

CYCLOIDAL DRIVE

CYCLO manufacturing and supplying Cycloidal Gear boxes for last 20 years, and are used successfully in a wide range of industries all over the India and exported to developed countries. The Cycloidal Gear boxes are designed and manufactured with own technology and practical experience of highly qualified manpower.

The high-quality components manufactured with the help of sophisticated machinery are indispensable both for trouble free operation the multiple meshing allows power transmission several paths and ultimately com-pact design.

The **CYCLO** make it possible to achieve finely graduated transmission ratios. Our design experience combined with extensive computer facility enable us to offer optimum solutions to any required drive problem.

Our manufacturing unit is situated at Satara, 250 Kms. south-east of Mumbai and is equipped with hi-tech, state-of-the-art machines and qualified well-trained manpower. We have our own foundry to supply special grade quality castings.

Design, Research and Development is our strength. All the products are developed and manufactured with own technology. Continuous research is on, to incorporate innovative design features, to offer a best possible solution to customer's power transmission requirements.

The series is available for a variety of Torque range and speeds. Cycloidal Drives are always coaxial, com-pact and sturdy.

High shock capacity is seen because of many simultaneous contact points of the cycloidal disc. The shock loads are distributed to 2/3rds of the total no of teeth. It can withstand high momentary shock loads.

Reduction ratios from 9: 1 to 71: 1 are available for the single stage and 81:1 to 2065: 1 are available for the double stage. Ratios from 2145: 1 to 43645: 1 are available for three stages.

Competitive initial cost, high reliability, long life and minimal maintenance give Cycloidal speed reducer superior overall economy when compared to conventional gearboxes.

Since the inertia is very low the cycloidal gearbox is most suitable for frequent start-stop and reversing duties and the combination with a frequency inverter. When compared to the sliding tooth contact of conventional gearing and the rolling contact of the cycloidal system provides the reduced noise level.

General Information

Robust Construction

CYCLO housings are made of grey cast iron. All the power transmitting components are made from alloy steel, which is hardened, tempered and ground. Standard units are provided with shaft oil seals of Nitrile-Butadiene-Rubber (NBR, DIN 3760).

Drive Ratings

Standard CYCLO speed reducers are designed and built for long, maintenance-free, 8-hour daily service under conditions of uniform load. When your application involves more severe conditions, catalogue ratings, must be divided by the proper service factor, or the actual load must be multiplied by this factor.

Exceptional Overloads

Correctly selected CYCLO speed reducers will handle momentary peak intermittent shock overloads. Even for severe duty applications the units are still guaranteed for 2 years from date of despatch, subject to our standard terms and conditions of sale.

These drives are highly efficient compact speed reducers working on Cycloidal principle to achieve high reduction ratio in compact size and co-axial, based on different sizes, each module has nominal rated torque value and various reduction ratios.

Torque Capacity 10 Nm to 60000Nm

Reduction Ratio 9.1 onwards

Power Rating 0.18 kw to 75 kW

Mounting Type Foot/Flange/C-Flange /

Agitator