

Supreme 6P

Volvo Penta IPS 800 460kW@2400 RPM
gearbox ration $r=1.99$
engine rating: Pleasure

PRELIMINARY
Power Prediction
&
Performance calculations

For autonomy calculations 10% of fuel is reserved for generator consumption and 5% of margin (for i.e. bad weather conditions) is included.

A – middle displacement

(3500 l fuel + all other tanks 50% full)

| Volvo Penta IPS800 460kW@2400RPM r=1.99 2 engines in operation | | | | | | |
|---|----------------------|--------------------------|----------------------|--------------------------------|--------------------------|----------------------------------|
| % rpm | Yacht Speed* [kn] | One engine Power [kW] | Engine rev. [rpm] | One engine Fuel cons. [l/h] | Yacht Autonomy** [nm] | Yacht fuel consumption [l/nm] |
| 100,00% | 22,8 | 460 | 2400 | 126,5 | 539 | 11,1 |
| 95,83% | 21,5 | 409 | 2300 | 113,0 | 568 | 10,5 |
| 87,50% | 19,2 | 326 | 2100 | 87,4 | 658 | 9,1 |
| 79,17% | 17,5 | 254 | 1900 | 67,5 | 778 | 7,7 |
| 66,67% | 14,6 | 165 | 1600 | 44,6 | 980 | 6,1 |
| 54,17% | 12,9 | 98 | 1300 | 27,2 | 1424 | 4,2 |
| 45,83% | 12,0 | 65 | 1100 | 18,4 | 1946 | 3,1 |
| 37,50% | 9,4 | 39 | 900 | 11,6 | 2413 | 2,5 |
| 29,17% | 8,4 | 21 | 700 | 6,6 | 3791 | 1,6 |

**Every attempt has been made to give accurate information, but performance and range figures are estimates given as a guide only. Dirt or growth on the hull, tuning of the engines, size, make of engines fitted, damage to propellers, the temperature of the air and water, the weight of fuel, water, stores, number of people, propeller pitch, quality of fuel and other matters, can all affect a boat's performance and range. For these and other reasons we can give no performance, range or other guarantees, and neither such guarantees nor anything contained herein constitutes an offer of contract or any representation or agreement, or may otherwise be relied upon.*

*** Autonomy for full fuel load 7000l*