

Volvo Penta MC Rating Definitions April 2016

Rating 1 - Continuous Duty Commercial

This power rating is intended for commercial vessels with displacement hulls in heavy operation.

Load and speed could be constant, and full power can be used without interruption.
Unlimited number of running hours per year.

Typical application: Coastal fishing boats, tugboats, trawlers, barges, ferries.

Rating 2 - Heavy Duty Commercial

This power rating is intended for commercial vessels with semiplaning or displacement hulls in cyclical operation.

Full power could be utilized maximum 8 hours per 12 hours operation period.
Between full load operation periods, engine speed should be reduced at least 10% from the obtained full load engine speed, and the load should be cycled between 20%-85%.
Running hours: less than 5,000 hours per year.

Typical application: Patrol and pilot boats, Fishing boats, Passenger, crew and work boats.

Rating 3 - Light Duty Commercial

This power rating is intended for commercial boats with high demands on speed and acceleration, planing or semiplaning hulls in cyclical operation.

Full power could be utilized maximum 2 hours per 12 hours operation period.
Between full load operation periods, engine speed should be reduced at least 10% from the obtained full load engine speed, and the load should be cycled between 20%-85%.
Running hours: less than 2,000 hours per year.

Typical application: Fast patrol, rescue, police, light fishing, taxi boats, offshore supply, coastguard boats and high-speed passenger ferries etc.

Rating 4 - Special Light Duty Commercial

This power rating is intended for light planing craft in commercial operation.
Full power could be utilized maximum 1 hour per 12 hours operation period.
Between full load operation periods, engine speed should be reduced at least 10% from the obtained full load engine speed, and the load should be cycled between 20%-85%.
Running hours : D4/D6 less than 800 hours per year.
D9-D16 less than 1,000 hours per year

Recommended minimum speed at cruising, 25 knots.

Typical application: High-speed patrol, navy, rescue, police, ambulance, offshore supply, coastguard boats, high-speed passenger ferries and special high speed fishing boats.

Rating 5 - Pleasure Duty

This power rating is intended for pleasure craft applications, and can be used for high speed planing crafts in commercial applications with special limited warranty, see warrant handbook. Running hours less than 300 hours* per year.

Full power could be utilized maximum 1 hour per 12 hours operation period. Between full load operation periods, engine speed should be reduced at least 10% from the obtained full load engine speed.

* Should be used as a guideline to select a product with correct rating. For complete warranty information, refer to Volvo Penta Warranty Information.

Please Note!

The rating on each product in Sales Support Tool or in any other Volvo Penta brochure, material etc. states the toughest application allowed. Of course, the product can also be used in an application with a higher rating. For example; a product with Rating 3, can also be used for Rating 4 or 5!