



## **Marine Commercial - Rating Definitions**

### **Rating 1 - Heavy Duty Commercial**

This power rating is intended for commercial vessels with displacement hulls in heavy operation, unlimited\* number of running hours per year.

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

Load and speed could be constant, and full power can be used without interruption.

### **Rating 2 - Medium Duty Commercial**

This power rating is intended for commercial vessels with semi-planing or displacement hulls in cyclical operation, running hours less than 3000 h\* per year.

Typical boats: Most patrol and pilot boats, coastal fishing boats in cyclical operation, (gill-netters, purse seiners, light trawlers), passenger boats and coastal freighters with short trips.

Full power could be utilized maximum 4 h per 12 h operation period. Between full load operation periods, engine speed should be reduced at least 10% from the obtained full load engine speed.

### **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, running hours less than 2000 h\* per year.

Typical boats: Fast patrol, rescue, police, light fishing, fast passenger and taxi boats etc.

Full power could be utilized maximum 2 h per 12 h operation period. Between full load operation periods, engine speed should be reduced at least 10% from the obtained full load engine speed.

### **Rating 4 - Special Light Duty Commercial**

This power rating is intended for light planing craft in commercial operation, running hours less than 800 h\* per year.

Typical boats: High-speed patrol, rescue, navy, and special high speed fishing boats. Recommended minimum speed at cruising, 25 knots.

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

### **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 handbok. Running hours less than 300 h\* per year.

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

### **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!

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