

TECHNICAL SPECIFICATION DATA

Counter-rotating medium and large wind turbines

Nominal Power		100kW	225kW	500kW	750kW	1MW	2MW
		Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Model		KKH100	KKH225	KKH500	KKH750	KKH1M	KKH2M
Generator	Type	Permanent Magnet Generator					
	Rated Power	110kW	250kW	550kW	820kW	1.1MW	2.2MW
	Rotational Speed Range - front or top blade set	0-100 rpm	0-100 rpm	0-75 rpm	0-75 rpm	0-40 rpm	0-25rpm
	Rotational Speed Range - back or bottom blade set	0-100 rpm	0-100 rpm	0-75 rpm	0-75 rpm	0-40 rpm	0-25rpm
	Voltage	3 Phase 600 V AC					
Blade	Blade sets	2					
	Blade Number (front/back or top/bottom)	2/2					
	Diameter (front/back or top/bottom)	22m	33m	50m	61m	70 m	100m
	Hub Material	Carbon Steel					
	Blade Material	Fiber Glass					
Tower	Type	Monopole					
	Height (meter)	50	75	80	80	80	100
	Material	Steel					
Operating Conditions	Cut-in Wind Speed	4.5 m/s	4.5 m/s	4.5 m/s	4.5 m/s	4.5 m/s	4.5 m/s
	Rated Wind Speed	9.5 m/s	9.5 m/s	9.5 m/s	9.5 m/s	9.5 m/s	9.5 m/s
	Furling Wind Speed	>>15 m/s	>>15 m/s	>>15 m/s	>>15 m/s	>>15 m/s	>>15 m/s
	Survival Wind Speed	55 m/s	55 m/s	55 m/s	55 m/s	55 m/s	55 m/s
Clutch/Brake	Clutch	No (Direct Drive)					
	Brake System	Full Feathering of Blade / Disc Brake / Slewing System with Gear Motor Yawing					
	Extreme Wind Control	Electronic pitch/ yawing control					
Inverter	Type	Grid-Tie Inverter (UL Certified)					
	Rated Power	100kW inverter	225kW inveter	500kW inveter	1MW inveter	1MW inveter	2MW Inverter
Total Weight (Without Tower) - Approx.		8t	20t	35t	45t	60t	80t