

240,99 W

tozzi nord s.rl.

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The company is managed and coordinated
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tozzi nord

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www.tozzinord.com

long



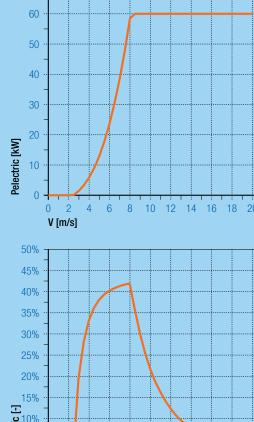
Quality above and beyond the product

Tozzi Nord is the first Italian manufacturer of small wind turbines to have its TN535 turbine (10 kW) certified by an accredited body and to install its product even in the UK.

The same path is now being followed for the *Victory 24-60* (60 kW). Designed to meet the IEC61400-1 standard, the certification process for this turbine is currently underway. This process also includes certification of the power curve and noise emissions, thus confirming the turbine's qualitative excellence and guaranteeing the customer a secure investment.

Estimated AEP					
Annual average wind speed (m/s)	4	5	6	7	8
Annual average wind speed (mph)	8.96	11.20	13.44	15.68	17.92
Turbulence index (%)	18.00	18.00	18.00	18.00	18.00
Rated annual energy output (MWh/a)	116,7	181,9	240,6	288,8	325,6

60 kW		
24 m - 78.74 ft		
30 m - 98.72 ft / 22 m - 72.17 ft		
III A		
8 m/s - 17.89 mph		
2.5 m/s - 5.59 mph		
20 m/s - 44.73 mph		
Upwind		
Clockwise		
3		
452.5 m ² - 4870.66 ft ²		
GRP (epoxy resin)		
Variable: 10-43 rpm		
Tozzi Nord pitch control: hydraulically activated		
Rigid		
Spherical roller bearing		
Parallel axis, two stages - ratio 1:20.6		
PMS (Permanent Magnet Synchronous)		
AC-DC-AC located at tower base		
Italy, CEI 0-21; UK, G59/2		
Aerodinamic brake with emergency power supply		
Slow shaft disc brake with emergency power supply		
Active via yaw gear		
Active via yaw gear		
Active via yaw gear Tozzi Nord SCADA System		



Power curves