MODEL
NT2192GK

APPROVALS

ENGINEERING CODE
923EA04

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
1042 W (LBP)

EFFICIENCY
1.28 W/W (LBP)

MOTOR TYPE
CSIR

STARTING TORQUE
HST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	22.37 cm^3
Compressor Cooling	Fan/NotControled/220
Fan Air Flow	520 m^3/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	220-240 V 50 Hz
Evaporating Temperature Range	-40 °C to -10 °C

Electrical Data

Motor type	CSIR
Starting Torque	HST
Start Winding Resistance	8.4 Ω at 25° C
Run Winding Resistance	1.9 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
Start Capacitor	130-156 Uf / 250 V
Starting Device	Relay | MTRPH61-65*
Motor Protection	T0060/20

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	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	1042 W	812 W	4.92 A	24.10 kg/h	1.28 W/W

Test Condition: ASHRAELBP32, Fan/NotControled/220, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C , Liquid 32.2°C, Subcooling 22.2K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-40	486	449	3.85	11.16	1.08
-35	653	526	4.02	15.02	1.24
-30	865	603	4.24	19.97	1.43
-25	1123	680	4.49	26.03	1.65
-20	1426	759	4.77	33.24	1.88
-15	1774	838	5.1	41.60	2.12
-10	2167	918	5.46	51.14	2.36

Test Condition: ASHRAELBP32, Fan/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	600	540	4.05	13.79	1.11
-30	802	634	4.33	18.48	1.26
-25	1048	731	4.65	24.25	1.43
-20	1338	828	5.01	31.12	1.62
-15	1671	927	5.4	39.11	1.8
-10	2048	1028	5.84	48.24	1.99

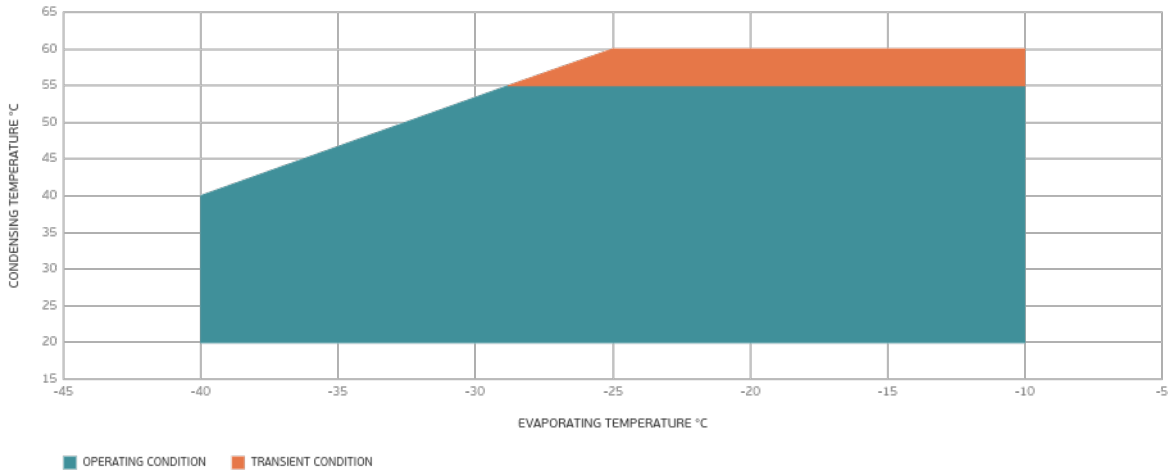
Test Condition: ASHRAELBP32, Fan/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

