



S133

2.6 to 3 MW
Platform

SUZLON
POWERING A GREENER TOMORROW

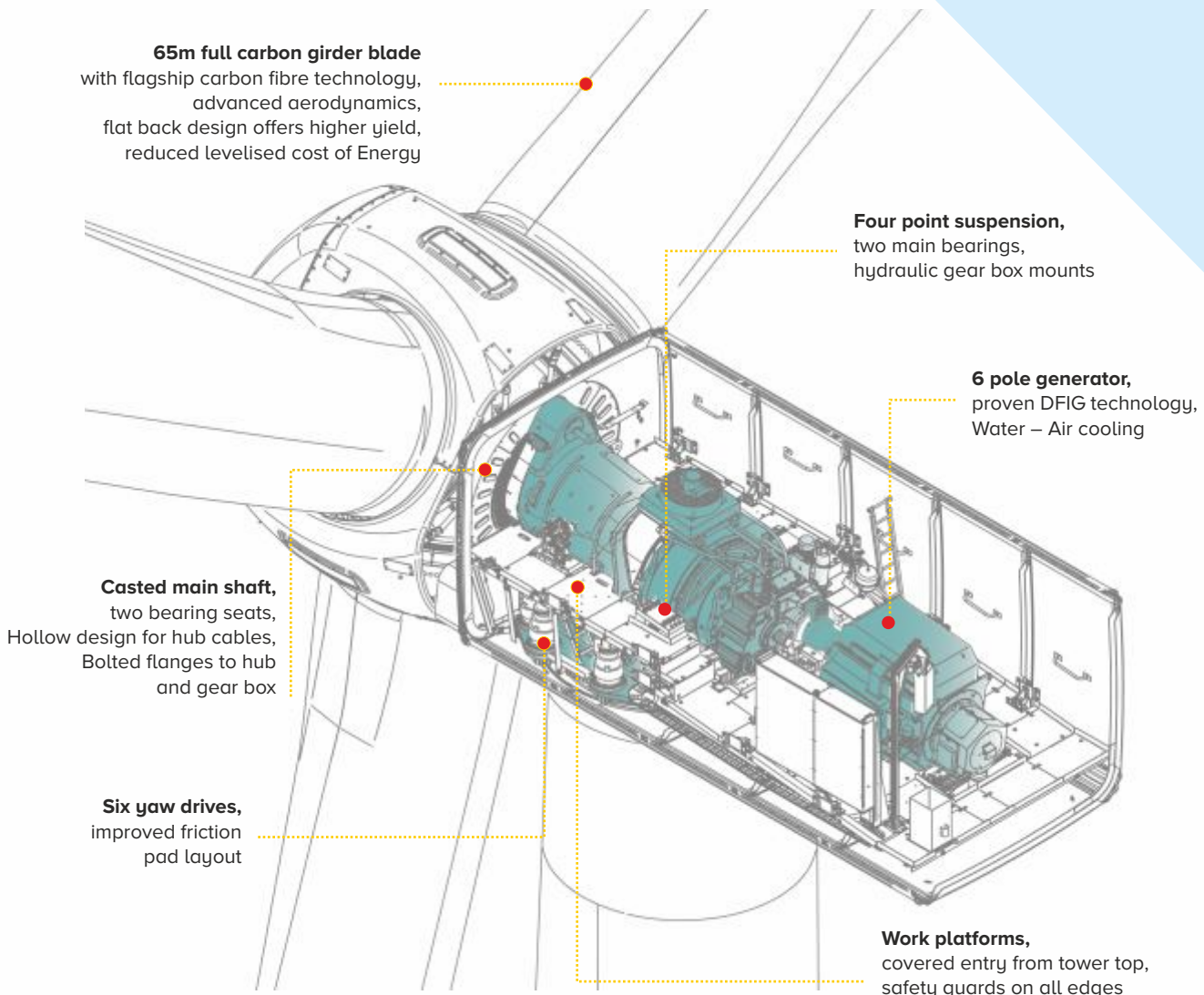
THE SUZLON GROUP

The Suzlon Group is one of the leading renewable energy solutions providers in the world with more than 20 GW of wind energy capacity installed across 17 countries.

Headquartered at Suzlon One Earth in Pune, India. A vertically integrated organisation, with in-house research and development (R&D) centers in Germany, the Netherlands, Denmark and India, Suzlon's world-class manufacturing facilities are spread across 14 locations in India. With over 28 years of operational track record, the Group has a diverse workforce of nearly 6,000 employees. Suzlon is also India's No. 1 wind energy service company with the largest service portfolio of over 14 GW of wind energy assets. The Group has ~6 GW of installed capacity outside India. The 3 MW Series wind turbine technology platform is the latest addition to its comprehensive product portfolio.

KEY DESIGN FEATURES

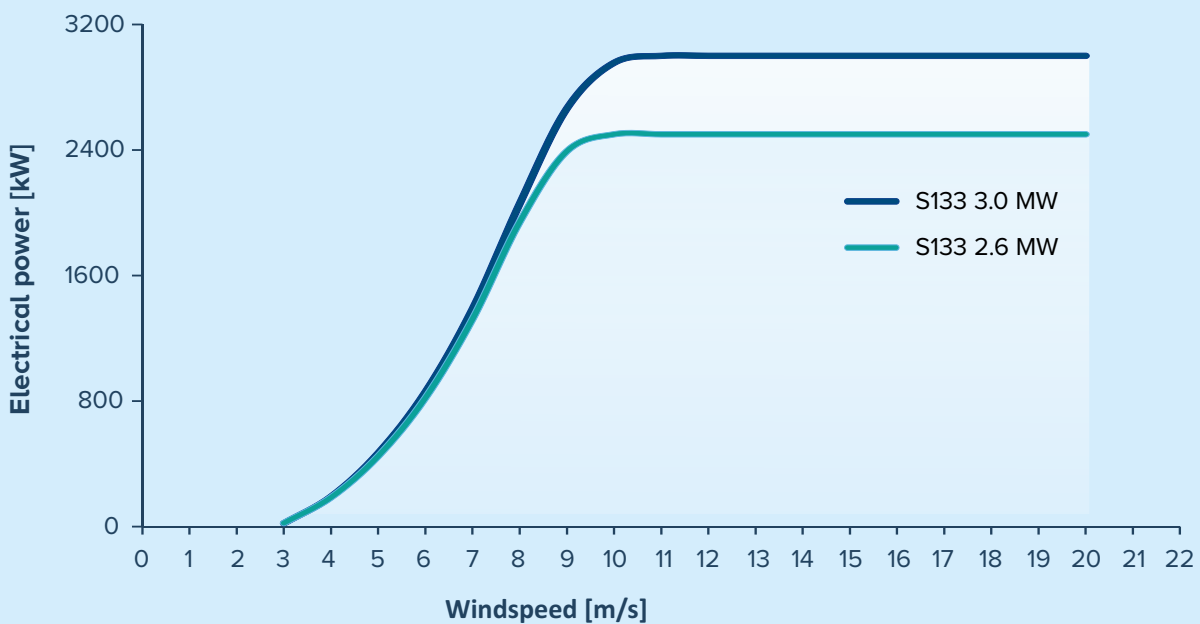
Data as on 30th June 2023.



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



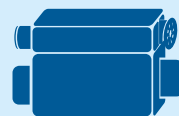
OPERATING DATA:

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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