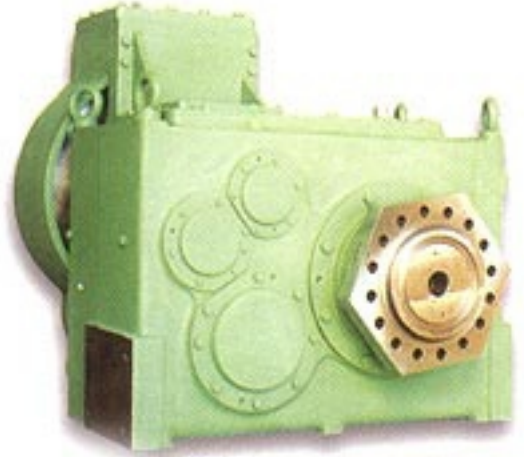


Wind Turbine Gear Box

Elecon is supplying complete Wind Mill solution under collaboration with M/s Wind Master of Belgium, for which this 300 kw gearbox is developed. This gear box is different from other wind mill gear boxes as the structure of the same not only support the power generator and disc brake but also the wind turbine blades through hexagonal flanged low speed shaft. The gear case and the adopter are specially developed for this purpose out of material FG 320. The internals of the gear box are carburized, hardened and ground and specially profile corrected for speed increasing gear application. The toothing and bearing are splash lubricated. Gear box is supported on Nacelle through sturdy brackets and working at height of 40 meters.



The Hydraulic cylinder shaft manoeuvring the blade angle is also accommodated in the gear box casing.

Technical Specifications :

Gear box - Model	SDNK 1400
Power	300 KW
Turbine Shaft Speed	43 rpm
Generator Shaft Speed	1512 rpm
Ratio	35.1487:1
Weight	4000 KGS (Approx.).

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