

PRODUCT SPECIFICATIONS FOR 415GM

POWER RATING

Minimum Power	12.3 kW
Maximum Power	14.7 kW
Rated Speed	1500-1800 rpm
Maximum Torque	85.9 Nm @ 1500 rpm

EMISSION STANDARDS

Emissions	Meets EPA Tier 3, EU97/68/EU stage IIIA
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GENERAL

Bore	84 mm
Stroke	90 mm
Displacement	1.5 l
Aspiration	Naturally aspirated
Rotation from Flywheel End	Anti-clockwise
Combustion System	Indirect injection
Number of Cylinders	3 inline
Total Lubricating Capacity	6 l
Cooling System	Liquid
Total Coolant Capacity	8 l
Cycle	4 stroke
Compression Ratio	22.5:1

ENGINE DIMENSIONS*

Dry Weight	206 kg
Width	566 mm
Wet Weight	213 kg
Height	672 mm
Length - Flywheel Housing	595 mm

DISCLAIMER

Note 1	Final dimensions dependent on selected options
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415GM STANDARD EQUIPMENT

AIR INLET SYSTEM

Mounted air filters

Fresh water cooled exhaust manifold incorporating header tank assembly

CONTROL SYSTEM

12 volt starter motor and 12 volt 55 amp alternator with DC output

Glow plug cold start aid and heater/starter switch

Oil pressure and coolant temperature switches

COOLING SYSTEM

Fresh water heat exchanger cooled engine with gear driven self priming raw water pump and ceramic seals

Thermostatically controlled system with belt driven circulating pump

FLYWHEELS AND FLYWHEEL HOUSING

Flywheel housing SAE 4 long

High inertia flywheel to SAE J620 size 7% heavy

FUEL SYSTEM

Electronically governed cassette type fuel injection pump

Single element fuel filter

GENERAL

Front and rear mounting brackets

User's Handbook

OIL SYSTEM

Spin on, full flow lubricating oil filter

Wet steel sump with filler and dipstick