MAGNETIC COUPLING AND SPEED REGULATING DEVICE

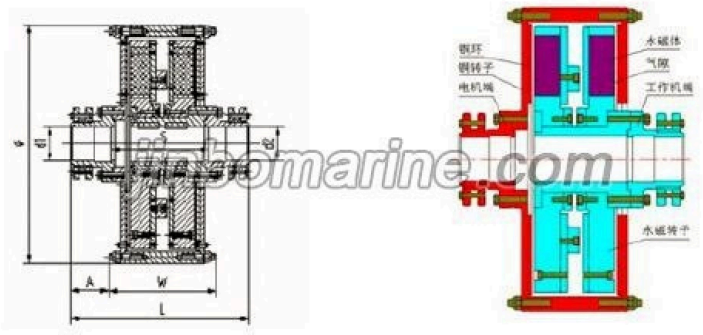
COY Delayed Permanent Magnet Eddy Current Transmission

ISO9001 Supplier

Class Certificate

Export Supply

At the initial position, the air-gap is 3mm between copper rotor and permanent magnet rotor. When the Motor rotates, the copper ring of copper rotor cut the magnetic field lines of permanent magnet, generate Inductive ...



Key Highlights

Category	Magnetic Coupling and Speed Regulating Device
Standard	DIN
Weight / Size	Simple structure, small size, easy to install, adapt to work in harsh co...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

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

Technical Specifications

Category	Magnetic Coupling and Speed Regulating Device	**Model / SKU**	COY-Delayed-Permanent-Magnet-Eddy-Current-Transmission
Standard	DIN	**Weight / Size**	Simple structure, small size, easy to install, adapt to work in harsh conditions.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

China COY Delayed Permanent Magnet Eddy Current Transmission:

At the initial position, the air-gap is 3mm between copper rotor and permanent magnet rotor. When the Motor rotates, the copper ring of copper rotor cut the magnetic field lines of permanent magnet, generate Inductive eddy current and creates a magnetic field in copper rotor. Between the two fields, there is force Which is not only transfer torque between the motor and work machine, but also transfer the axial force Between sub-rotors. Compared with the speed slip between copper rotor and permanent magnet rotor, The air-gap is from 3mm to 5mm for achieving better soft-start.

The work machine torque cyclical changing, the air-gap can vary between 3mm to 5mm. So that, the Transmitted torque achieve periodic changement.
When the work machine suddenly overloaded or stuck in the case, the speed of permanent magnet Rotor decreased rapidly, or reduce to zero immediately. But, the speed of the motor and the copper rotor Almost the same, due to the axial force between sub-rotors enlarge the air-gap (maximum 5mm).
Thereby reducing transmitted torque between the work machine and the motor, the motor run at Relatively lower torque for protecting itself. Even shutting down the the motor, the motor cannot be Damaged at all.

Few day-maintenance, low operation cost, almost maintenance-free products
Accept misalignment, centration error 5mm (max), angular error 2 (max) 。
With overload protection, increase overall system reliability, eliminate the amazement of system for Overload
Improve the motor starting capability and come true the motor soft start / stop. And, reduce shock and Vibration, coordinate between multi-machine-driven load distributions.
Simple structure, small size, easy to install, adapt to work in harsh conditions.
Extend the life of the transmission system components.
Simple structure, small size, easy to install

