



Global Wind Power

GWP82-2000kW Power Curve

Designed by Lagerwey, the next generation of direct drive

Wind Speed (m/s)	Electrical power (kW)
1	0
2	1
3	16
4	67
5	167
6	313
7	507
8	750
9	1.040
10	1.355
11	1.646
12	1.860
13	1.983
14	2.000
15	2.000
16	2.000
17	2.000
18	2.000
19	2.000
20	2.000
21	2.000
22	2.000
23	2.000
24	2.000
25	2.000

Certification and power curve measurement

The GWP82-2000kW wind turbine will be installed at the wind turbine test field in Lelystad mid 2009, components are secured, design is ready and permits plus other preparations are in place.

During the second half of 2009 the turbine will be certified by Germanischer Lloyds, the power curve will be measured, as well as the power quality and the noise curve.

GWP will give a warranty based on the calculated power curve for now and as soon as the measured power curve is available this warranty will be based on that curve, unless the calculated power curve is better than the measured one.

On the left is the calculated power curve of the GWP82-2000kW based on: 1.225kg/m³ air density, clean blades and undisturbed horizontal inflow.



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