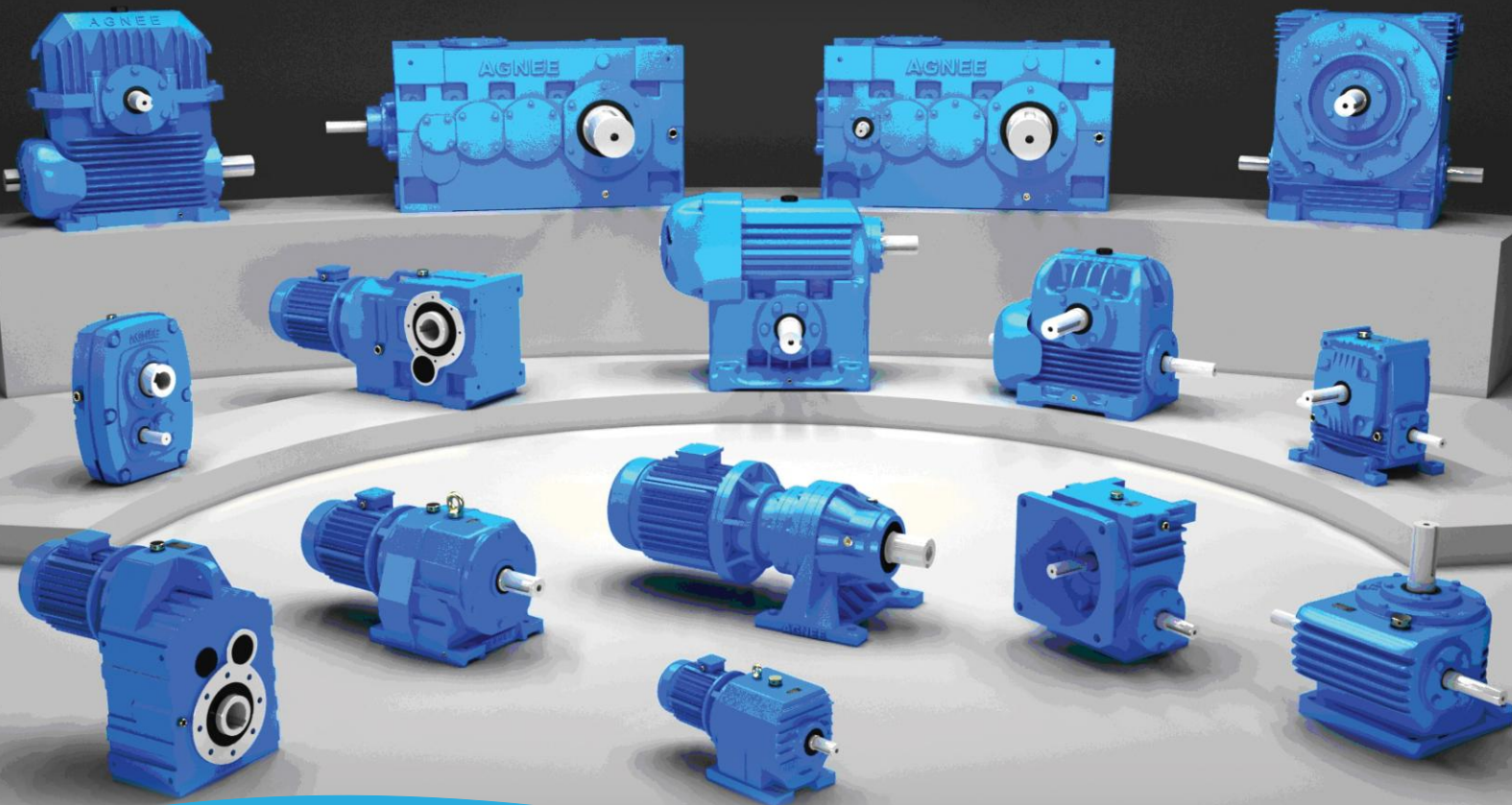




AGNEE

Transmissions



AGNEE TRANSMISSIONS INDIA PRIVATE LIMITED

AN ISO 9001: 2015 Certified Enterprise

**MANUFACTURER AND EXPORTERS OF
WIDE RANGE OF GEAR BOXES & GEARED MOTORS**



INTERNATIONAL STANDARDS - INDIAN MANUFACTURING WIDE RANGE OF STANDARD GEAR UNITS

COMPANY INTRODUCTION



AGNEE specializes in manufacturing of mechanical power transmission products. Established in 2005, AGNEE has developed a R&D and manufacturing personnel and achieves elite and world-class quality using the advanced processing and testing equipments from the finest international suppliers. We have in house facilities for complete manufacturing to provide reliable and efficient products and services. Currently, we are exporting to UK, Ireland, USA, Australia, Sri Lanka, Malaysia, UAE, Zambia, Bangladesh, Nigeria.

