



## Blade family EU 70 | 80 | 90

### BLADE TYPE

Hand lamination

Vacuum infusion EU 70.1800.3-A EU 76.1800.3-A

### GENERAL

|                              |             |             |
|------------------------------|-------------|-------------|
| Rotor diameter (approx.) (m) | 70          | 76          |
| Rated power (kW)             | 1700        | 1700        |
| Power control                | Pitch       | Pitch       |
| Nominal wind speed (m/s)     | 11.8        | 11.3        |
| Nominal tip speed (m/s)      | 75          | 75          |
| Materials                    | Glass/Epoxy | Glass/Epoxy |
| Mass (t)                     | 5.35*       | 5.70*       |

### AERODYNAMICS

|                        |                   |                   |
|------------------------|-------------------|-------------------|
| Airfoils               | EUROS, DU, NACA64 | EUROS, DU, NACA64 |
| Design tip speed ratio | 6.8               | 7.4               |
| Max. power coefficient | 0.50              | 0.50              |

### GEOMETRY

|                              |       |       |
|------------------------------|-------|-------|
| Blade length (m)             | 34.00 | 37.00 |
| Max. Chord (m)               | 3.08  | 3.08  |
| Twist (deg)                  | 10.5  | 10.9  |
| Blade area (m <sup>2</sup> ) | 73.0  | 76.5  |

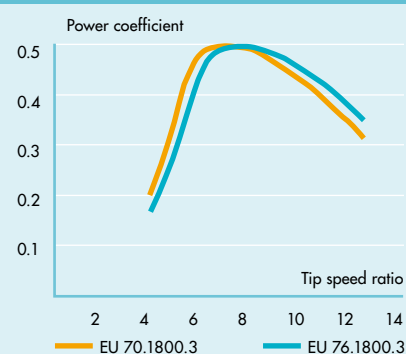
### MOUNTING

|                        |      |      |
|------------------------|------|------|
| 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

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**Blades and more ...**

\* Design Value