AZIMUTH THRUSTERS

Marine Azimuth Thruster

ISO9001 Supplier

Class Certificate

Export Supply

Azimuth thruster turn by mechanical, hydraulic and electro-hydraulic remote steering device to achieve. It can be used as the ship's main and auxiliary propulsion and dynamic positioning, commonly used in tugs, pusher...



Key Highlights

Category	Azimuth Thrusters
Standard	DIN
Material	Cu
Certificate	ABS,BV,DNV,LR,GL,CCS etc.

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Azimuth Thrusters	**Model / SKU**	Marine-Azimuth-Thruster
Standard	DIN	**Material**	Cu
Certificate	ABS,BV,DNV,LR,GL,CCS etc.	**Warranty**	12 Months unless specified otherwise
Origin	China		

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China Marine Azimuth Thruster:

Azimuth thruster turn by mechanical, hydraulic and electro-hydraulic remote steering device to achieve. It can be used as the ship's main and auxiliary propulsion and dynamic positioning, commonly used in tugs, pusher craft, ferries and barges.

The design and manufacture of our azimuth thruster is totally in accordance with the requirements of IMO, SOLAS, and Classification Societies.

Advantages:

1.Good manoeuvrability.
2.High efficiency.
3.Space-saving installation, simple operation, maintainance,low noise.

Application: tug boat, harbor workboat, service ship, ferry and engineering ship.Z-drives in open wheel configuration or with nozzles.

Key feature:

Combined design propeller and nozzle together, enlarge diameter of propeller and low down its rotate speed, which keep high propulsion efficiency and enhance thrust force.
Carefully design the rudder-rod profile and its displace from propeller, which improve propulsion efficiency and reduce vibration, especially reduce steering torque.
Adopt high-strength gear and bearing of high speed, seals and pipeline also being carefully design, which improve the system's reliability and longevity.
The steering mechanism can be drived by electrical motor or hydraulic motor.
According to the difference of operation condition, it can be divided into three kind: FPP with nozzle, CPP with nozzle, without nozzle.

Specification:

Model	Input power	Input speed	Propeller diameter	Propeller type	Max force
	(kW)	(rpm)	(mm)		(T)
RP	20-150	1500-2500	500/600/700	FPP	3.4
RP	150-250	1500-2350	700/800/900	FPP	2.9
RP	230-480	1200-2350	900/1000/1100	FPP	7.4
RP	420-690	830-1800	1200/1300/1400	FPP/CPP	11.1
RP	650-980	830-1800	1500/1600/1700	FPP/CPP	16.1
RP	950-1500	830-1500	1900/2000/2100	FPP/CPP	24.3
RP	1320-1750	750-1500	2200/2300/2400	FPP/CPP	29.3
RP	1650-2250	550-1200	2400/2500/2600	FPP/CPP	36.9
RP	2200-2600	550-1200	2600/2700/2800	FPP/CPP	42.6
RP	2350-3400	550-1200	2900/3200/3500	FPP/CPP	58.1
RP	3350-4500	750-1000	3800/4000/4200	FPP/CPP	79.5