



## Blade family EU 116 | 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 <sup>2</sup> )	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

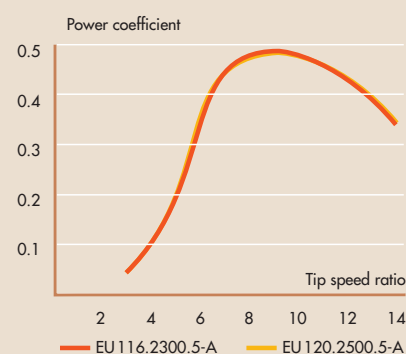
### MISCELLANEOUS

		EU 116.2300.5-A	EU 120.2500.5-A
Lightning protection		Aluminum receptor	Aluminum receptor
Erosion protection		PU-foil	PU-foil

\* Design Value

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

### 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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