Honest, fair and reliable are three words we keep in mind while dealing with any person or company. With sales and after sales offices set up in every major city of India and steady-growing service spots, AGNEE provides the customers with the most prompt consultation and service.

Backed with extensive infrastructure and in-house design capabilities to cater to diverse markets like Power, Mining, Sugar, Textiles, Cement, Chemical, Fertilizer, Rubber, Paper and Steel, processing and working, Coal handling Plants, Construction, Infrastructure, Nuclear, Thermal, Hydro Multi purpose projects, Food processing and Stone Processing and Stone crusher, and host of other applications with unmatched credibility.

Widely used and proved to be a great success.

Helical & Bevel Helical Gear Boxes

Product Specification

Unit Sizes :

80, 90, 100, 112, 125, 140, 160,
180, 200, 225, 250, 280, 315, 355,
400, 450, 500, 560, 630

Transmission Ratio : 1.2 - 637

Input Power :

0.61 KW to 5,000 kW

Torque : Up to 117,000 Nm

Gear Ratios : Up to 130:1

AGNEE H series helical parallel shaft Helical and right and bevel helical gearbox can be used in applications in the medium and heavy-duty industrial applications of the power transmission market.

They can have right angle gear boxes in either in same horizontal plane or horizontal input shaft to vertical upward or downward output shaft or vice versa.

Apart from standard range, Helical Gear Boxes are also tailor made to suit individual requirement or as per specifications provided. Please feel free to discuss your requirement and we shall be pleased to make suitable suggestions.

Feature Benefit

AGNEE Series H Bevel Helical Gearbox takes advantage of our many years of accumulated design expertise together with the use of high quality materials and components, and has the following features & benefits:-

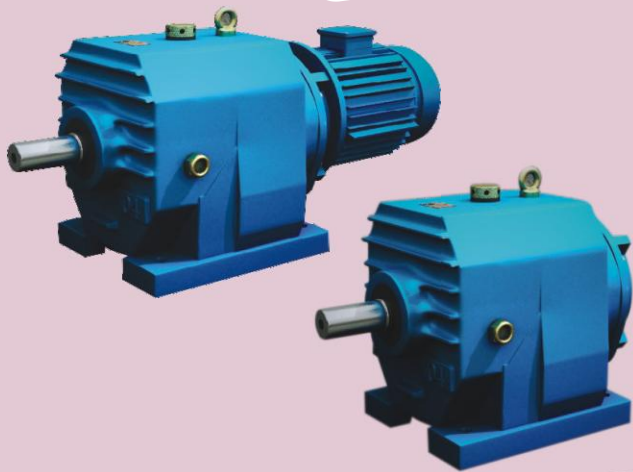
Feature

- Bevel Gear sets duly lapped
- Tooth Profile ground to close tolerances helical gear sets
- High level of surface finish for quiet running.
- In House heat treatment
- High level of in house working to keep better quality control
- Units can be offered in horizontal or vertical mounting positions
- All units are available with solid output shaft or hollow bore for output shaft mounting
- Output bores can be connected by shrink disc.





Helical Gear Boxes and Geared Motors

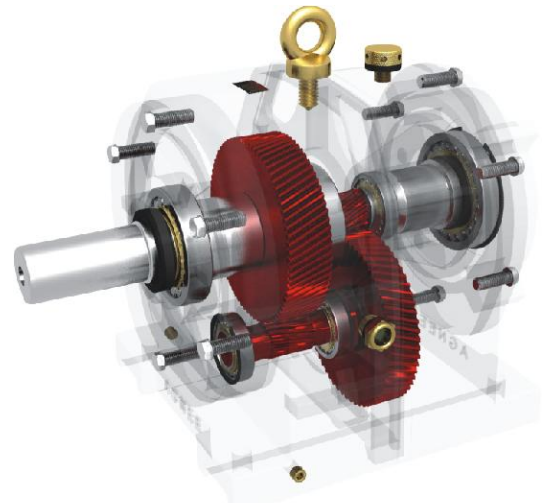
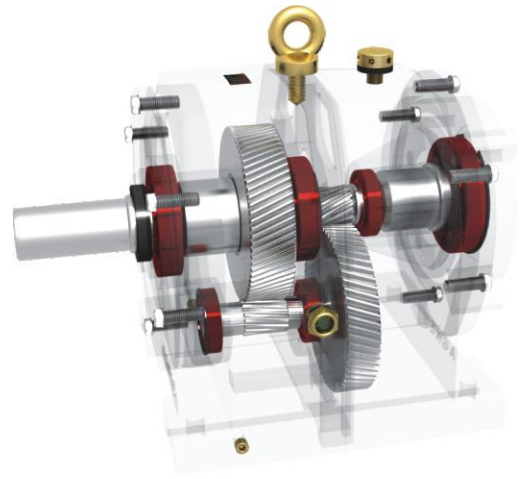


