Blue Sky Platform

Partnering Europe's Energy Transition

SUZLON
POWERING A GREENER TOMORROW

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Designed for varied wind regimes using technology proven across thousands of turbines, Suzlon's modular Blue Sky platform of large wind turbines is your ideal partner for Europe's energy transition. With greater reliability, higher yields, and lower LCoE, this platform is available in two turbine variants: the S175 to unlock lower-wind sites and the S163 to optimise high wind speeds.

Proven technology

The Blue Sky platform is an evolution founded on insights from over three decades of engineering excellence, which has powered thousands of turbines in operation worldwide. This platform leverages proven technology across our global fleet of over 21 GW, specifically for wind turbine blades, mechanical drive trains, and electrical drive trains. Key features of the platform include glass blades - the second generation of Suzlon blades, and carbon girders, designed for high machine availability, durability, and long-term reliability.

Consistent performance

For high efficiency, the Blue Sky platform utilises a large rotor-to-rating ratio and optimised rotor diameters to generate maximum output and boost Annual Energy Production (AEP) in moderate-wind sites. Advanced control features ensure higher yields, while a focus on digital serviceability reduces operational expenses and lowers the Levelised Cost of Energy (LCoE).

Good neighbour

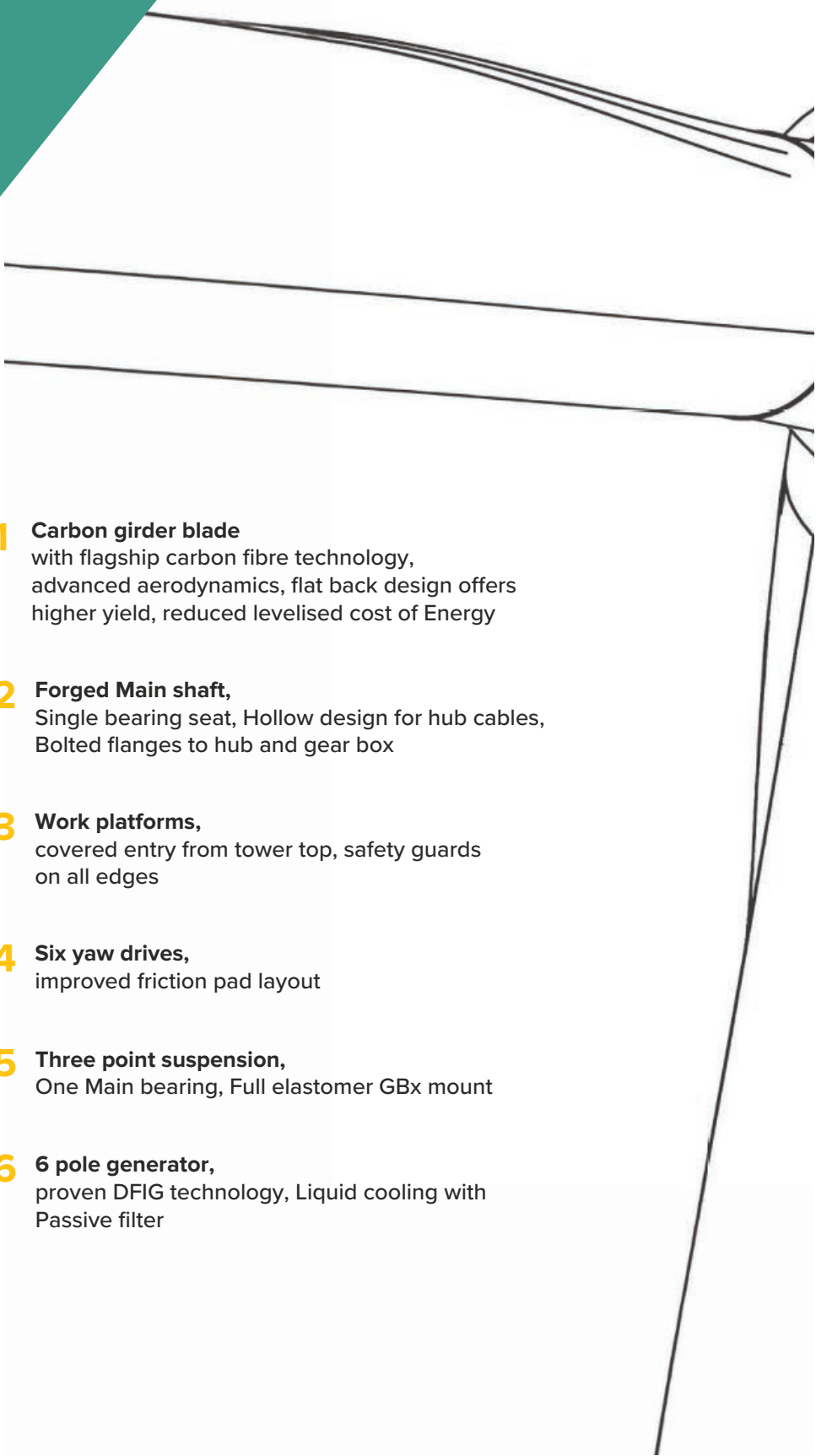
To navigate Europe's strict permitting and regulatory constraints, the Blue Sky Platform prioritises low-impact operation. It incorporates a noise-reduction mechanism and transport-friendly components, including blades, towers, and nacelles, to lower transport risk and environmental impact. This deployability-focused design makes it an ideal choice for permitting-sensitive sites.

