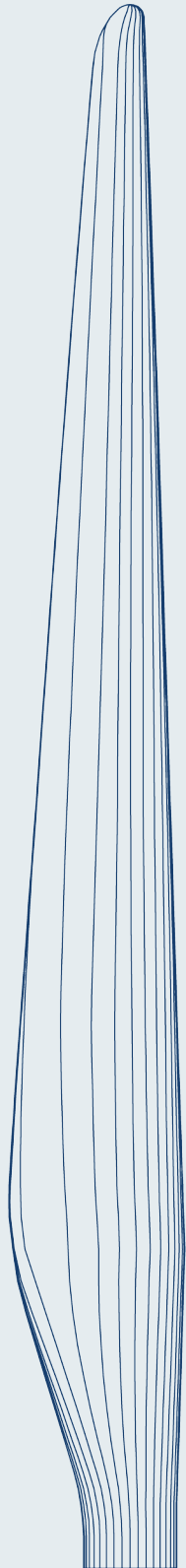


# KC51



## KC51-1250

### General

Windclass	[-]	IEC2
Wind Speed nominal	[m/s]	10.9
Rotor diameter (approx.)	[m]	50
Rated power	[kW]	750
Power control	[-]	Pitch
Nominal tip speed	[m/s]	75
Maximum tip speed	[m/s]	80
Materials	[-]	Glass/Epoxy
Blade root construction	[-]	Glass/Epoxy

### Aerodynamics

Airfoils	[-]	EUROS+DU NACA64-619
Maximum power coefficient	[-]	0.50
Design tip speed ratio	[-]	7.3

### Mechanics

Mass without bolts	[kg]	2200
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### Geometry

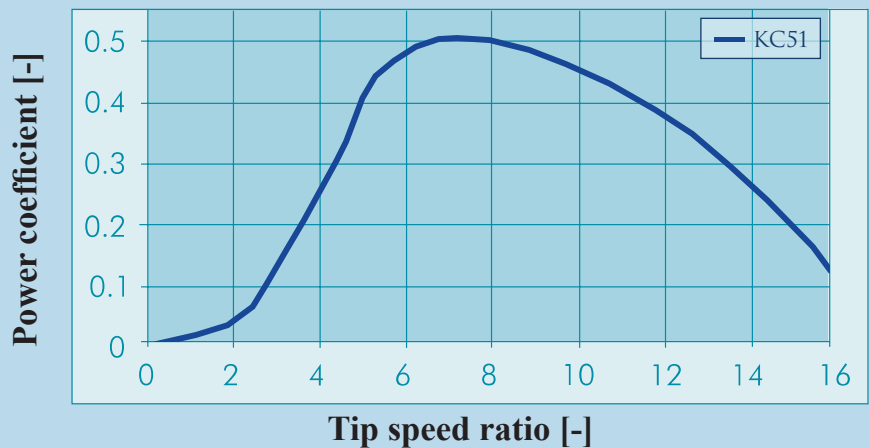
Blade length	[m]	24.50
Maximum chord	[m]	2.40
Thickness	[%]	18-40
Twist	[deg]	11.5
Blade area	[m <sup>2</sup> ]	39.2

### Mounting

Mounting diameter	[mm]	1250 (opt. 1200)
Number of bolts	[-]	40
Bolt size	[-]	M24x1.5 or M30
Type	[-]	T-bolt

### Miscellaneous

Lightning protection	[-]	Aluminum receptor
Erosion protection	[-]	PU



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