AGNEE TECHBOX 'AM-Series' Inline Helical Geared motor are available in Double / Triple reduction models having motorised /solid inputs are intended to satisfy all the requirements of a reliable drive for slow-speed high-torque application.

AGNEE Inline helical geared motor are fully metric and suitable for most applications in both horizontal and vertical drive and is available in foot mounted and flange mounted versions.

Based on a modular design and construction, the high degree of interchangeability of parts and sub assemblies among all variants effect considerably economies of production, whilst maintaining the highest standard of component and unit elements. A wide choice of ratio is available.

AM series helical geared motor can be applied for continuous duty under difficult operating conditions.



High quality alloy case hardening material provide long life, wear resistance and fatigue strength.

Gears are case carburized and profile ground to a hardness of 58-62 HRC for higher durability.

Profile ground helical gears ensure high standards of accuracy, surface finish and quiet running characteristics.

Gear Case and flanges are of high strength gray cast iron. The high power to weight ratio of all units combined with low volume to enable installation in the most difficult situations

Standard range of AGNEE helical geared motors, offer unparalleled performance covering output speed graduated from 9 to 1230 rpm with motor power ratings ranging from 0.18 kW to 90 kW.



Bevel Helical Gear Boxes and Geared Motors



Adding to the new range of AGNEE geared motors AGNEE TECHBOX 'AK Series' takes advantage of our many years of accumulated design expertise together with the use of high quality materials and components. The end result is a series of speed reducing geared motors offering high load carrying capacities, increased efficiency, quiet running and reliability.

AGNEE TECHBOX 'AK Series' right angle drive helical bevel helical geared motors offer ratios from 8:1 to 160:1 in three stages or up to 10000:1 in five stages. Geared Motors are available up to 90kW and output torque capacity up to 12,300 Nm.

The Series AK geared motor is designed with integral cast feet for base or end mounting and can be offered with single or double extended output shafts.

Units are also available as shaft mounted or with output flanges and are available for mounting horizontally or vertically. The units can also be offered with a bolt on torque reaction bracket and all variants are available either motorised or with an input shaft assembly.

The Range Includes 9 sizes of unit AK03, AK04, AK05, AK06, AK07, AK08, AK09, AK10 and Ak12

Parallel shaft Helical Gear Boxes and Geared Motors



AF-series shaft-mounted gear reducers, available in cast iron casing only. Available in 6 sizes from 04 to 10, offer a large range of reduction ratios and are fully efficient in any working conditions.

AGNEE TECHBOX 'AF Series' parallel shaft helical geared motors are extra-slim parallel shaft helical geared motors and are the perfect solution when space is limited.

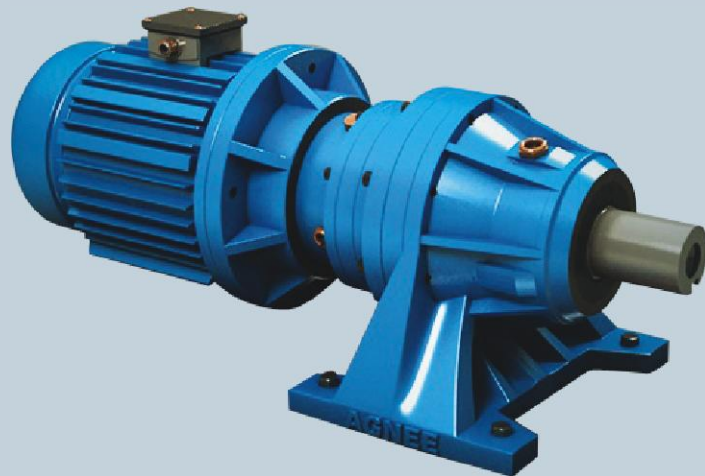
AGNEE AF parallel shaft helical geared motors are typically used in conveyor and materials processing applications

Series AF parallel shaft helical geared motors offer ratios from 5:1 to 100:1 in double reduction form and in combined units form upto 20,000:1. Geared Motors are available upto 45 kw giving a maximum output torque of 7200Nm.

