

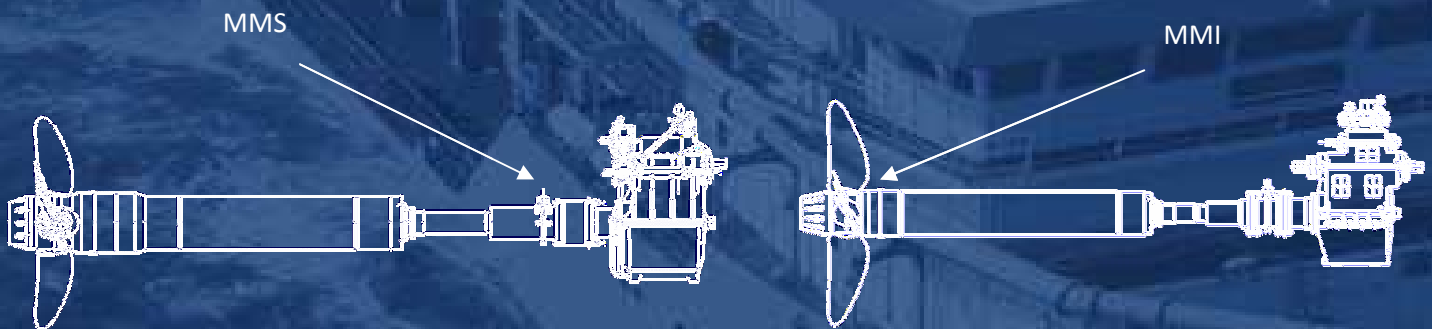


Controllable Pitch Propellers

Controllable Pitch Propellers (CPP) Heavy duty ratings and dimensional data				
Models *	Dimensions (mm)			
	kW/rpm (hp/rpm)	Hub \varnothing	Max Shaft \varnothing	Max Prop \varnothing
MMS 300	0,6 (0,8)	300	100	1350
MMS 370	0,9 (1,2)	370	132	1650
MMS 430	1,3 (1,7)	432	132	1850
MMS 480	2,5 (3,4)	480	160	2160
MMI 480				
MMS 520	4,5 (6,0)	520	190	2340
MMS 660	7,5 (10,1)	660	230	2880
MMI 660				
MMS 720	11,0 (14,8)	720	255	3240
MMS 780	15,0 (20,1)	780	285	3600
MMI 780				
MMI 860	22,0 (29,5)	860	325	3930
MMI 960	29,5 (39,6)	960	370	4385
MMI 1070	42,0 (56,3)	1070	390	4890

Model types:

- MMS : pitch actuator built on the gearbox output flange
- MMI : pitch actuator built in the propeller hub





Major Advantages of a Controllable Pitch Propeller

- Higher propulsion efficiency than with a fixed pitch propeller, optimizing speed and bollard pull performances.
- Better maneuverability: passing from "ahead" to "reverse" occurs smoothly and without dead time, simply through propeller pitch inversion. The very short response time while maintaining full power ensures higher safety for the ship and crew, and considerably reduces the stopping distance of the vessel.
- More efficient use of the diesel engine: 100 % engine power remain available at the propeller in every situation (cruising, trawling, maneuvering, etc.) What is more, a CPP allows constant operation of the engine at its nominal speed, thereby reducing significantly the fuel consumption, maintenance cost, and clutch disc wear.
- Advantage of power take-off drives fitted to the transmission. With the engine at constant speed, the clutch-type PTO can drive pumps (for instance) for on-board machinery. So-called "live" permanent-drive PTOs may move alternators. In this way, the power requirement, the cost, fuel consumption and space requirement of auxiliary engines can be cut down.

Our specificities :

- OD box built on gearbox or on shaft.
- Actuator can be integrated to the hub or separated, i.e. built on shaft.
- Possibility of feathering mode.

All our propellers are compatible with our Non Reversing Gearboxes range. At this day, we supplied more than 1000 propellers, most of them being still in operation.



Sailing boat

MMS 480 Ø1800



Passenger boat

MMS 480 Ø1350



Towing Tug

MMS 640 Ø2400



Chemical tanker

MMS 720 Ø3420

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