Site-specific prowess

The Blue Sky platform offers a strong IEC-class fit, allowing for precise site adaptation to meet local turbulence and varied wind and climate conditions. Flexible tower height enables better command over the landscape by capturing optimal site-specific wind shear. Additionally, the platform ensures seamless integration into the European grid networks through robust grid code compliance and advanced power quality controls.

Customisable for diverse markets

Our modular concept discards the "one-size-fits-all" approach and supports multiple platform variants to cater to different wind regimes and the specific needs of markets across Europe. The Blue Sky platform, along with our other products, is also "repowering-ready," combining German and Dutch design precision with 30 years of manufacturing and operational prowess to maximise the value of both new and existing wind sites.



1 **Carbon girder blade**
with flagship carbon fibre technology, advanced aerodynamics, flat back design offers higher yield, reduced levelised cost of Energy

2 **Forged Main shaft,**
Single bearing seat, Hollow design for hub cables, Bolted flanges to hub and gear box

3 **Work platforms,**
covered entry from tower top, safety guards on all edges

4 **Six yaw drives,**
improved friction pad layout

5 **Three point suspension,**
One Main bearing, Full elastomer GBx mount

6 **6 pole generator,**
proven DFIG technology, Liquid cooling with Passive filter

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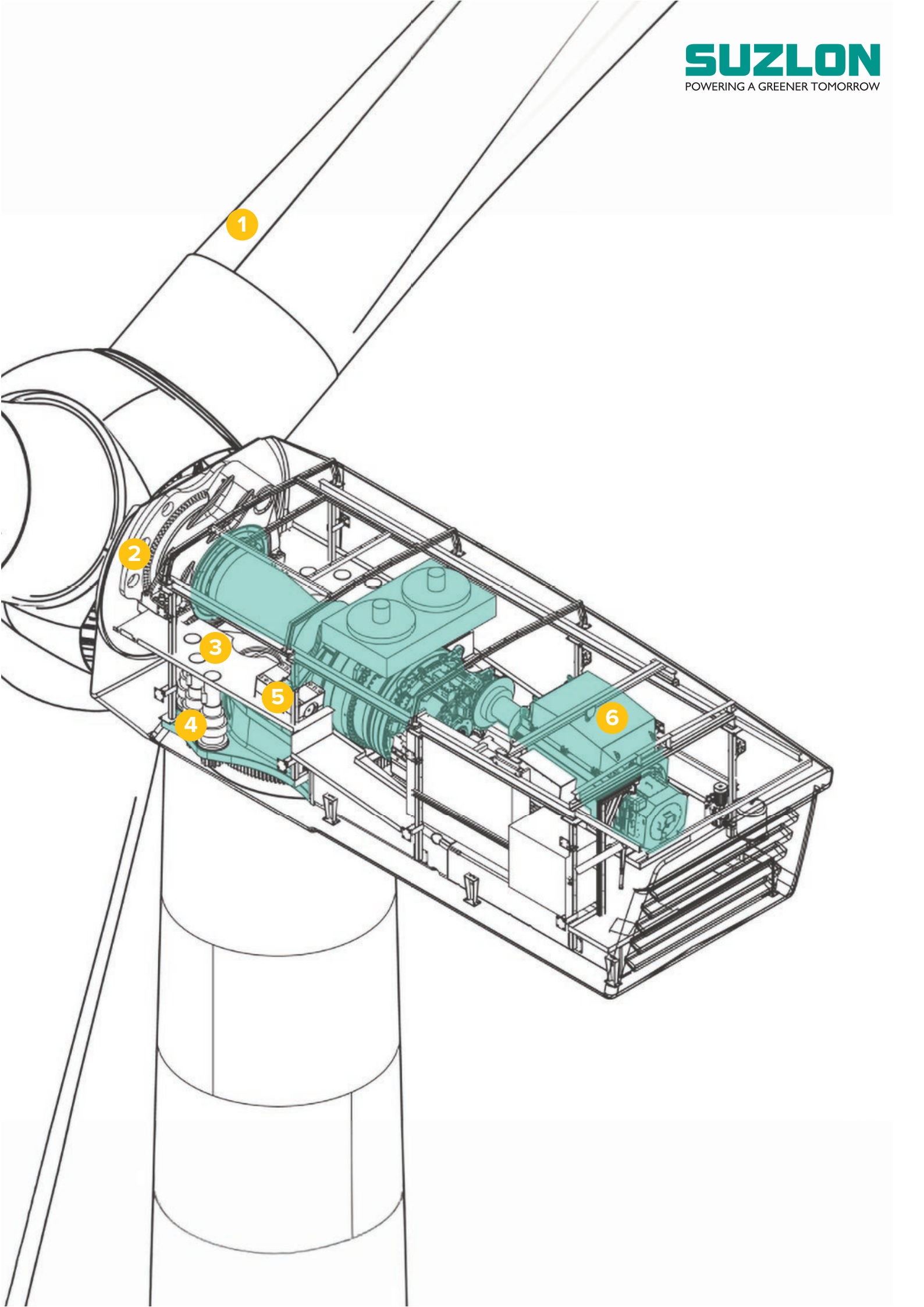


