APPLICATION SYSTEMS

KBS ISO 9001:2008 CERTIFIED QM-032 NABCB CE

Dynamag Eddy Current Drives

Tachogenerator

DYNAMAG Eddy Current Drives are manufcatured in various combonitions:

- Integral Design – Fitted with AC Induction Motor
- Modular Design – Independent Input & output shafts.
- Drive-Brake Combinations –For control acceleration & deceleration
- Air-Cooled Drives – Self Cooled & Fan Cooled
- Water-Cooled Drives – 100 HP onwards
- Totally Enclosed - for Boiler applications
- Eddy Current Brakes
- Electronics To Match – for various industrial automation applications.

Stationary Field No slip-rings or carbon brushes to wear. Driving & driven parts are mechanically free, don't touch each other. The coil is glass taped and epoxy moulded to prevent ingress of moisture or dust. All coils are made of high-grade polyester coated copper conductors.

Low Residual Torque

Low Slip Loss

Rugged & Sturdy

Near Zero maintenance

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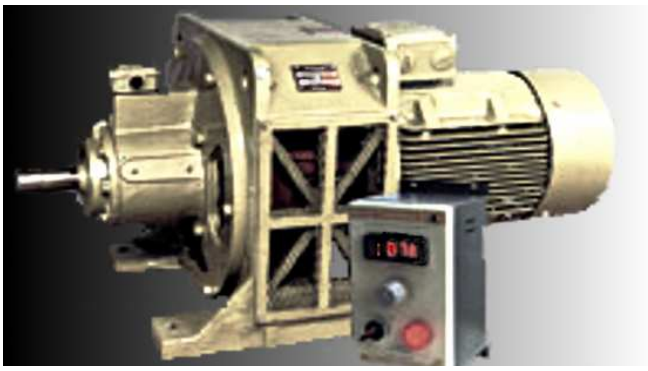

Integral Design 15 KW to 90 KW

Integral Design 0.25 KW to 15 KW

Modular Design

Electronic Speed Controller

All Eddy Current Drives & Couplings have an integral 48 Pole AC tacho-generator mounted around the output shaft, to give voltage 20 V AC / 1000 RPM, frequency of 400 Hz / 1000 RPM & 24 pulse/revolution, proportional to speed, which is used for speed indication & speed feed back signal to the controller and maintains the output speed regulation within 1% for the load changes from 90% to 10%.

Eddy Current Variable Speed Drives are available in Self Cooled, Fin-cooled & Water-cooled versions & offered as option with Built in electromagnetic brake – for sudden stopping & Built in Eddy Current Brake – for controlled Lowering & Raising applications such a sluice gate drives.

EC Drives & Coupling are manufactured in vide rating rage 0.1 HP to 100 HP in Self cooled version, 100 HP onwards in Water cooled versions.

Eddy Current Drive Controls

Speed Control:

is by a closed-loop speed feedback from an AC Tachogenerator of 48 poles, integrally mounted to the drive. Speed is maintained to the set value, despite load changes.

Torque Control:

is easy and straight forward. The intrinsic nature of an eddy current drive lends itself admirably to applications as constant torque or constant tension winding or unwinding.

Contact us:

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