

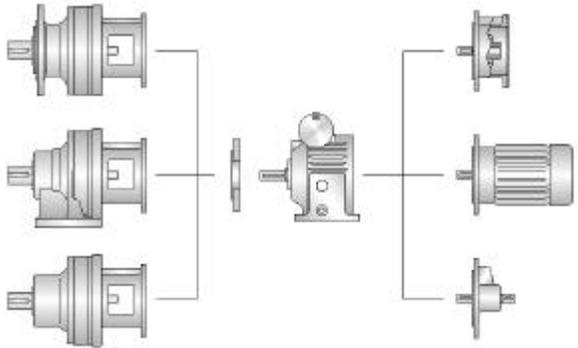
DARALI® Disco Variators Design Features

◆ The extensive experience of DARALI GROUP in the design and production of the premium performance Cycloidal Speed Reducers has been extended to the manufacturing of excellent quality DARALI® DISCO VARIATOR. Utilizing materials of the highest quality, DARALI GROUP carefully manufactures and assembles the DARALI® DISCO VARIATORS with strict quality control and an efficient manufacturing procedures. The DARALI® DISCO VARIATOR is one of the most competitive traction drive units servicing the power transmission industry today.

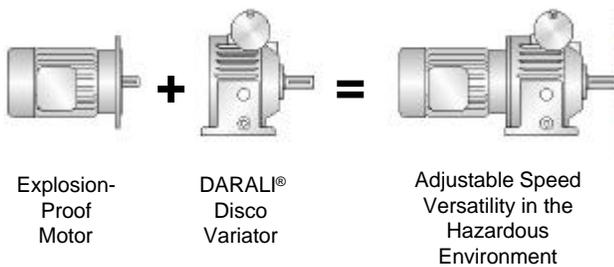
◆ The torque transmitting components of DARALI® DISCO VARIATORS utilize superior quality bearing grade steel produced by world class steel companies in **GERMANY** and **SWEDEN**. (ASSAB CO. HSP-17 and HSP-41 patented material.)

The DARALI® DISCO VARIATOR is a top of the line speed variator that is clearly superior to other mechanical adjustable drives. By maintaining a constant oil film as the tractive force, the DARALI® DISCO VARIATOR provides you long service life with minimal maintenance. The speed adjustment setting remains stable over a long period of time with speed stability within 0.1%. The DARALI® DISCO VARIATOR offers excellent performance at low output speed that is unparalleled by DC or inverter drives.

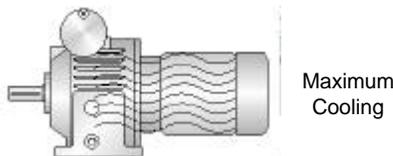
◆ Modular design offers diversified configurations and excellent interfacing capability. With the use of various input attachments, a generic main body can have three different input options including free input shaft, NEMA c-face adapter, and integral gearmotor. With the attachment of NEMA c-face flange on the output side, **the DARALI® DISCO VARIATOR can be connected to a cycloidal reducer or any other gear drive with further speed reduction.**



◆ The DARALI® DISCO VARIATOR is a mechanical speed variator that is inherently explosion-proof. Just add an explosion-proof motor, and you can have the adjustable speed versatility in a hazardous environment.

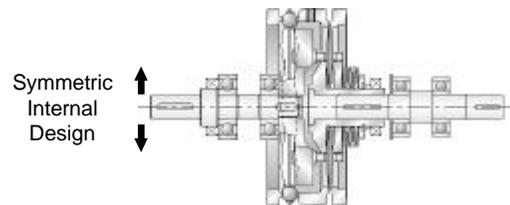


◆ Since motor is always running at full speed, you will always get high torque and maximum cooling effect even at low output rpm.

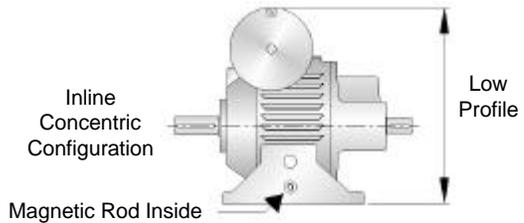


◆ DARALI® DISCO VARIATORS utilize excellent quality rolling bearings manufactured by the following companies: **NSK, NTN, SKF, FAG, KOYO, and NACHI.**

◆ Low moment of inertia, contributed by internally symmetric design mechanism, assures almost vibrationless operation.

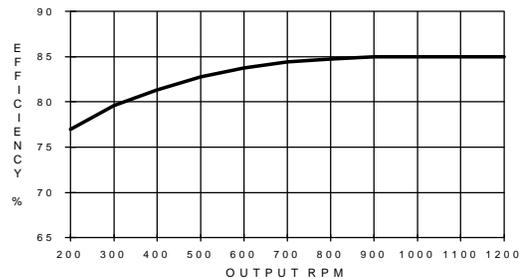


◆ Simple installation and handling w/ inline configuration. Eliminates tall cumbersome drive package. Low profile allows it to fit into a tight space.



◆ Magnetic Oil Drainage Rod to maintain internal cleanliness.

◆ High efficiency and low operating sound level.



◆ Minimum Maintenance - DARALI® DISCO VARIATOR is **shipped fully lubricated with synthetic oil**, and can be put to use immediately.

◆ Speed variation even at extremely low speed range. Excellent shock load resistance under low speed condition.

◆ SAE Grade 45 Ductile Iron construction for unparalleled sturdiness and excellent heat dissipation. The DARALI® DISCO VARIATOR can be installed in any orientation with only a simple change of breather, oil filler hole, and drain plug locations.