



S133

2.6 to 3 MW
Platform

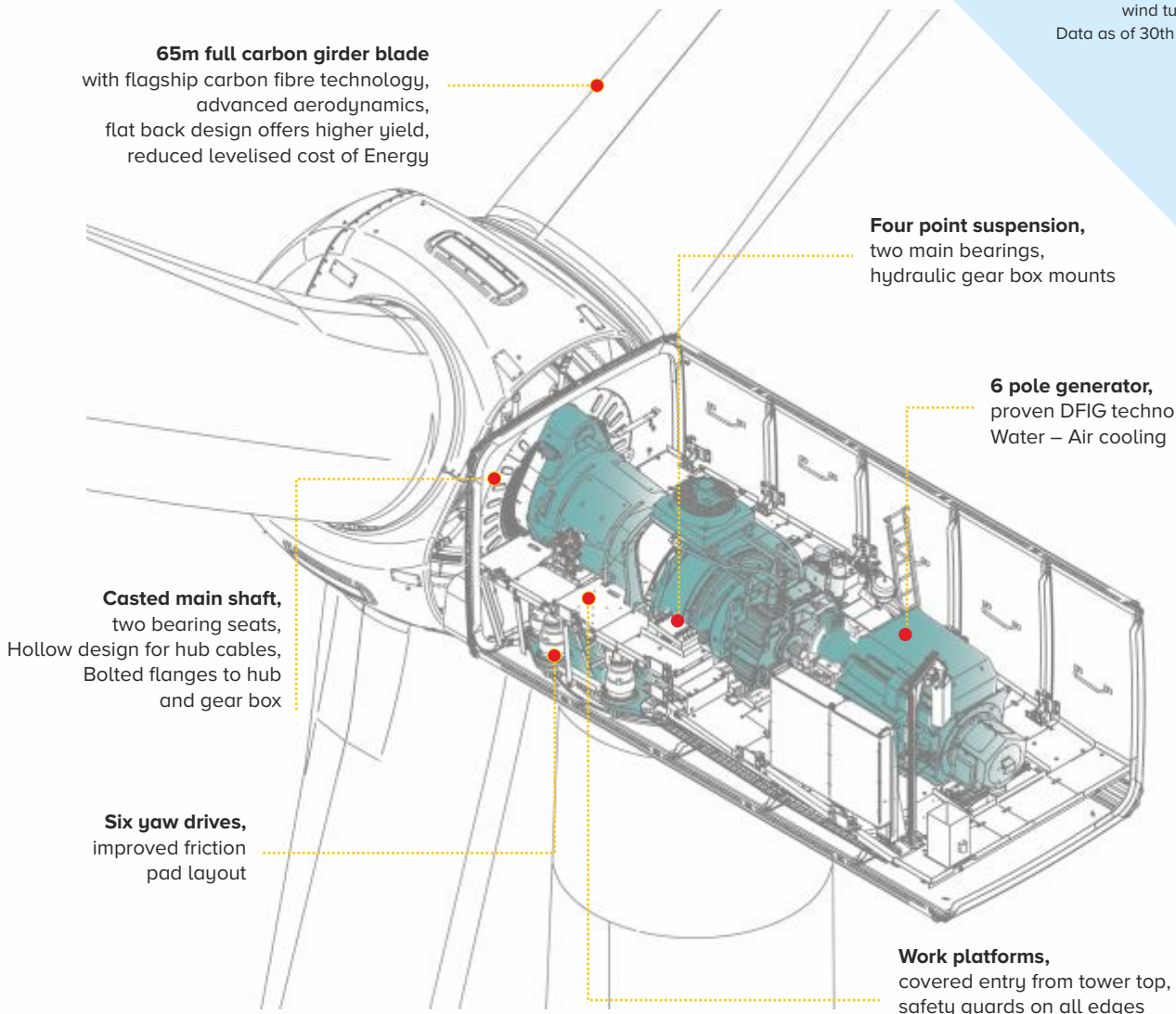
SUZLON
POWERING A GREENER TOMORROW

THE SUZLON GROUP

The Suzlon Group is a leading global renewable energy solutions provider, with approximately 20.9 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 in-house R&D centres in Germany, the Netherlands, Denmark, and India, and world-class manufacturing facilities across India. With 29 years of operational excellence and a diverse workforce of over 7,700 employees, Suzlon is India's No. 1 Renewable Energy Solutions company, managing 15 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.

