

NAKASHIMA PROPELLER CO., LTD.

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AHTS	PSV	FPSO	Drill Ship	Semi-sub
▶	▶			

Product

Nakashima Propeller is the leading company of marine propulsion specialists in the world. Since founded in 1926, we have continuously been advancing to be the world's only comprehensive designers / manufacturers of marine propulsion equipment applicable to a wide range from small-sized pleasure boats and fishing boats up to large-sized merchant vessels including ULCC, mega container vessels, and LNG carriers, by utilizing enriched experiences.

Fixed pitch propellers

NHV effect

Because of Nakashima's unique technology, hub vortex causing energy loss and rudder erosion can be reduced by using specially shaped propeller blades, without the use of any special accessories.

Reduced hub vortex improves efficiency and prevents rudder erosion.

Tip Rake effect

The unique shape of the blade tip developed by Nakashima is expected to reduce cavitation and pressure fluctuation.

High skew effect

Propellers with a sharp sweepback are called "high skew" propellers. Their unique shape reduces the hull vibration body as well as propeller noise.



Controllable pitch propellers

Model XS CPP

This model is mainly used in mid to small-size vessels under around 4,500kw.

A hydraulic cylinder for controlling the blade angle is installed in the cylinder shaft inside the vessel. The force generated by the hydraulic cylinder is transmitted to the propeller hub via the push / pull rod to adjust the blade angle. This simple structure enables maintenance costs to be lowered. The inside of the hub is lubricated with grease so no oil leaks from it, eliminating concerns over environmental pollution.

Model XL CPP

This model is mainly used in large size-vessels 4,500kw or more.

A hydraulic cylinder for controlling the blade angle is installed in the propeller hub outside the vessel.

As the blade angle can be adjusted using the hydraulic cylinder installed inside the propeller hub that moves the propeller blades, the blade angle can be accurately controlled.

Since the pitch change pressure is directly transmitted, large volume output can also be supported. Moreover, since the proportional control valve functions to control the blade angle, fine and smooth adjustment of the blade angle is possible, eliminating inching movement, even when a slow blade angle movement is specified by a time program or other means.

