



Propellers Type 4H

Propellers for Medium Duty Use

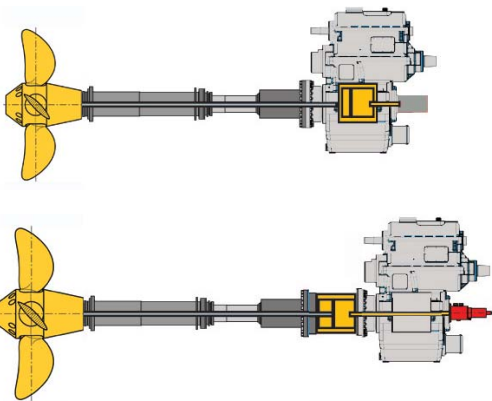
The Helseth 4H propeller series has been developed for all types of vessels requiring optimum efficiency. The 4H series is designed for pitch control by means of a pitching rod connected to gears with built-in pitch piston, or shaft mounted piston units.

The propeller hub is streamlined, and the blades are flush mounted to ensure best possible water flow around the propeller.

The propeller blades are tailor made to each vessel to ensure high efficiency despite low noise and vibration levels.

Propellers of the H series are suitable for medium duty vessels such as work boats, fishing vessels, passenger vessels and monohull/catamaran high speed vessels.





The 4H series is designed for connection to reduction gears with built-in servo, or for systems with a Servo Piston Unit integrated in the shaft line.



The specially designed Oil Distribution Unit and the high precision proportional valve system ensure fast and precise response.



The Hydraulic Power Unit may be built as a compact tank-mounted all-in-one unit, or with individually installed components according to customer requirements.

NB: The Oil Distribution Unit and the HPU are not required if the reduction gear has built-in servo

Type 4H

Standard features:

- * Simple and very reliable rod pitch control
- * Grease lubricated hub ensures low leakage risk
- * All parts requiring frequent maintenance are easily reachable
- * Stream line shaped hub with flush mounted propeller blades
- * Highly reliable grease-, oil- or water lubricated stern tube
- * Blade designs optimized for low noise, high bollard pull, or high speed vessels up to 35 knots
- * Optional shaft mounted Servo Piston Unit available

Technical Data

| <u>Type</u> | <u>Propeller shaft diameter, mm</u> | <u>Suitable propeller diameter, mm</u> | |
|-------------|-------------------------------------|--|--------------------------|
| | | <u>Nozzle installation</u> | <u>Open installation</u> |
| 4H 70 | 70 | 700-900 | 700-1000 |
| 4H 75 | 75 | 700-900 | 700-1000 |
| 4H 80 | 80 | 800-1000 | 800-1150 |
| 4H 90 | 90 | 850-1150 | 850-1300 |
| 4H 100 | 100 | 950-1300 | 950-1450 |
| 4H 110 | 110 | 1100-1450 | 1100-1600 |
| 4H 120 | 120 | 1200-1550 | 1200-1750 |



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