

PRODUCT SPECIFICATIONS FOR 422TGM

POWER RATING

Minimum Power	24.5 kW
Maximum Power	30.3 kW
Maximum Torque	176.6 Nm @ 1800 rpm
Rated Speed	1500-1800 rpm

EMISSION STANDARDS

Emissions	Meets U.S. EPA Tier 3/EU97/68/EU stage IIIA
------------------	---

GENERAL

Bore	84 mm
Stroke	100 mm
Displacement	2.2 l
Aspiration	Turbocharged
Rotation from Flywheel End	Anti-clockwise
Total Lubricating Capacity	10.6 l
Total Coolant Capacity	10.5 l
Cycle	4 stroke
Combustion System	Indirect injection
Number of Cylinders	4 inline
Cooling System	Liquid
Compression Ratio	23.3:1

ENGINE DIMENSIONS*

Wet Weight	285 kg
Length - Flywheel Housing	649 mm
Width	551 mm
Height	734 mm
Dry Weight	266 kg

DISCLAIMER

Note 1

Final dimensions dependent on selected options

422TGM 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 and ceramic seals

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