MODEL
NT6217GK

APPROVALS

ENGINEERING CODE
922AN04

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
200-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
MBP

COOLING CAPACITY
995 W (MBP)

EFFICIENCY
1.68 W/W (MBP)

MOTOR TYPE
CSCR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	12.55 cm^3
Compressor Cooling	Fan/NotControled/200
Fan Air Flow	520 m^3/h
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	3/4 hp
Max Condensing Pressure Operating	24.71 bar
Max Condensing Pressure Peak	27.71 bar
Power Supply	200-240 V 50 Hz / 230 V 60 Hz
Evaporating Temperature Range	-20 °C to 10 °C

Electrical Data

Motor type	CSCR
Starting Torque	HST
Start Winding Resistance	12.7 Ω at 25° C
Run Winding Resistance	2.7 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 Kg
Free Internal Volume	3.3 L

Electrical Components

	Description
Start Capacitor	72-88 Uf / 330 V
CSR / CSIR Box	YES
Starting Device	RVA3N3C-122
Motor Protection	MRA38168-3261
Run Capacitor	17.5

External Characteristics

Base Plate	Universal
Tray Holder	No
Height	220 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	995 W	593 W	27.21 kg/h	1.68 W/W

Test Condition: ASHRAEMBP46, Fan/NotControled/200, 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	753	420	16.36	1.79
-15	987	451	21.55	2.19
-10	1261	484	27.71	2.6
-5	1568	518	34.71	3.03
0	1900	549	42.45	3.46
5	2251	576	50.81	3.9
10	2613	599	59.66	4.36

Test Condition: ASHRAEMBP46, Fan/NotControled/200, 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	621	430	14.91	1.45
-15	813	469	19.63	1.74
-10	1044	514	25.36	2.03
-5	1307	565	32.00	2.31
0	1594	619	39.42	2.57
5	1899	675	47.50	2.81
10	2214	730	56.14	3.03

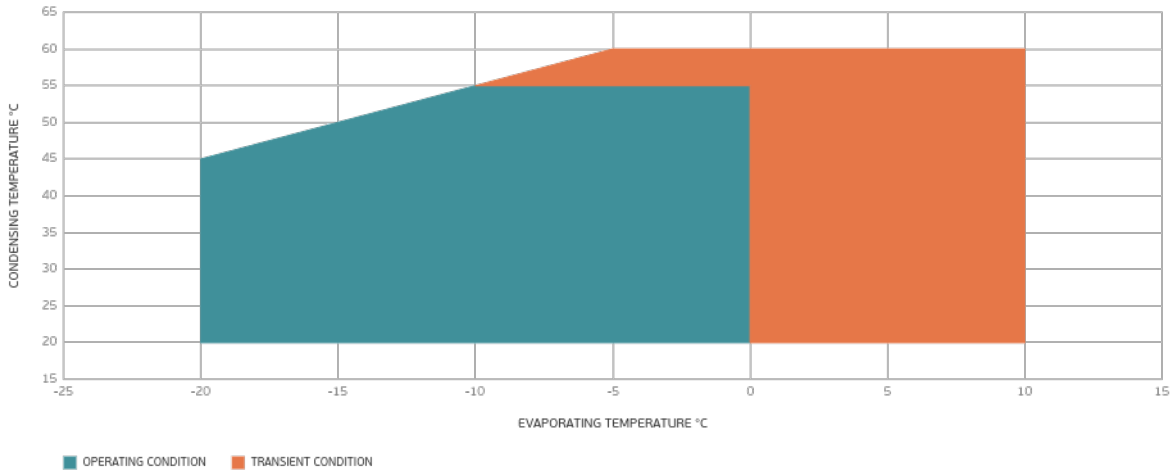
Test Condition: ASHRAEMBP46, Fan/NotControled/200, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data are an indication of performance based simulation.

