



Yanmar Repower Slashes Fuel Bills

Bermagui pro fisherman Dominic Puglisi has re-powered his fishing trawler with a Yanmar 6KYM series engine and slashed more than \$45,000 from his annual fuel bill.



Melisa is a 57 tonne, 60' carvel timber trawler built by Bob McLaren in 1982 and was originally powered by a 3408 Caterpillar engine. The old 365hp Caterpillar diesel engine was chewing through fuel at the rate of 55-60 litres per hour.

"I did my homework and looked at all the name brands in marine diesel engines," said Dominic Puglisi.

"Then I spoke to my local marine engineer Craig Hurst. He not only recommended the Yanmar 6KYM engine, but was absolutely convincing in his commitment to the product."

The Yanmar people in Melbourne keep a 6KYM engine in stock for situations just like the Melisa re-power. Within 3 weeks of signing on for the repower, Melisa was back on the water, totally repowered and back at sea working.

"The new Yanmar has similar vital statistics to the old engine that Craig Hurst removed. It develops 365 hp and is about 100 kgs lighter."

“But the huge benefit is the fuel savings. Craig promised me that there would be a big saving in the fuel bill but I had no idea that it would be so large.”

“The fuel consumption on Melisa has dropped from 55-60 litres per hour to 38-40 litres per hour. With diesel fuel about \$1 per litre that’s a saving of \$15-\$20 per engine hour of operation. Given that we run up to 3000 hours a year the fuel saving in our first year of operation will be \$45,000 to \$50,000.”

In addition to the fuel savings the benefits of the re-power continue. The new Yanmar is both narrower and shorter than the engine that it replaced, making more space available in the engine room. And with the new engine cooling system operating, the Twin Disc gearbox runs at 30° degrees cooler.

Service intervals and down time have also been drastically reduced. Melisa used to be out of action every 200 hours while being serviced, whereas the service interval with the Yanmar 6KYM is now every 500 hours.

Weighing in at around 57 tonnes, Melisa cruises out offshore and home again at 9 knots with the Yanmar 6KYM ticking over at 1600 rpm. Dominic Puglisi trawls pulling his nets at 3 knots fishing for ling, silver dory, flat head and scale fish.

Melisa is just one of the boats in the fleet operated by the Puglisi family.

“We’re more than happy with our move to Yanmar,” Dominic Puglisi said. “Massive fuel savings, lengthened service intervals and greater reliability... what more could I possibly ask for?”

The Yanmar 6KYM series is rated between 365 and 650 MHP depending upon configuration. This model Yanmar has a six in-line cylinder turbo charged engine, with a 13.733 litre displacement.

Yanmar Marine diesel engines are respected around the world for their outstanding performance, compact design and unmatched dependability.

Yanmar Marine offers a full range of proven engines to suit both pleasure craft and commercial fishing and workboat applications.

Power Equipment is the exclusive and authorised Australian Distributor of Yanmar Marine and Industrial Diesel Engines importing product from Yanmar plants in Japan, Asia, USA and Europe.

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Specifications

	6KYM-ETE
Type	4 Cycle, Vertical, Turbo-charged
Cylinders	6 in-line
Bore x Stroke	132.9 x 165 mm
Displacement	13.733 litres
Rated Output - S	650hp @ 2200rpm
Rated Output - L	600hp @ 2150rpm
Rated Output - M	550hp @ 2100rpm
Cooling System	Fresh water cooling with sea water and fresh water pumps
Aspiration	24 valve design, twin turbochargers
Dry Mass (without trans)	1450 kg