

Quest Notes

Quest Speed/Power Chart (*)

The speeds listed are approximate and considered accurate based upon the listed displacement. Changes in displacement (weight) will modify these figures. All speeds are listed in KNOTS PER HOUR. To convert to miles per hour, divide by .87. Horsepower is listed in SHAFT HORSEPOWER (SHP). If a gasoline motor is being used, it may be rated as BRAKE HORSEPOWER (BHP). If so, multiply the BHP by .75 in order to determine the approximate SHP. When powering with a diesel motor, use the CONSTANT rating rather than the INTERMITTENT rating for SHP. The listing shows total horsepower required. When using twin engines, add the SHP of both engines.

SPEED	HP
13 knots	42 SHP
15.5 knots	58 SHP
18 knots	75 SHP
20 knots	95 SHP
22.5 knots	120 SHP
27 knots	165 SHP
31.5 knots	225 SHP
35 knots	300 SHP

(*) Shaft horsepower ratings (SHP) assume proper propeller and gear reductions. Additional power may be required to maintain a given speed if compromises are made in propeller size or reduction gear.