

Wind Turbine Gear Box



Elecon has already developed two different sizes of such gear boxes, viz 250 KW and 55 KW respectively for M/s NEPC Micon & BHEL Hyderabad. These gear boxes are coaxial and (Wind Turbine) shaft mounted working at 40 Mtr high on the tower. The internals are carburised, hardened and ground and specially profile corrected for speed increasing gear application. The toothing and bearing are bath/ splash lubricated and gear boxes fixed on the turbine shaft by means of shrink disc.

Technical specifications :

	NEPC Micon	BHEL Hyderabad
Gear box	SBH-410/S	SBH 280/80
Power	250 KW	55 KW
Turbine	Speed 41.5 rpm	58 rpm
Generator Speed	1515.6 rpm	1031.2 rpm
Speed Increaser Ratio	1 / 36.521	1 / 17.778
Weight	1800 Kgs Appro.	675 Kgs Appro.

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