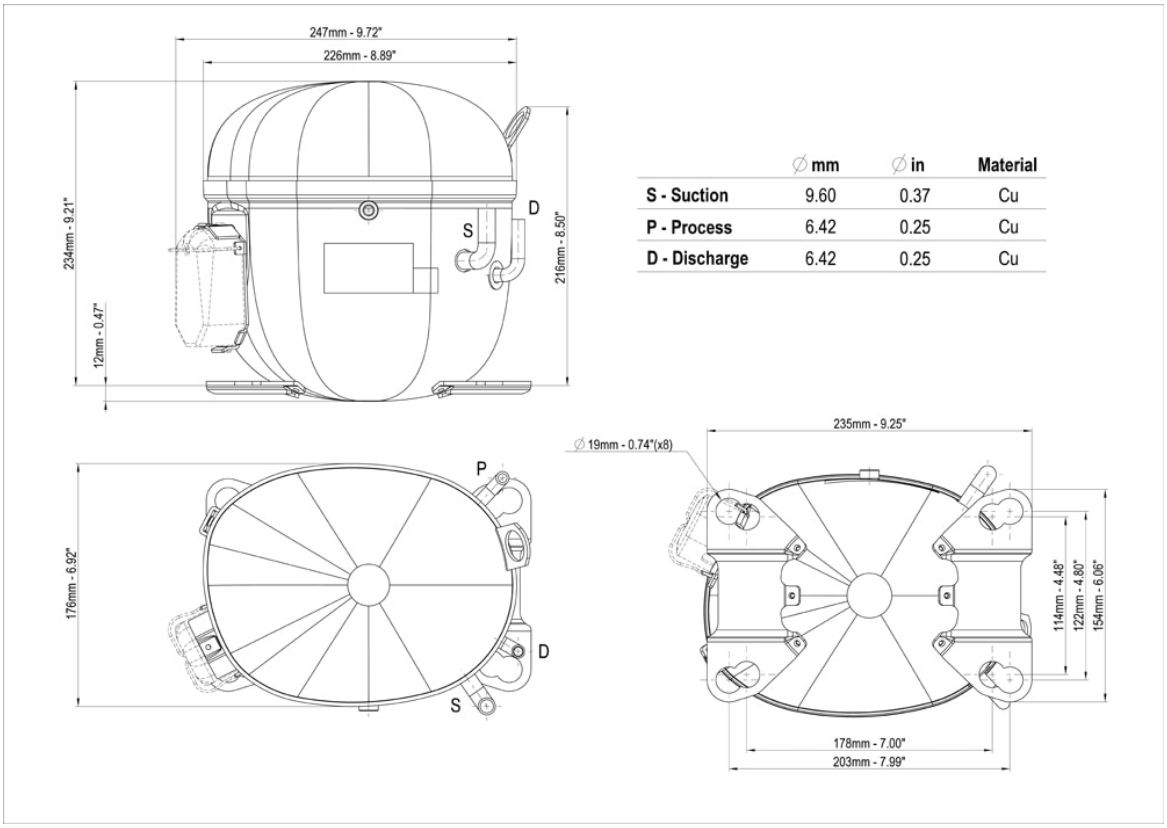
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-10	1616	1397	57.28	1.16
-5	1972	1533	70.91	1.29
0	2373	1674	86.75	1.42
5	2823	1818	105.04	1.55
10	3325	1968	126.02	1.69

Test Condition: EN12900MBP, Fan/NotControled/230, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data are an indication of performance based simulation.

Operating Envelope

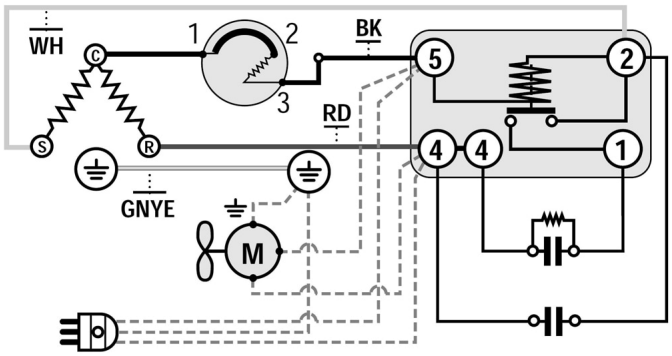


External Dimensions



	∅ mm	∅ in	Material
S - Suction	9.60	0.37	Cu
P - Process	6.42	0.25	Cu
D - Discharge	6.42	0.25	Cu

Wiring Diagram



Assembly Instructions