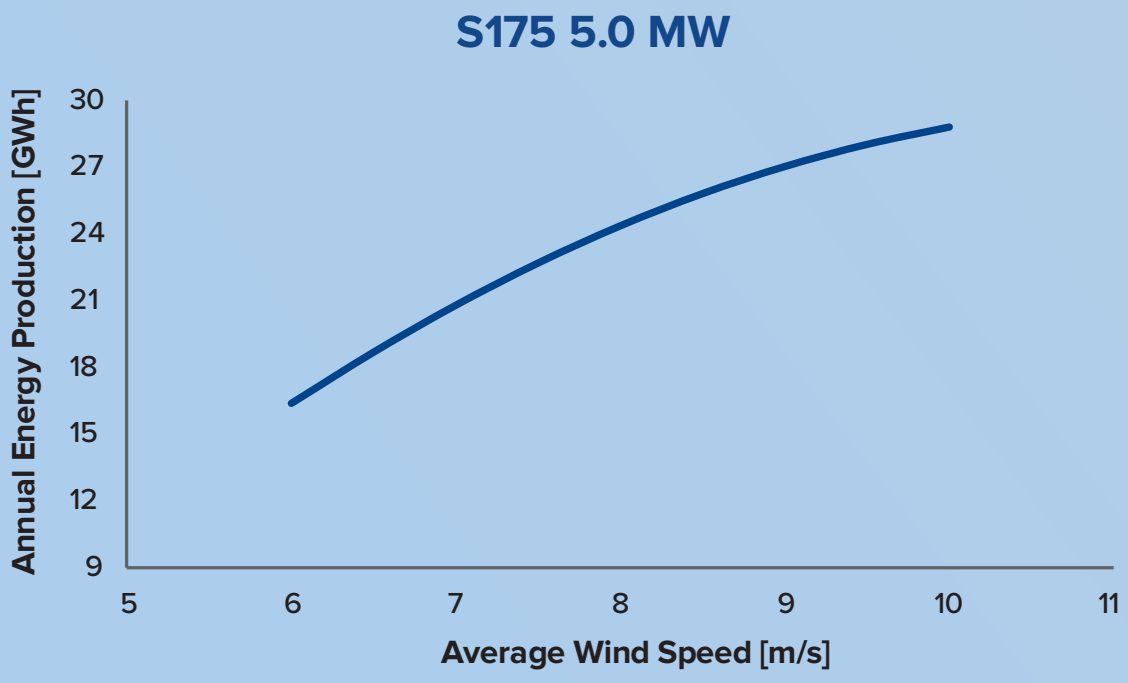
The Blue Sky fleet delivers 50-55% higher generation over the S144 - 3.x MW and 2x higher generation over the S120 - 2.x MW.

The modular Blue Sky platform is available in

The S175 - 5.0 MW Advantages

Built to unlock low-wind sites, the S175 combines a large rotor diameter with customisable hub heights up to 160 metres to deliver a robust performance across markets. With our largest rotor diameter, this WTG is well-suited for a wide range of wind regimes, making it ideal for optimising Europe's onshore wind potential.

