



Blade family EU 100 | EU110 | 120

BLADE TYPE

Hand lamination

Vacuum infusion

EU 116.2300.5-A

EU 120.2500.5-A

GENERAL

		EU 116.2300.5-A	EU 120.2500.5-A
Rotor diameter (approx.)	(m)	116	120
Rated power	(kW)	3000	3000
Power control		Pitch	Pitch
Nominal wind speed	(m/s)	10.3	10.1
Nominal tip speed	(m/s)	76*	76*
Materials		Glass/Epoxy	Glass/Epoxy
Mass	(t)	13.3*	14.4*

AERODYNAMICS

		EU 116.2300.5-A	EU 120.2500.5-A
Airfoils		Delft, Euros-Flatback	Delft, Euros-Flatback
Design tip speed ratio		8.9	9.1
Max. power coefficient		0.492	0.489
Capacity factor**		0.457	0.469

GEOMETRY

		EU 116.2300.5-A	EU 120.2500.5-A
Blade length	(m)	56.8	58.8
Max. chord	(m)	4.25	4.25
Blade area (planform)	(m ²)	142.1	149.7

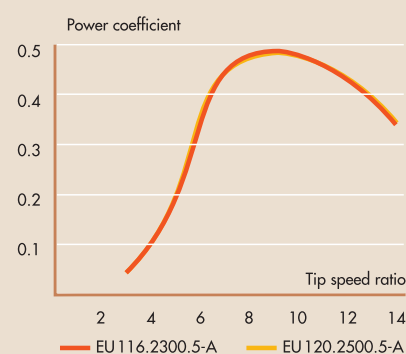
MOUNTING

		EU 116.2300.5-A	EU 120.2500.5-A
Mounting diameter	(mm)	2300	2500
No. of bolts		64	72*
Bolt size		M36	M36

MISCELLANEOUS

		EU 116.2300.5-A	EU 120.2500.5-A
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

** drive train eff. = 92%; avg. wind speed = 7.5m/s (TC III and Rayleigh distribution)