

NGV-DI222

Power Gen / Marine / Railway
500 kW (670 hp) @ 1500-2000 rpm
Stage V



PERFORMANCE

Peak Power	500 kW (670 hp) @ 1500-2100 rpm
Peak Torque	3400 Nm @ 1200 rpm
High Idle Speed	2100 rpm
Low Idle Speed	600 rpm
Minimum Starting Temperature (without auxiliaries)	-15°C
ISO Power	1500 – 2000 rpm

SPECIFICATION

Thermodynamic cycle	Otto 4 stroke
Air Management System	TCA
Bore x Stroke	128 x 142
Total Displacement	21.927
Valves per Cylinder	2
Cooling System	Liquid
Direction of Rotation (viewed facing flywheel)	Counterclockwise
Compression Ratio	10 : 1
Fuel	CNG / LNG / NG
Injection System	Multi-point / mixer
Arrangement	V 12 / 90°

STANDARD CONFIGURATION

Intake Manifold Location	Top - center
Exhaust Manifold Location	Rear – twin outlet
Turbocharger	2x Fixed Geometry with controlled WG
Turbocharger Location	Rear side
Fuel Filter	In line ahead of pressure controller
Oil Filter	Twin arrangement on heat exchanger, cartridge type
Oil Sump	Aluminium – central sump
Oil Vapor	Blow-by circuit with external filters
Oil Cooling	Coolant heat exchangerfilters
Alternator	28 V - 240 A
Starter	24 V - 8.5 kW
Engine Stop device	Electronic control unit
Wiring Harness	Installed on engine – connected with ECU
Air Compressor	Available on request

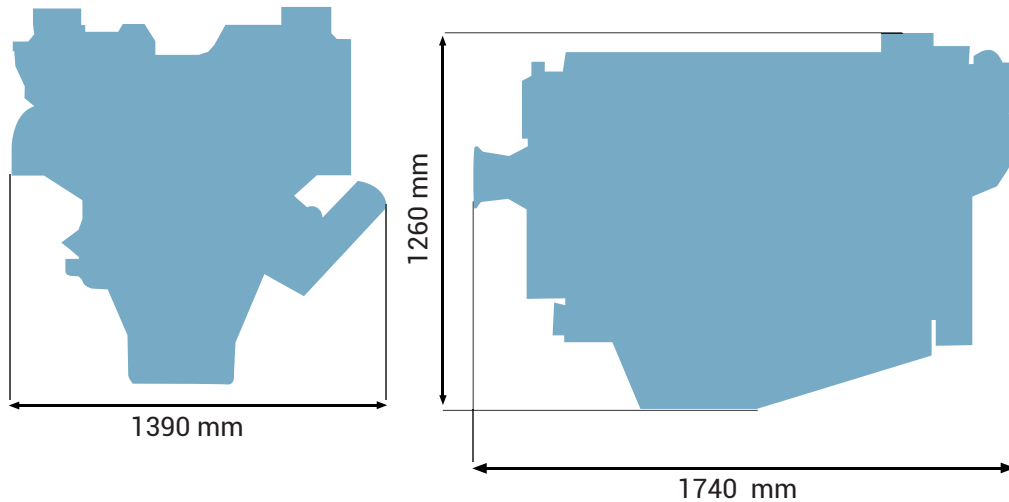
WEIGHT AND DIMENSION

Dimension [LxWxH]

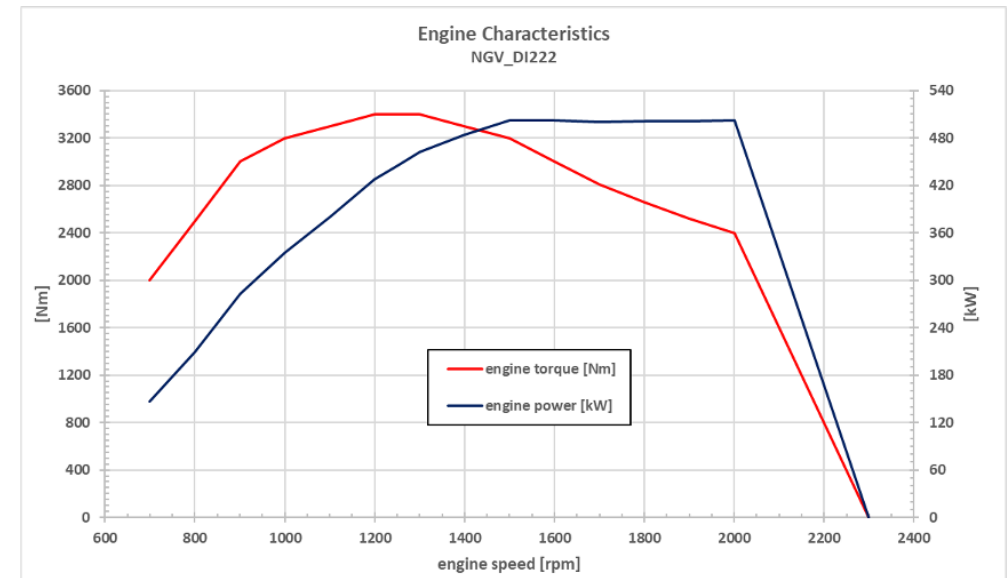
1740 x 1390 x 1260 mm

Dry Weight

1500 kg



POWER & TORQUE



NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)

PTO - Transmission Ratio

PTO - Maximum Available

Battery - minimum capacity recommended

300 Ah

Battery - minimum cold cranking capacity recommended

1000 Ah

LEGEND

Arrangement

L (in line)
V (90° V configuration)

Air Handling

TCA (Turbocharged with aftercooler)
TC (Turbocharged)
NA (Naturally Aspirated)

Turbocharger

WG (Wastegate)
VGT (Variable Geometry Turbocharger)
TST (Twin Stage Turbocharger)

Injection System

M (Mechanical)
ECR (Electronic Common Rail)
EUI (Electronic Unit Injection)
MPI (Multi Point Injection)

Emission standard

EEV (Enhanced Environmentally friendly Vehicle)

Exhaust System

EGR (Exhaust Gas Recirculation)
SCR (Selective Catalytic Reduction)