

Product Specifications for 422TGM

Minimum Power	24.5 kW
Maximum Power	30.3 kW
Maximum Torque	176.6 Nm @ 1800 rpm
Rated Speed	1500-1800 rpm
Emissions	Meets U.S. EPA Tier 3/EU97/68/EU Stage IIIA
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

Wet Weight 285 kg

Length - Flywheel Housing 649 mm

Width 551 mm

Height 734 mm

Dry Weight 266 kg

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

Claw plug 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 and ceramic seals

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

