



Blade family EU 70 | 80 | 90

BLADE TYPE

Hand lamination

Vacuum infusion EU 80.1800.3-A EU 84.1800.3-A

GENERAL

Rotor diameter (approx.) (m)	80	84
Rated power (kW)	1700	1700
Power control	Pitch	Pitch
Nominal wind speed (m/s)	10.9	10.6
Nominal tip speed (m/s)	75	75
Materials	Glass/Epoxy	Glass/Epoxy
Mass (t)	6.05*	6.55*

AERODYNAMICS

Airfoils	EUROS, DU, NACA64	EUROS, DU, NACA64
Design tip speed ratio	7.7	8.1
Max. power coefficient	0.50	0.50

GEOMETRY

Blade length (m)	39.00	41.00
Max. Chord (m)	3.08	3.08
Twist (deg)	11.2	11.2
Blade area (m ²)	78.5	81.0

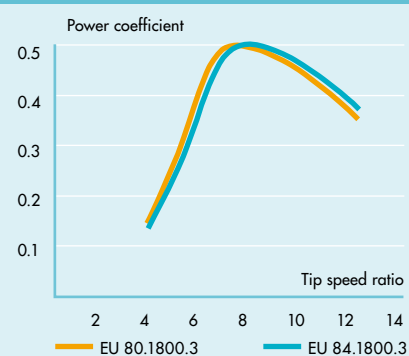
MOUNTING

Mounting diameter (mm)	1800	1800
No. of bolts	54	54
Bolt size	M30	M30

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

EUROS Entwicklungsgesellschaft
für Windkraftanlagen mbH

Falkenberger Straße 146 A/B
13088 Berlin, Germany

Phone: +49 (0) 30 854 01 09-00

Fax: +49 (0) 30 854 01 09-29

E-Mail: euros@euros.de | www.euros.de

Blades and more ...

* Design Value