

LS Helix 3.0

Vertical wind power turbine



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LS Helix – Convincing vertical wind power

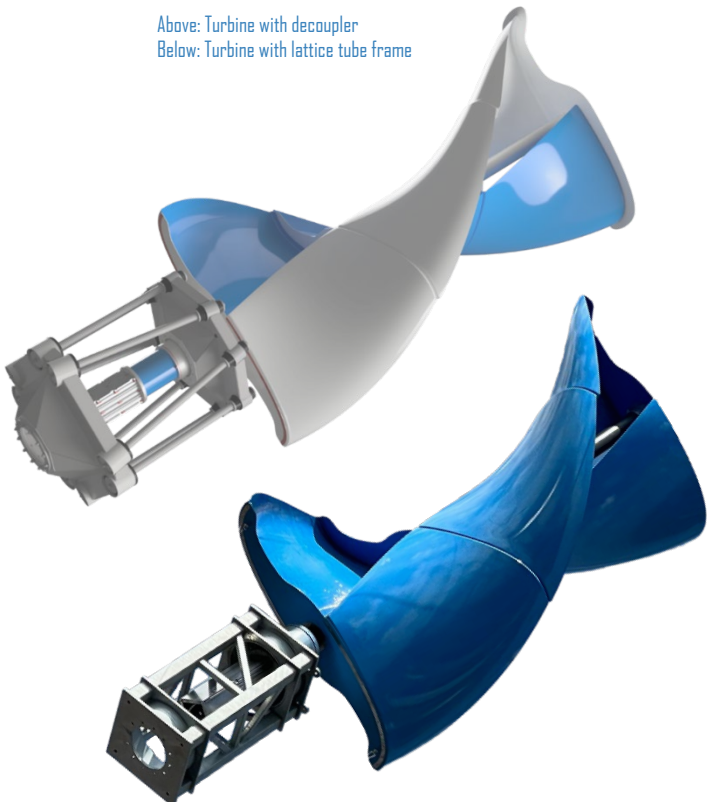
The evolution of our Savonius-style vertical wind turbines, the LS Helix 3.0 impresses with greater power and higher energy efficiency, additionally provided with the vibration decoupler, which means that no structure-borne noise is transmitted, enabling roof-mounted installation.

Under optimal wind conditions, they produce up to 5.0 kW of electricity. With the available option for self-assembly, the turbines function in turbulent wind conditions as well as at low wind speeds and will be available from LuvSide and selected partners.

Insights into the LuvSide turbine

LuvSide turbines are built to be compact and easy to maintain. The turbine rotor itself includes all the key components and serves as a complete solution that's ready to start your renewable energy transformation.

Above: Turbine with decoupler
Below: Turbine with lattice tube frame



Output Power

Nominal Power	3.0 kW at 52 fps
Maximum Power Output	5.0 kW at 65.6 fps
Start-up wind speed	13 fps (8.7 mph)
Max. wind speed before destruction	164 fps (112 mph)

Rotor Dimension

Diameter	7.2 ft
Height	13 ft
Rotor Surface	95 spft
Weight	551 lbs
Speed of Rotation	100-140 rpm
Number of rotor blades	6 Pcs.
Material	Glassfiber-reinforced plastic (GRP)

