

## PRODUCT SPECIFICATIONS FOR 422GM

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### *POWER RATING*

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<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

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### *EMISSION STANDARDS*

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<b>Emissions</b>	Meets U.S. EPA Tier 3/EU97/68/EU stage IIIA
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### *GENERAL*

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<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
<b>Combustion System</b>	Indirect injection

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**ENGINE DIMENSIONS\***

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<b>Width</b>	520 mm
<b>Length - Flywheel Housing</b>	691 mm
<b>Height</b>	710 mm
<b>Wet Weight</b>	277 kg
<b>Dry Weight</b>	258 kg

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**DISCLAIMER**

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Note 1	Final dimensions dependent on selected options
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## 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

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 lub oil filter

Wet steel sump with filler and dipstick