

NGV-FP129

On Road, Off-Road, Power Gen, Marine
300 kW (408 hp) @ 1400-2000 rpm
EEV / EURO VI / Stage V



PERFORMANCE

Peak Power	300 kW (408 hp) @ 1400-2000 rpm
Peak Torque	2000 Nm @ 1100 rpm
High Idle Speed	2300 rpm
Low Idle Speed	+/- 600 rpm
Minimum Starting Temperature (without auxiliaries)	-20°C
ISO Power	1400 – 2000 rpm

SPECIFICATION

Thermodynamic cycle	Otto 4 stroke
Air Management System	TCA
Bore x Stroke	135 x 150
Total Displacement	12.9
Valves per Cylinder	4
Cooling System	Liquid
Direction of Rotation (viewed facing flywheel)	Counterclockwise
Compression Ratio	12 : 1
Fuel	CNG / LNG
Injection System	Multi-point
Arrangement	6-cylinder in-line

STANDARD CONFIGURATION

Intake Manifold Location	Right side
Exhaust Manifold Location	Left side
Turbocharger	Fixed Geometry with controlled WG
Turbocharger Location	Center / left side
Fan Transmission Ratio	1.3 : 1
Distance between fan - crankshaft center	X= 180 mm Y=50 mm
Fuel Filter	Single cartridge – right side
Oil Filter	Single cartridge - left side
Oil Sump	Suspended sheet steel
Oil Vapor	Blow-by circuit close case ventilation
Oil Cooling	Coolant heat exchanger
Alternator	24 V - 90 A
Starter	24 V – 5.5 kW
Engine Stop device	Electronic control unit
Wiring Harness	Interface wiring loom with accessories
Hydraulic Steering Pump	16 - 20 - 25
Air Compressor	352

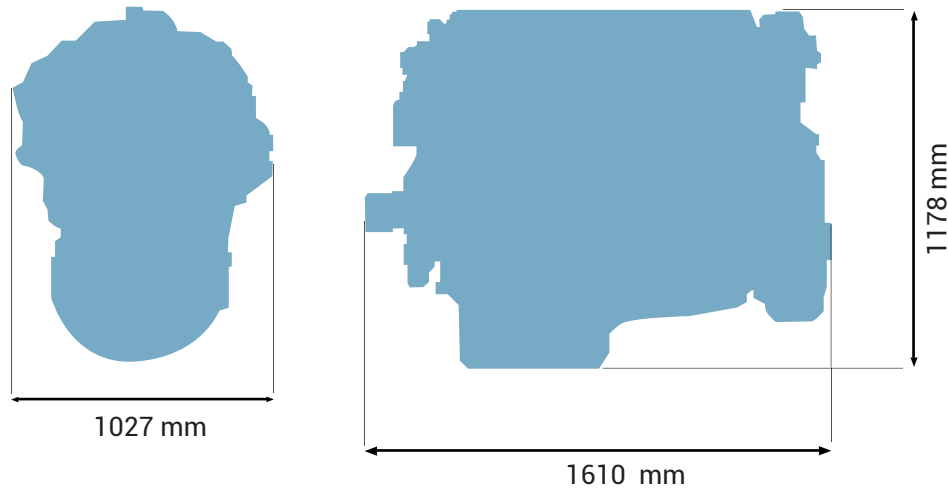
WEIGHT AND DIMENSION

Dimension [LxWxH]

1610 x 1027 x 1178 mm

Dry Weight

1240 kg

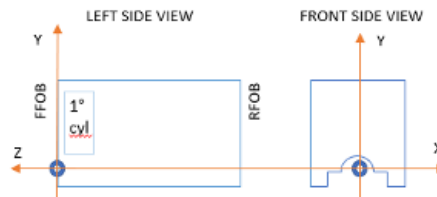


Center of gravity (FFOB or RFOB according to picture, standard engine layout)

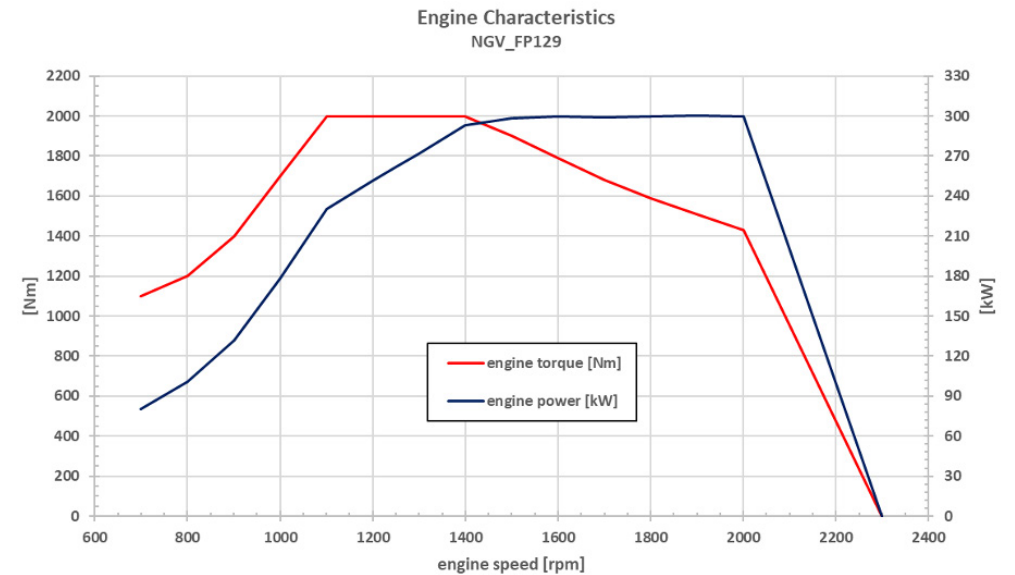
x mm	433
y mm	15
z mm	223

Principal moment of inertia (reference on center of gravity)

I_1 kgm ²	8,76E+07
I_2 kgm ²	2,04E+07
I_3 kgm ²	2,40E+07



POWER & TORQUE



NOT INCLUDED IN STANDARD CONFIGURATION

Power Take Off (PTO)

PTO - Transmission Ratio 1.14 : 1

PTO - Maximum Available 800

Battery - minimum capacity recommended 2500 Ah

Battery - minimum cold cranking capacity recommended 800 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)