



## DESCRIPTION

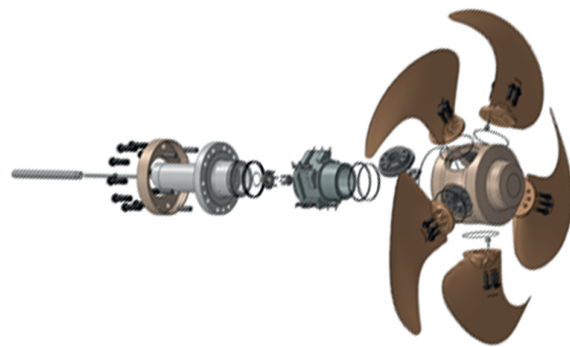
CPP propulsion system is one of the most modern and high-tech systems. The main technology utilized in this system is manufacturing shaft with a length of up to 10 meters, casting and machining a nickel bronze propeller and a mechanism for changing the propeller pitch. All these activities are done by experts and managers of Marine Industrial Organization that have emerged in a collaborative network of universities, knowledge-based organizations and Iranian companies prior to purchasing them from foreign countries. The blade of CPP system is controlled by a hydraulic power pack system through the OD-Box which is located in front of the gearbox. The oil pressure through the oil pipes which are embedded in the shafts, move the piston in the hub



## SPECIFICATIONS

### TYPE

Power Transmission Capacity	6400 hp
Shaft Speed	320 rpm
Hub Diameter	640 mm
Propeller Diameter	2100 mm
Type of Change Mechanism	2850 mm
Dry Weight of Hub Propeller	1200 Kg

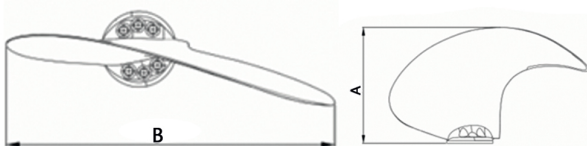


## Controllable Pitch Propeller

## DESCRIPTION

MIO designs and produces controllable pitch propeller from best materials which are resistant to corrosion and have high strength, and they contain a hub with blades which are installed separately and therefore it is possible that they rotate and change their pitches. Adjustment of propeller's position lead to pitch change and this will create different thrust without changing the propeller rotation speed. This feature brings about below advantage for the vessel:

- High maneuverability (especially in low speed)
- Wide range of produced thrust and operating conditions
- Using one speed and one directional gearbox
- Reduction of fuel consumption



## SPECIFICATIONS

Parameter	Dim (mm)
A	982
B	1696
C	484.6
D	390