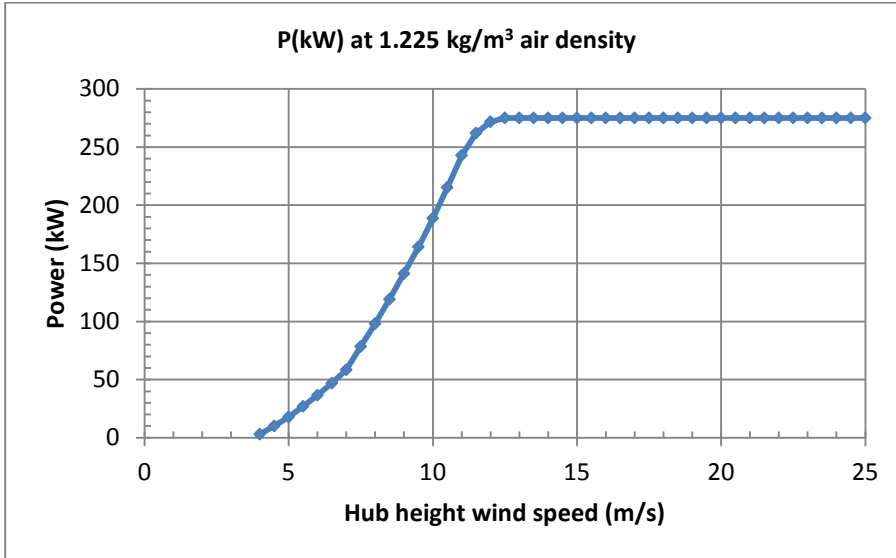


1 - POWER CURVE

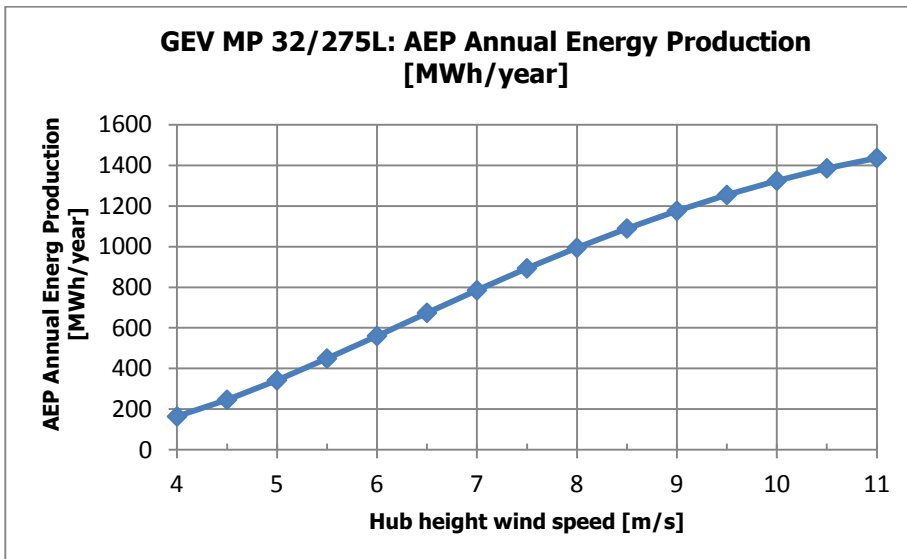
This official power curve was measured and certified on the GEV MP-C at our test site in Gommerville (Eure-et-Loir, France) by MEASNET member (<http://www.measnet.com/members.html>) consultancy company DEWI (<http://www.dewi.de>) as per IEC 61400-12-1:2005-12.



Source : SPM146n, 19/07/2010
Power curve: GEV MP 32/275 L
Air density = 1.225 kg/m³

Hub height wind speed (m/s)	P(kW) at 1.225 kg/m ³ air density
4.0	3.0
4.5	10.1
5.0	17.9
5.5	26.9
6.0	36.5
6.5	46.9
7.0	58.4
7.5	78.4
8.0	98.1
8.5	119.1
9.0	141.1
9.5	164.1
10.0	188.7
10.5	215.2
11.0	242.8
11.5	262.0
12.0	271.7
12.5 - 25	275.0

2 - ANNUAL ENERGY PRODUCTION (AEP)



Source : SPM146n, 19/07/2010
Power curve: GEV MP 32/275 L
Weibull distribution: $k = 2$
Air density = 1.225 kg/m³
Availability 100% - No electrical (step-up transformer, cable lines) losses considered

Hub height wind speed [m/s]	AEP [MWh/year]
4	164
4.5	246
5	342
5.5	449
6	560
6.5	674
7	785
7.5	893
8	994
8.5	1089
9	1176
9.5	1254
10	1324
10.5	1385
11	1436

Those figures are annual production estimates for one GEV MP 32/275 (AEP: Annual Energy Production as per IEC 61400-12-1:2005, § 8.3) under the above hypothesis. Air density, Weibull k and wind speed need to be adapted to site conditions. Site-specific conditions such as temperature and turbulence should also be considered to confirm suitability of the turbine for the site. Please contact Vergnet for any help in your production estimates.

Release Date	Document #	Classification	Applicable to	Prepared by	Page
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