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Boat-Fuel-Economy /  
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Boat motors | Inboard:  
MerCruiser - Volvo  
Penta Diesel Marine  
engines | Outboard:  
Mercury ...

## **Boat Fuel Economy | Outboard motors and Boat motors ...**

One important factor  
for me when I am  
looking for a new boat  
is the fuel economy.

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Some might argue that if you have to ask you can't afford it and while that might be true with the cost of marine fuel and the low fuel economy of boating that can add up quickly.. So I have decided to create a user-submitted database of boats and their fuel economy.

## **Boat Fuel Economy (MPG) Consumption Database**

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On average, an in-tune four-stroke gasoline engine will burn about 0.50 pounds of fuel per hour for each unit of horsepower. Likewise, a well-maintained diesel engine burns about 0.4 pounds of fuel per hour for each unit of horsepower it produces.

**Calculating Boat  
Fuel Consumption |  
Boating Magazine**  
Formula To Estimate

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Maximum Engine Fuel  
Consumption GPH =  
(specific fuel  
consumption x HP)/Fuel  
Specific Weight.

Constants | Gas |

Diesel SFC: .50 lb. per  
HP | .40 lb. per HP

FSW: 6.2 lb. per gal. |  
6.9 lb per gal. 300-hp

Diesel Engine Example

$GPH = (0.4 \times 300) / 6.9$   
 $= 120 / 6.9 = 17.4 \text{ GPH.}$

300-hp Gasoline  
Engine Example

## Calculating Fuel

# Read PDF Marine Engine Fuel Consumption | Boat **GPH**

Specific fuel oil consumption vs. Load: This curve helps to counter check whether the engine is consuming fuel oil correctly as per the load. There may be other parameters listed as per manufacturer. A typical performance curve for a slow speed two stroke marine diesel engine is given below.



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## **How to Use Main Engine Performance Curve ... - Marine Insight**

Formula To Estimate  
Maximum Engine Fuel  
Consumption Gallon  
Per Hour (GPH) =  
(specific fuel  
consumption x HP)/Fuel  
Specific Weight  
Constants Gas Diesel  
SFC .50 lb. per HP .40  
lb. per HP FSW 6.1 lb.  
per gal. 7.2 lb per gal.  
300-hp Diesel Engine

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Example  $GPH = (0.4 \times 300) / 7.2 = 105 / 7.2 = 16.6$  GPH. 300-hp Gasoline Engine Example

## **How To Calculate Fuel Consumption - Carefree Boat Club**

Fuel consumption calculator - MerCruiser - Cummins MerCruiser - Crusader - Volvo Penta Diesel - Mercury - Evinrude - Honda Marine - Yamaha Marine - Suzuki Marine

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- Tohatsu - Johnson -  
Outboards | GPH MPG  
LPH KPL

## **Fuel consumption calculator - MerCruiser - Volvo Penta ...**

Model: HP: 3800: 3600:  
3400: 3300: 3200:  
3100: 3000: 2800:  
2700: 2600: 2500:  
2400: 2200: 1GM10: 9  
.61.54 .43 .36.3 .2.15:  
2GM20: 18 : 1.22: 1.07  
.88 .73.62 .4.28 ...

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## Consumption **Yanmar Engine Fuel Consumption in U.S. Gallons per Hour**

Fuel Economy Engine  
HP Idle 1000 1500  
2000 2500 3000 3500  
4000 4500 4800 WOT  
Volvo Penta 3.0 GL -  
181 cid 135 hp 0.55  
0.95 1.85 3.2 4.1 5.3  
6.9 8.7 11.8 11.8 GPH  
Volvo Penta 4.3 GL -  
26...

## **Volvo Penta Fuel Consumption Chart | Boat GPH**

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A correctly tuned diesel engine consumes fuel according to its power requirements. Simple really, the more power you produce the more fuel you use. The fuel consumption rate for many makes of Diesel Engines can be found in a range between 0.380 & 0.450 lbs/hp hour; 172 & 181 grams/hp hour; 231 & 243 grams/kW hour.

**fuel consumption**

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## **formulas and tables - Barrington Diesel Club**

However, fuel consumption on a bass boat is better than a pontoon. An average bass boat will consume between 4 - 5 gallons per hour at cruising speed. Bass boats reach optimal fuel efficiency when running the engine between 3,000 and 4,000 RPM. Center Console Boats. Center

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console boats offer very little in the way of frills or seating.

## **How Much Gas Do Boats Use? 5 Boat Types Explained ...**

Understanding your Cummins Marine engine performance curve can help you improve performance without wasting precious fuel. Every engine has a unique set of performance curves, so it's

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important to make sure you have the correct curves, including the proper Horse Power, CPL designation and rating classification.

## **Cummins Marine Diesel Performance Curves - Seaboard Marine**

Approximate Fuel  
Consumption @Full  
Continuous Shaft HP  
Ltr/hr (Gal/hr) 58.3  
(15.4) 49.6 (13.1) 46.0  
(12.0) Downloadable



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3406C DITA. RPM:  
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**Caterpillar 3406  
Marine Engines For  
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With their particularly low fuel consumption, MAN engines not only ensure high economy, but also protect our environment . And your ears: this means that the quiet yet very powerful engine makes every trip a unique experience . Real recreation - both for the customer and the environment . 4

**MARINE - MAN  
Engines**

*Page 18/24*

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In the method 4 in Subsection 5.5.1, the low-speed two-cycle diesel engine for large-scale marine engines has been greatly improved in a fierce fuel consumption rate competition.

Consequently, the thermal efficiency is highest in a single engine as shown in Fig. 5.5.3. This high thermal efficiency that is almost the same as that of gas turbine ...

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## **Marine Engines - an overview | ScienceDirect Topics**

Along with the reductions in sulphur in diesel fuel, diesel engines themselves have gone through some significant changes during the last 10 to 15 years. With the advent of technology like “common rail” ultra-high-pressure fuel injection systems and

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the addition of electronic engine controls and injection systems, diesels are emitting fewer ...

## **Marine Diesel Fuel: What You Need to Know - boats.com**

The C32 Marine Engine made by Caterpillar is a marine propulsion style engine. It is made with ACERT technology to be durable and reliable throughout years of intense use.

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Its strong ACERT block is built for superior power that allows the operator to utilize an application at its peak point without compromising the engine's life span.

## **Caterpillar C32 Marine Engines Inventory, Details, Specs ...**

The Detroit Diesel Series 92 is a two-stroke cycle, V-block diesel engine,

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produced with versions ranging from six to 16 cylinders. Among these, the most popular were the 6V92 and 8V92, which were V6 and V8 configurations of the same engine respectively. The series was introduced in 1974 as a rebored version of its then-popular sister series, the Series 71.

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## Consumption

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