



## Blade family EU 51 | 55 | 59

### BLADE TYPE

Hand lamination	EU 50.1250-2	EU 54.1250-2
Vacuum infusion		EU 54.1250.1-B

### GENERAL

Rotor diameter (approx.) (m)	50	54
Rated power (kW)	750	750
Power control	Pitch	Pitch
Nominal wind speed (m/s)	11.1	10.7
Nominal tip speed (m/s)	75	75
Materials	Glass/Epoxy	Glass/Epoxy
Mass (t)	2.20	2.35

### AERODYNAMICS

Airfoils	EUROS, DU, NACA64	EUROS, DU, NACA64
Design tip speed ratio	7.5	8.4
Max. power coefficient	0.49	0.49

### GEOMETRY

Blade length (m)	24.50	26.35
Max. Chord (m)	2.40	2.40
Twist (deg)	11.5	12.5
Blade area (m <sup>2</sup> )	39.1	40.2

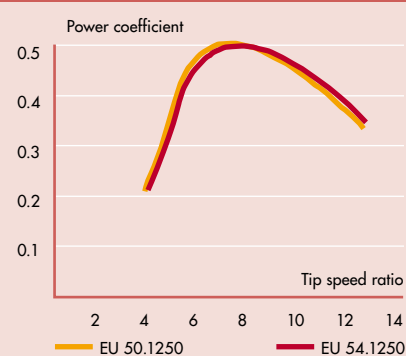
### MOUNTING

Mounting diameter (mm)	1250/1200	1250/1200
No. of bolts	40	40/44
Bolt size	M24x1.5/M27	M27

### MISCELLANEOUS

Lightning protection	Aluminum receptor	Aluminum receptor
Erosion protection	PU-foil	PU-foil

### POWER CURVE



### EUROS DESIGN PHILOSOPHY

Blades are designed in families. Center section is identical within one family. Root and tip segments can be exchanged to meet customer specifications.

### CONTACT

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