System Information

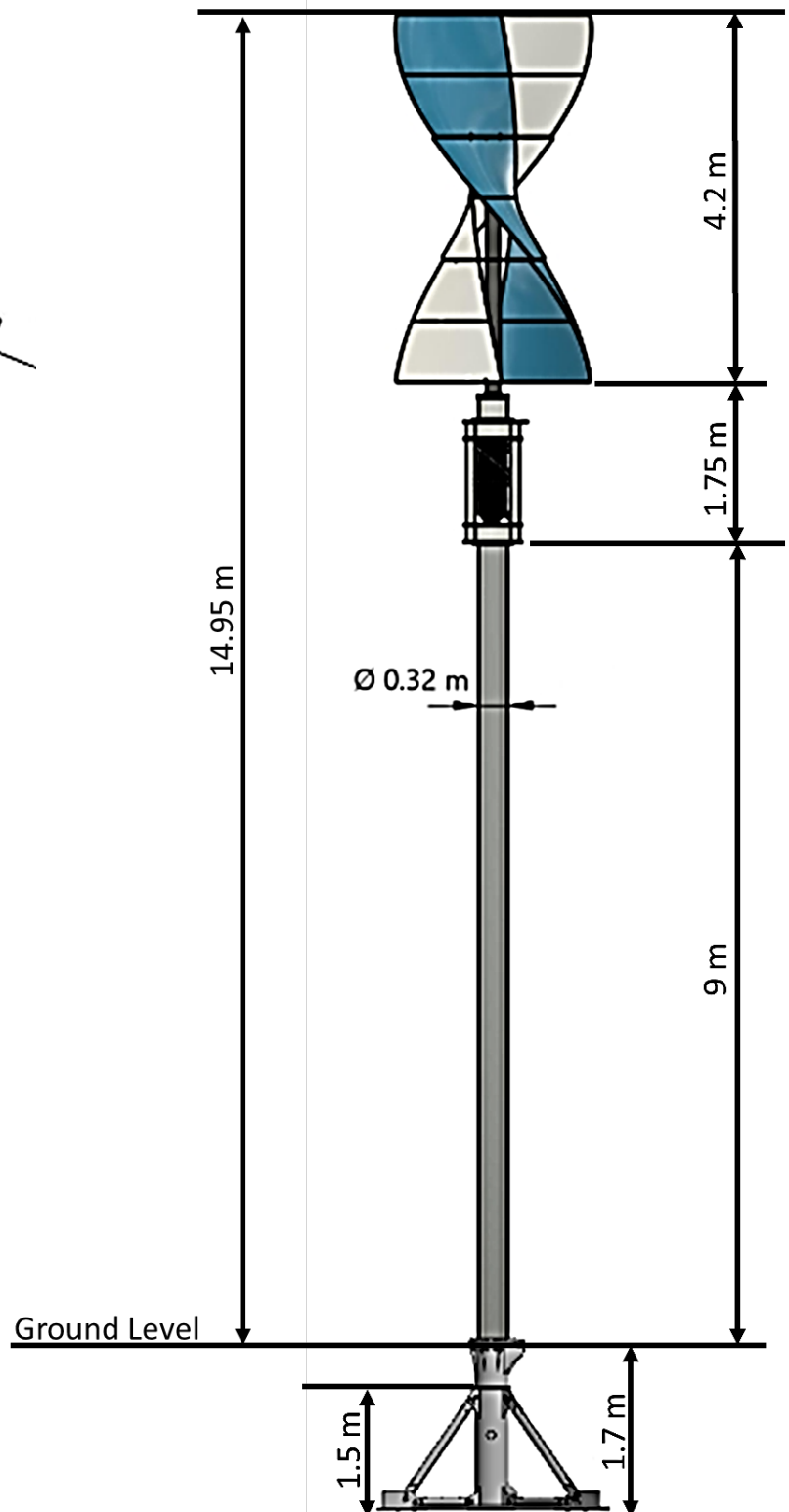
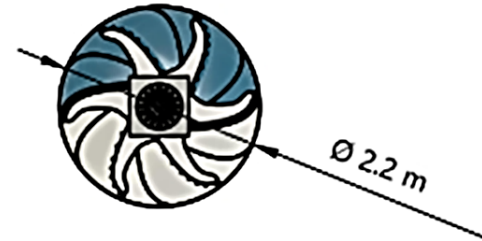
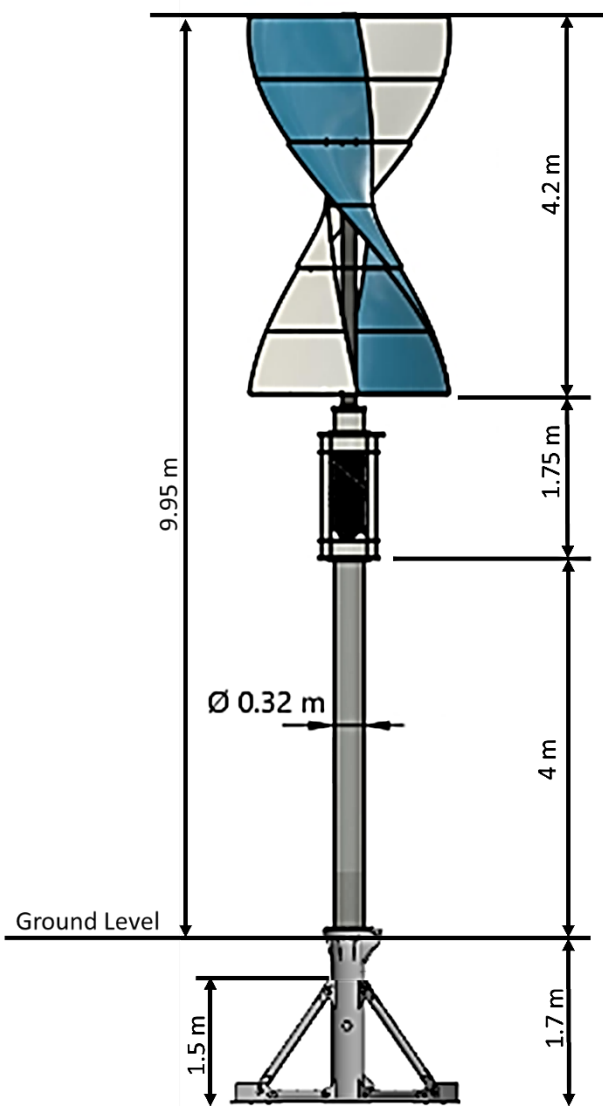
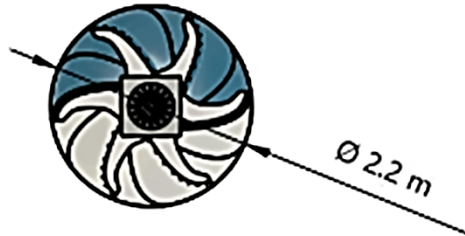
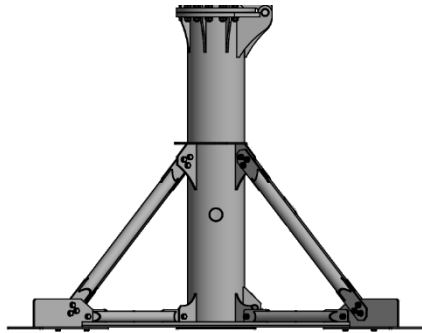
Total height (incl. Decoupler)	approx. 19.7 ft
Total weight	approx. 1323 lbs
Connection bolt circle	Ø 15.75 in.
Bolt size connection plate	16x M16

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SteelRoots foundation & Dimensions



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Installed systems



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Customer



Project partner



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LuvSide GmbH

Wind power technology
Krankenhausstraße 18
86911 Diessen am Ammersee
Germany

Phone +49 89 1892 83 54
info@luvsidede | www.luvsidede

Distributor for the African Continent:

Energy Systems Africa
209 Rondebult road, Farrar park
Boksburg, Johannesburg, 1459
South Africa

Phone +27 82 552 76 78
Rodney Love: r.love@esafrica.co.za