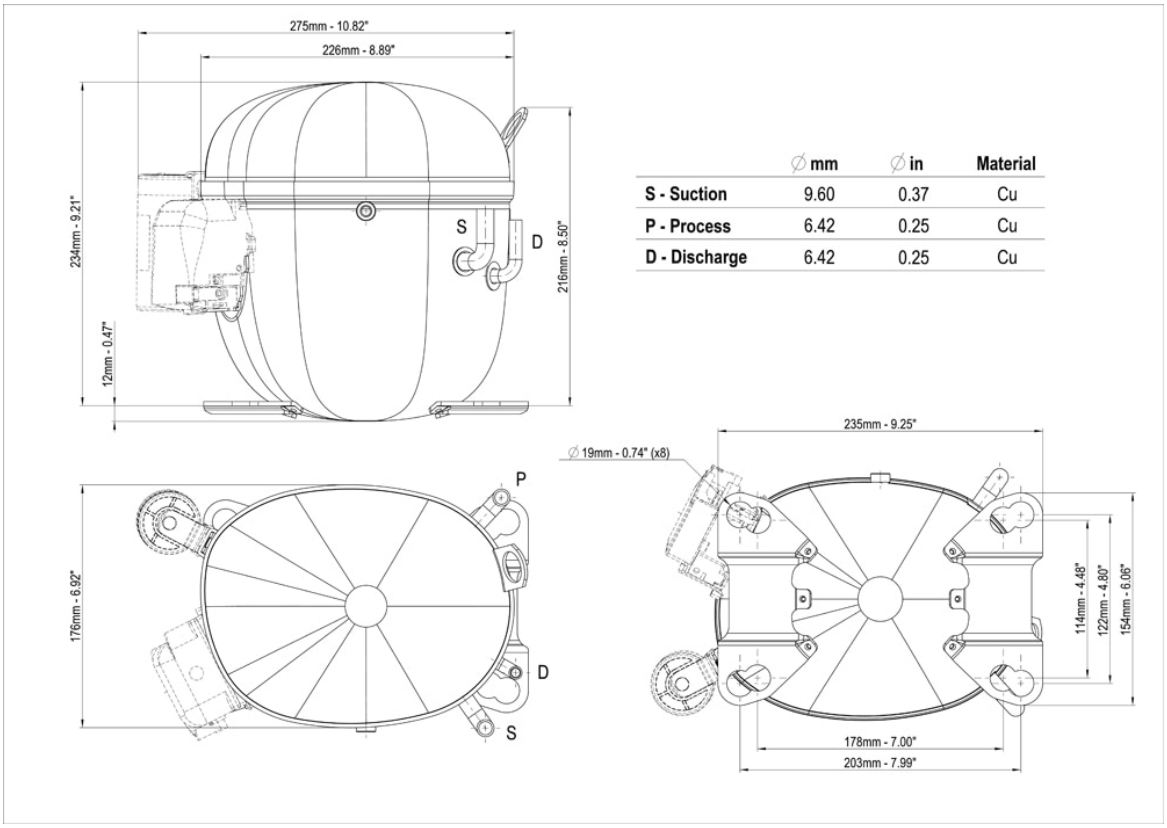
Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-30	717	663	4.43	16.50	1.08
-25	950	775	4.8	21.94	1.23
-20	1225	889	5.21	28.44	1.38
-15	1543	1004	5.66	36.02	1.54
-10	1902	1122	6.15	44.71	1.69

Test Condition: ASHRAELBP32, Fan/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Operating Envelope

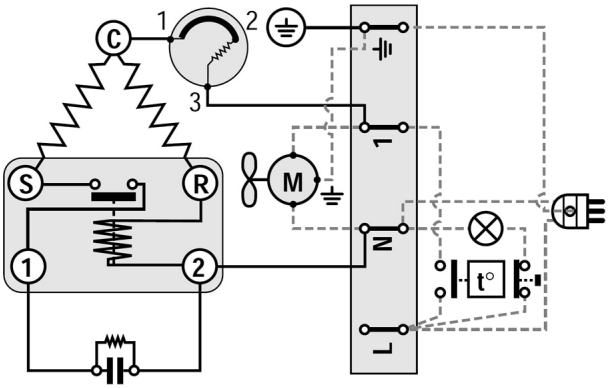


External Dimensions



	∅ 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