

WIND TURBINE

T01



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OPERATIONAL DATA

Nominal power:	1000 W
Nominal wind:	13 m/s
Cut-in speed:	3 m/s
Cut-out speed:	none

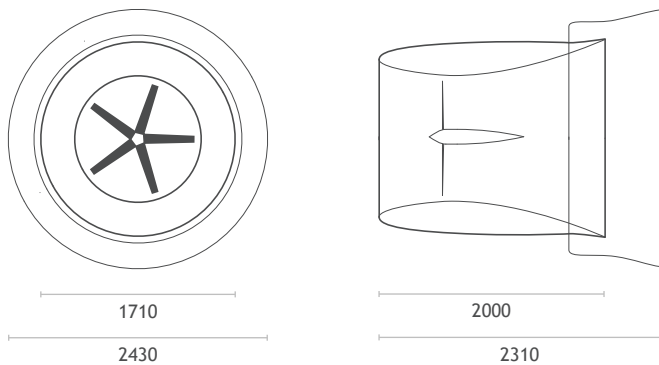
ROTOR

Diameter:	1,07 m
Swept area:	0,90 m ²
Nominal torque:	1.300 / min

TURBINE UND BYPASS

Outer diameter:	1,71 m (2,43 m*)
Length:	2,00 m (2,31 m*)
Height inc. tower:	2,64 m (3,00 m*)

* with optional bypass



GENERATOR

Type:	permanently energized synchronous generator
Voltage:	150 V or 230 V

CHARGE CONTROLLER (OPTIONAL)

Initial voltage:	24 V or 48 V (recommended)
Output regulator:	MPP tracking of generator voltage, discharge protection and battery management

INVERTER (OPTIONAL)

Initial voltage:	230 V, one-phase
Frequency:	50 Hz
Output regulator:	optimized efficiency control using turbine characteristic

- Aerodynamic coat and optional diffuser enhance wind speed on rotor level and increase operational power
- Low noise and vibration
- No shadow flickering or sun reflection on rotor blades (disco effect)
- No thrown-off ice
- No danger for birds
- Higher rotor speed and thus gearless versions available
- Optimized efficiency control of operational power
- Insensitive to varying wind directions of +/- 30°
- Specially developed for integration in buildings



Innovationspark 2, A-8152 Stallhofen
T: +43 50 3141 F: +43 50 3141-2290
eli@sfl-technologies.com

SFL technologies GmbH was founded in 1993 by Hans Höllwart and currently employs 800 workers in locations in Austria, Hungary and Rumania across eight different fields.

Turbine 01 is the wind turbine for domestic use and isolated applications. It is also suitable for areas where conventional wind power applications are not permitted. Modern components and durable material guarantee a safe, quiet and efficient operation.