KEY DESIGN FEATURES

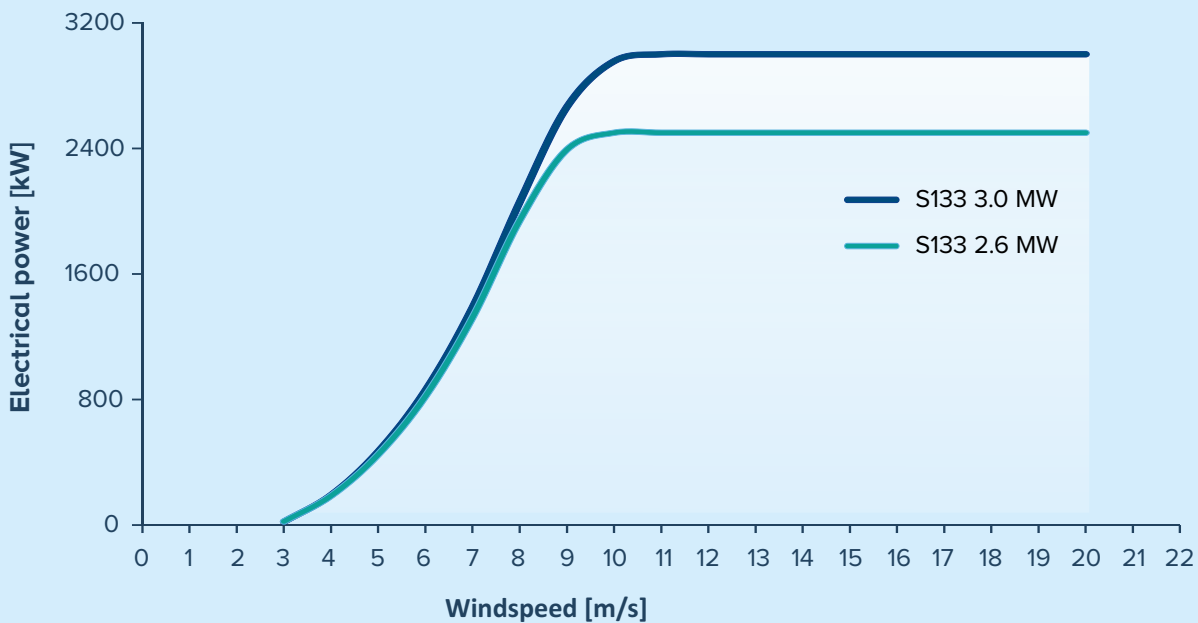
*Global installations of Suzlon manufactured wind turbine generators. Data as of 30th September 2024



THE S133 ADVANTAGE

Suzlon introduced the 3.0 MW platform to unlock unviable sites and deliver improved energy yield suitable for all wind regimes. The S133 is one of India's largest wind turbine generators (WTG). This platform is extendable up to 3.0 MW depending on the site wind conditions. The prototype of S133-105m was set up in August 2019. These products are available in 2.6 MW to 3.0 MW variants and offer up to 160 meters hub heights. It delivers a 25-30% higher generation over the S120. The same has been confirmed in successful measurement and validation campaigns over the last years. The S133 with a 160 meter tower is commercially operating successfully as part of the Initial fleet since June 2022. The product range is validated and certified according to latest India Grid Code requirements.

POWER CURVE



TECHNICAL SPECIFICATIONS



OPERATING DATA:

Wind class - IEC S
Rated power - 2.6 MW to 3.00 MW
Cut-in wind speed - 3.0m/s
Rated wind speed - 9.5 - 10m/s
Cut-out wind speed - 20m/s



ROTOR:

Rotor diameter - 133m
Swept area - 13,070m²



GENERATOR:

Frequency - 50Hz
Proven DFIG technology
Water – Air cooling



TOWER:

Hub heights - Up to 160m
Type - Modular Hybrid
Lattice Tower



BLADE:

Make - Suzlon SB65
(Carbon girder, Flatback
and metal root inserts)

* The 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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