MODEL
NT6226GK

APPROVALS

ENGINEERING CODE
923BD02

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
208-230 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
MBP

COOLING CAPACITY
2262 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
54.40°C	-6.70°C	2262 W	1494 W	61.81 kg/h	1.51 W/W

Test Condition: ASHRAEMBP46, Fan/NotControled/230, Return Gas 35°C, Evaporation -6.70°C, Condensing 54.40°C, Ambient 35°C , Liquid 46.1°C, Subcooling 8.3K. 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	1751	1038	38.02	1.69
-15	2179	1143	47.60	1.91
-10	2663	1248	58.53	2.13
-5	3207	1355	71.01	2.37
0	3815	1463	85.21	2.61
5	4490	1573	101.31	2.85
10	5237	1686	119.48	3.11

Test Condition: ASHRAEMBP46, Fan/NotControled/230, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. 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	1485	1101	35.62	1.35
-15	1870	1215	45.11	1.54
-10	2307	1331	56.04	1.73
-5	2800	1450	68.60	1.93
0	3354	1572	82.96	2.13
5	3971	1697	99.31	2.34
10	4656	1827	117.83	2.55

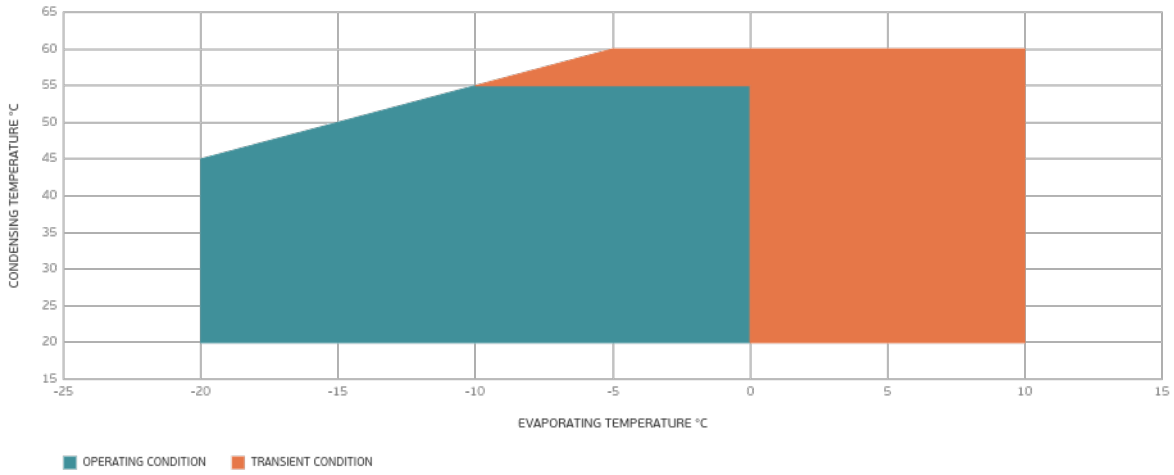
Test Condition: ASHRAEMBP46, Fan/NotControled/230, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data are an indication of performance based simulation.

Condensing Temperature 55°C

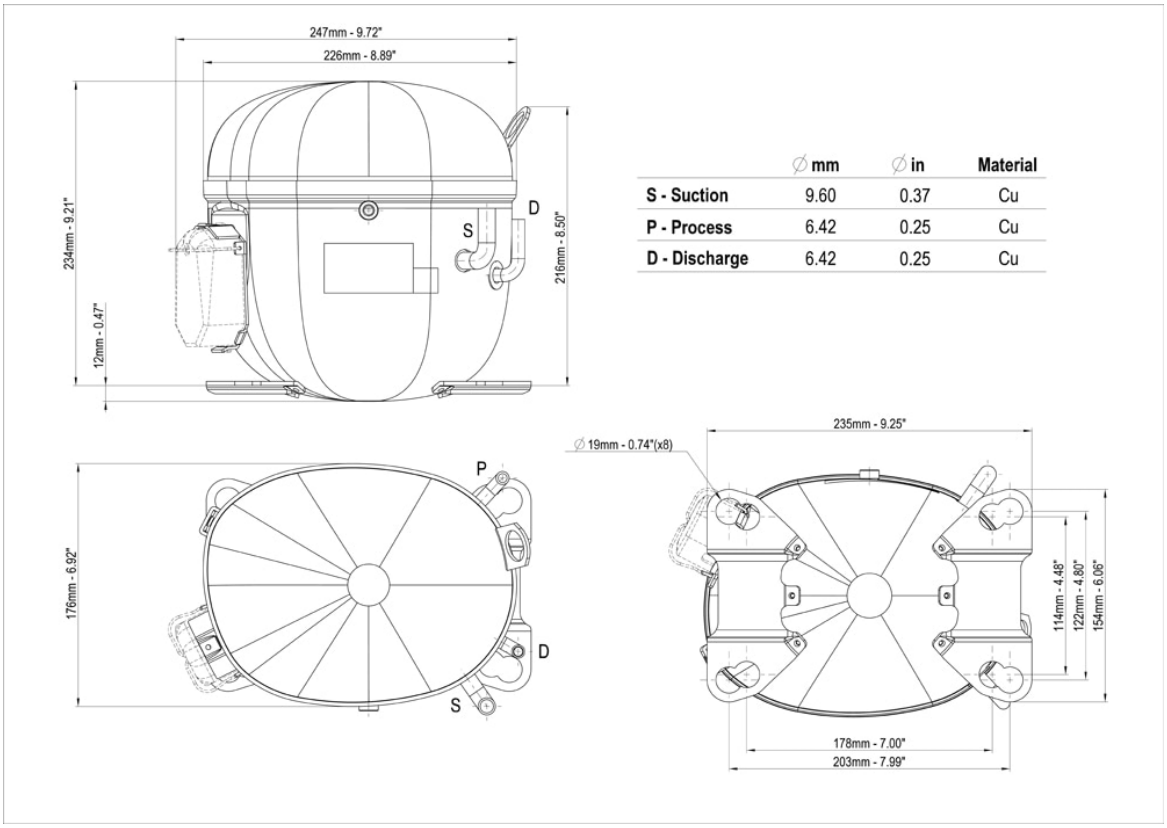
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-10	1964	1409	53.69	1.39
-5	2400	1548	66.24	1.55
0	2893	1692	80.68	1.71
5	3446	1840	97.19	1.87
10	4063	1995	115.96	2.04

Test Condition: ASHRAEMBP46, Fan/NotControled/230, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data are an indication of performance based simulation.

Operating Envelope

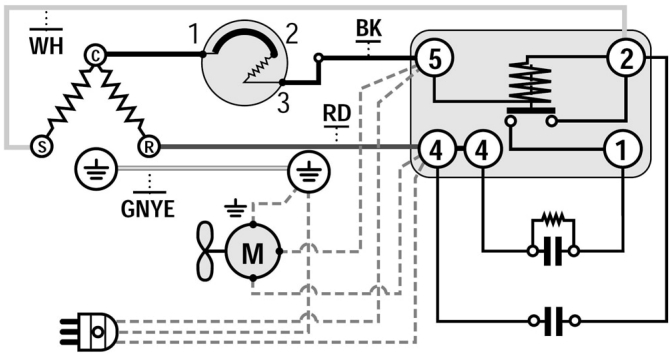


External Dimensions



	∅ 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