

GEV MP-R 32 m rotor diameter sound power levels # IC-12-GE-AC-001-EN

1. Reference documents

- [R1] IEC 61400-11:2006 standard "Wind turbine generator systems – Part 11: Acoustic noise measurement techniques"
- [R2] Acoustic Noise Emission report no.GT/GL/1112/187/RA by GANTHA ¹

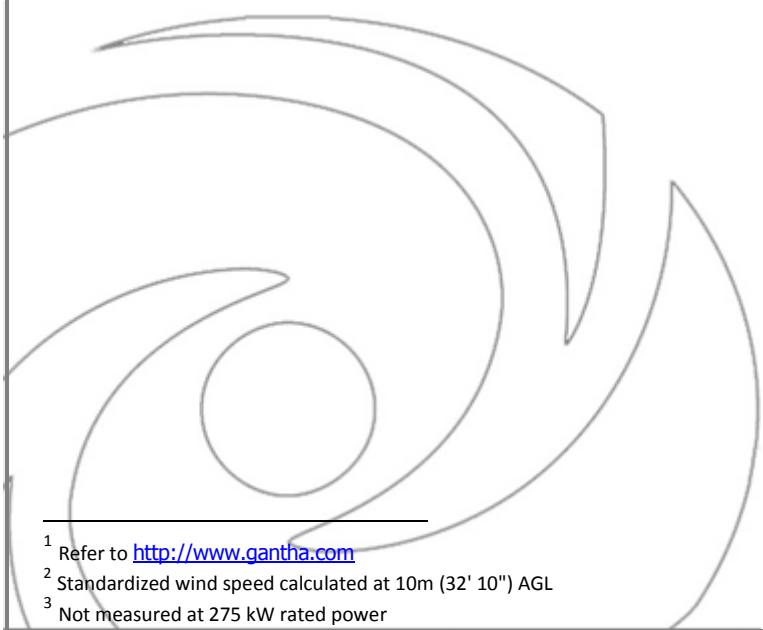
2. GEV MP-R 32 m rotor diameter Sound Power Levels

A measurement campaign of acoustic noise emission has been performed in 2012 on the GEV MP-R 32 m rotor diameter in our test site in Gommerville, France, by the certification body GANTHA. Sound power levels have been computed according to standard [R1] and documented in document [R2].

Table 1 here below indicates the measured sound power levels.

Standardized wind speed m/s ²	6	7	8	9	10 ³
Apparent power level dB(A)	100.2	101.9	102.4	102.4	102.9
Combined uncertainty dB(A)	1.9	1.9	1.5	1.5	1.3

Table 1 - GEV MP-R 32 m rotor diameter sound power levels acc. IEC 61400-11



¹ Refer to <http://www.gantha.com>

² Standardized wind speed calculated at 10m (32' 10") AGL

³ Not measured at 275 kW rated power

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130507	IC-12-GE-AC-001-EN	P	GEV MP-R	PVE	SMA	DSA	1/1