

Olympic Z-Drive!

Olympic Z-Drives are heavy duty, 360 degree steerable, compact marine propulsion units designed for small to mid-sized work boats.

360 degree powerful thrust in 3 seconds complete revolution

Very Versatile Worldwide – Wherever small workboats, tugs, ferries, barges, boom boats, lighters, seine skiffs, tour boats, platforms and all commercial payload crafts require 360 degree maneuverability combined with proven performance in continuous, rugged conditions over long periods, Olympic Z-Drives are the solution.

Olympic Drive Tough – Olympic Z-Drives made the West Coast winder boats famous. The Olympic Z-Drives gave the superwinder the maneuverability required to quickly sort and assemble log booms. Over 700 drives are installed on West Coast workboats.

Olympic Z-Drives have full power follow-up – full mechanical follow-up steering system delivering propeller thrust throughout an endless 360 degree rotation, providing positive and powerful vessel control in all directions.

One Easy Package – Olympic Z-Drives combine marine gears and power steering all mounted in a one piece, water tight housing. It replaces conventional marine gears, propeller shafts, stuffing boxes, shaft struts, rudders, rudder stocks, hydraulic steering and above all the high cost of lining all this up. Olympic Z-Drives offer all this in one easily installed package.

Easily Installed – The Olympic Z-Drive is easily mounted using the nique mounting ring and neoprene seal supplied with the drive. This mounting ring is welded to a steel hull or fabricated into other hull types so the Olympic Z-Drive can be simply bolted into place. Maximum Olympic Z-Drive protection is provided by two shear pins, mounted on the input couplings where they are easily reached and replaced should the propeller hit bottom or some other obstruction to protect against gear rain damage. A rope cutter flange is also fitted to the lower housing to protect the heavy duty propeller shaft.

Olympic Z-Drives are available in sizes up to 200 hp.



MODEL HD3 OLYMPIC STEERABLE DRIVE

Power Rating

Power input	150 kW (200 HP) Continuous rating
Propeller size	686 mm (27") Maximum (four blade) To fit 44.45 mm (1-3/4") taper propeller shaft (Maximum torque of 610 N.m. (450 ft. lbs.) Not to be exceeded under 2200 rpm.)
Input Rpm	Maximum 2600 Rpm
Recommended	Continuous 2200 Rpm

Drive Train

Lubrication	Full circle oil bath, lower unit functions as a Heat Exchanger
Reduction Ratio	2:1
Gears	E-9310 spiral bevel
Housing	High strength ductile iron
Shafts	E-4340 steel, except SS propeller shaft
Propeller shaft	17-4 P.H. stainless steel.

Steering

Type	Power hydraulic steering built into drive, continuous rotation in either direction, controlled by top stub shaft; full 360-degree rotation obtained in 3 seconds; direct drive gear to steering valve for follow up control; Extra large steering gear to extend service life in tough work boat service.
Steering Ratio	1:1 - one 360 degree turn of the helm wheel equals one 360 degree rotation of the propeller thrust, in any direction
Steering Pump	Hydraulic steering pump supplied for engine mounting (to be installed by the shipyard).

MODEL SD1 OLYMPIC STEERABLE DRIVE

Power Rating

Power input	105 kW (140 HP) Continuous rating
Propeller size	686 mm (27") Maximum (four blade) To fit 44.45 mm (1-3/4") taper propeller shaft (Maximum torque of 488 N.m. (360 ft. lbs.) Not to be exceeded under 2200 rpm.)
Input Rpm	Maximum 2600 Rpm
Recommended	Continuous 2200 Rpm

Drive Train

Lubrication	Full circle oil bath, lower unit functions as a Heat Exchanger
Reduction Ratio	2:1
Gears	E-9310 spiral bevel
Housing	High strength ductile iron
Shafts	E-4340 steel, except SS propeller shaft
Propeller shaft	17-4 P.H. stainless steel.

Steering

Type	Power hydraulic steering built into drive, continuous rotation in either direction, controlled by top stub shaft; full 360-degree rotation obtained in 3 seconds; direct drive gear to steering valve for follow up control; Extra large steering gear to extend service life in tough work boat service.
Steering Ratio	1:1 - one 360 degree turn of the helm wheel equals one 360 degree rotation of the propeller thrust, in any direction
Steering Pump	Hydraulic steering pump supplied for engine mounting (to be installed by the shipyard).

CHOOSE VERHAAR OMEGA



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