The series AF geared motors are primarily designed as a shaft mounted unit incorporating an integral torque reaction bracket.



Planetary & Bevel Planetary Gear Boxes and Geared Motor



AGNEE TECHBOX AB Series Planetary Gearbox can be used in various Industrial applications operated by Electric motor and Hydraulic motor.

Salient Features Planetary Gearbox :

High Reduction Ratios, Power Saving, High Efficiency Long Life, Space-Saving Compactness, Higher Overload Capacity, Reliable and Trouble-Free Service, Compact and Co-Axial Sturdy, No-Self Locking Property.



Worm Gear Boxes and Geared Motors



The **AGNEE Right Angle Worm Gearbox** have Cast Iron Gear Case of streamlined design completely air tight, dust proof and capable of being installed in open without any cover. The Worm Shaft is made of Alloy Steel, duly hardened and tempered. The Worm Wheel is made of Chill Cast Phosphorous Bronze and teeth accurately Generated on Gear Hobbing Machines. They are supported on Extra Heavy Duty Taper Roller anti friction Bearings of ample margin of safety to allow adequate journals as well as thrust loads. Lubrication is effected by splash of oil from the sump. Thus, no special care is required except for occasional oil topping to the required level. Air cooling is effected by means of standard polypropylene or metal fans.

Product Specification

Geared motors available: NU 2" to NU 10.5" Ratio available 5:1, 7.5:1, 10:1, 20:1, 30:1, 40:1, 50:1, 60:1, 70:1, 80:1, 100:1 Geared Motor power available from 0.25HP to 150HP





Worm Gear Boxes: TECHBOX W Series



AGNEE TECHBOX W series worm gear box Product specification Our Worm Gearboxes are available in vast range of Models suit every individual's requirement. Some Worm Gearbox Models like C.D. 50, 60, 75, 85, 100 mm, Ratio 30:1 or 40:1 are usually available Ex-stock or on short notice.

Worm Reduction Gearbox Center Distances available from 30 mm (1.25") to 430 mm (17")

They are manufactured in Single or Double Stage Reduction Ratios for Single Reduction Worm Gearbox 5:1, 10:1, 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 60:1, 70:1 and for double reduction worm gearbox gear ratio is upto 4900:1

Worm Gearbox Unit Sizes: 30, 40, 50, 60, 75, 85, 100, 125, 150, 175, 200, 250, 300, 350, 430

Also made as per customer's specifications, Drawing, requirements

Overhauling of Old Gear Boxes also undertaken, Early delivery schedules

Adaptable Worm Gear Boxes, range from CD 30mm to 85mm

Features:

Extra Heavy Duty strength and ruggedness impart AGNEE Worm Gearbox the ability to perform in most testing environment like Steel, Mining, Fertilizer, Chemical, Stones and Mineral and other industries. They have proved their Mettle under most adverse conditions.

Shaft Mounted Speed Reducers : TECHBOX SMSR Series



AGNEE TECHBOX SMSR, Shaft Mounted Speed Reducer is one of the most versatile drives offering the largest ratio range and capable of powers up to 280kW.

Features

Model in 7 sizes B,C,D,E,F,G,H with nominal gear ratios of 5:1, 13:1 and 20:1

Mounts direct onto the driven shaft: No alignment problems.

Flexible motor mounted in a convenient position.

No expensive adjustable base plate is required for the motor, as V-Belt tensioning is done by the use of a torque arm which can be simply shortened or extended to swing the shaft mounted speed reducer about its output hub to tension the 'V'-Belts.

Quick and easy speed changing via belt drive. Final output speed can be very

accurately obtained by adjusting the 'V' -Belt' drive ratio.

High efficiency by using case hardened and profile ground helical gears

Single - 98% efficiency.

Double - 96% efficiency.

Anti-run back device can easily be fitted on site.

AGNEE TECHBOX SMSR uses Taper Roller Bearings.

Double lip type oil seals used throughout in shaft mounted gearbox.

Shaft Mount Gear boxes can be mounted in any position.

Proven history of success in all industrial applications; particularly, conveyors & elevators in the construction industry.

Long established and proven drive system.

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