

# Product Specifications for 422GM

<b>Minimum Power</b>	18.4 kW
<b>Maximum Power</b>	22 kW
<b>Maximum Torque</b>	131 Nm @ 1500 rpm
<b>Rated Speed</b>	1500-1800 rpm
<b>Emissions</b>	Meets U.S. EPA Tier 3/EU97/68/EU Stage IIIA
<b>Bore</b>	84 mm
<b>Stroke</b>	100 mm
<b>Displacement</b>	2.2 l
<b>Aspiration</b>	Naturally aspirated
<b>Rotation from Flywheel End</b>	Anti-clockwise
<b>Total Coolant Capacity</b>	10 l
<b>Compression Ratio</b>	23.3:1
<b>Total Lubricating Capacity</b>	10.6 l
<b>Cycle</b>	4 stroke
<b>Cooling System</b>	Liquid
<b>Number of Cylinders</b>	4 inline

**Combustion System**

Indirect injection

**Width**

520 mm

**Length - Flywheel Housing**

691 mm

**Height**

710 mm

**Wet Weight**

277 kg

**Dry Weight**

258 kg

**Note 1**

Final dimensions dependent on selected options

## 422GM Standard Equipment

### Air inlet system

Air filter

Fresh water cooled exhaust manifold incorporating header tank assembly

### Control system

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

Crew plus cold start aid and heater/starter switch

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 7½ 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 lub oil filter

Wet steel sump with filler and dipstick

