



Blade family EU 110 | 120 | 130

BLADE TYPE

		EU 116.2300.5-A	EU 118.2300.5-A
GENERAL			
Rotor diameter (approx.)	(m)	116	118
Rated power	(kW)	3000	3000
Power control		Pitch	Pitch
Nominal wind speed	(m/s)	10.4	10.3
Nominal tip speed	(m/s)	76*	76*
Materials		Glass/Epoxy	Glass/Epoxy
Mass (incl. bolts)	(t)	13.7	14.4

AERODYNAMICS

Airfoils		Delft, Euros-Flatback	Delft, Euros-Flatback
Design tip speed ratio		9.4	9.3
Max. power coefficient		0.490	0.489
Capacity factor		0.453**	0.458**

GEOMETRY

Blade length	(m)	56.8	57.55
Max. chord	(m)	4.29	4.29
Blade area (planform)	(m ²)	141.5	143.4

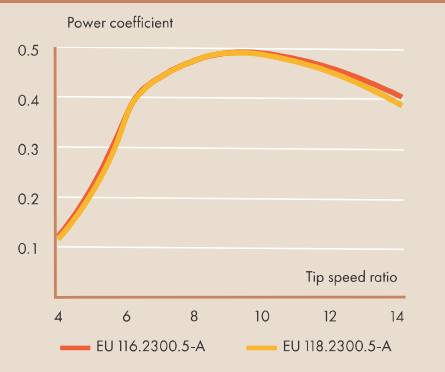
MOUNTING

Mounting diameter	(mm)	2300	2300
No. of bolts		64	64
Bolt size		M36	M36

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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Blades and more ...

* Design Value

** Turbine Class III, eff. 92%