Condensing Temperature 55°C

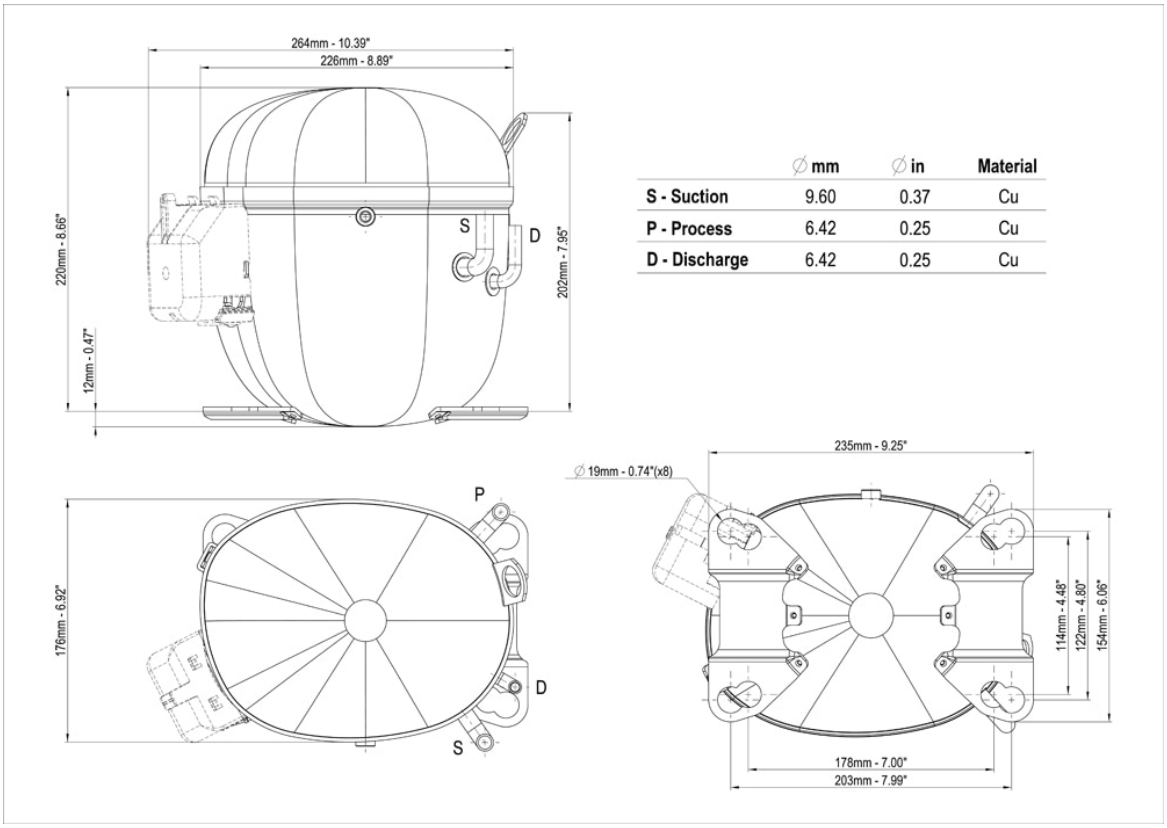
Evaporating Temperature °C	Cooling Capacity W	Power W	Gas Flow Rate kg/h	Efficiency W/W
-10	847	553	23.17	1.53
-5	1062	617	29.29	1.72
0	1300	689	36.24	1.89
5	1555	768	43.92	2.02
10	1820	852	52.20	2.14

Test Condition: ASHRAEMBP46, Fan/NotControled/200, Return Gas 35°C, Ambient 35°C , Subcooling 8.3K. Data are an indication of performance based simulation.

Operating Envelope

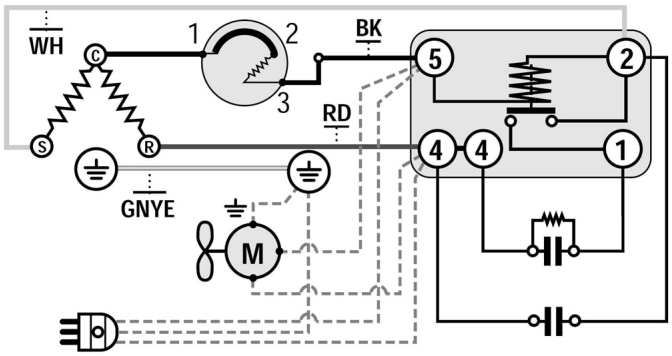


External Dimensions



	Ø mm	Ø 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