Power Curve



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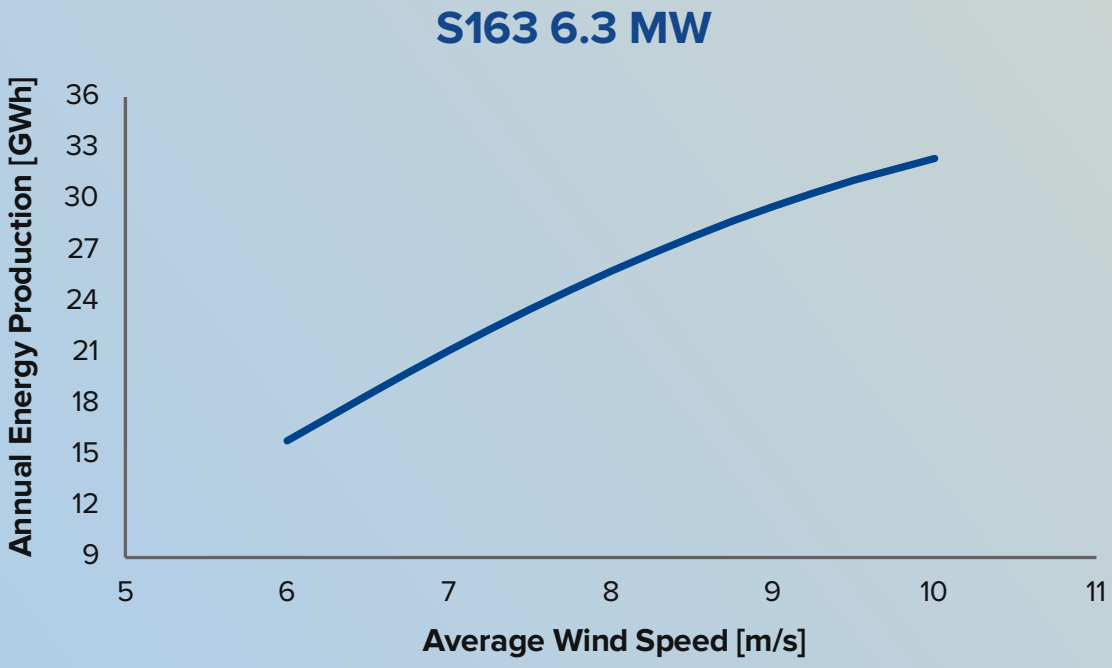
The S163 – 6.3 MW Advantages

Designed to harness Europe's moderate to high wind speeds, the S163 features an optimised rotor diameter to deliver high power generation while ensuring a lower Levelised Cost of Energy (LCoE). It is available at hub heights up to 150 metres and is customisable for project-specific requirements.

Power Curve

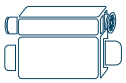


Technical Specifications S175 - 5.0 MW

OPERATING DATA:
Wind class - IEC S
Rated power - 5.0 MW
Cut-in wind speed - 3.0m/s
Rated wind speed - 9.7m/s
Cut-out wind speed - 21.0m/s

TOWER:
Hub heights - Up to 160m
Type - Modular Hybrid
Lattice Tower /
Tubular Steel Tower

ROTOR:
Rotor diameter - 175m
Swept area - 24053m2



GENERATOR:
Frequency - 50Hz
Proven DFIG technology
Water – Liquid cooling with
passive filter

BLADE:
Make - Suzlon SB86
(Carbon girder, flatback
and T-Bolt-connection)

Power curve according to wind class IEC S and air density 1.225 kg/m^3
The released power curve has been created according to IEC 61400-12 guidelines. The actual power curve on specific sites varies due to site-specific conditions.

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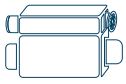
Technical Specifications S163 - 6.3 MW

OPERATING DATA:
Wind class - IEC S
Rated power - 6.3 MW
Cut-in wind speed - 3.0m/s
Rated wind speed - 13.0m/s
Cut-out wind speed - 22.0m/s

TOWER:
Hub heights - Up to 148.5m
Type - Modular Hybrid
Lattice Tower /
Tubular Steel Tower

ROTOR:
Rotor diameter - 163m
Swept area - 20867m2



GENERATOR:
Frequency - 50Hz
Proven DFIG technology
Water – Liquid cooling with
passive filter

BLADE:
Make - Suzlon SB80
(Glass with Carbon girder, 80m)

Power curve according to wind class IEC S and air density 1.225 kg/m^3
The released power curve has been created according to IEC 61400-12 guidelines. The actual power curve on specific sites varies due to site-specific conditions.


SUZLON

The Suzlon Group

The Suzlon Group is a leading global renewable energy solutions provider, with approximately 21.5 GW* of wind energy capacity installed across 17 countries.

Headquartered at Suzlon One Earth in Pune, India, the Group includes Suzlon Energy Limited and its subsidiaries. A vertically integrated organisation, Suzlon has inhouse R&D centres in Germany, the Netherlands, Denmark, and India, and world-class manufacturing facilities across India. With 30 years of operational excellence and a diverse workforce of ~7,800 employees, Suzlon is India's No. 1 Renewable Energy Solutions company, managing 15.1 GW of assets and an additional ~6 GW installed outside India. Its portfolio includes the advanced 2.x MW and 3.x MW series of wind turbines.

*Global installations of Suzlon-manufactured wind turbine generators.
Data as of 31st December 2025

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