THE 4.2M160*

OPTIMIZED FOR LOW TO MEDIUM WIND SEGMENT

The Senvion M160 Turbine

Introducing our new 4XM wind turbine platform, which is optimised for higher yields at low-wind sites with hub heights of up to 140 metres. Our innovative design uses off-the-shelf parts from top suppliers and local supply chain integration. With an operating temperature range of -10 to +49.5°C, our platform meets all the grid code requirements for India and other markets. Trust the proven technology of Senvion to power your wind energy investment.

*Under type-testing. Commercially available from 2025

Design Data

Nominal Power (kW)	4200
Cut in wind speed (m/s)	3.0
Cut out wind speed (m/s)	20.0
Nominal wind speed (m/s)	11.0
Operating Temperature range (°C)	-10 to +49.5
Survival Temperature range (°C)	-20 to +50

Rotor

Diameter (m)	160.0
Rotor Area (m^2)	20,108
Power Control	Electrical pitch system

Certification

Wind Class	IEC S III C
Type Testing	IEC61400-22/IECRE OD 501

Tower

Type	Tubular steel tower
Height	140m

Electrical System

Nominal Frequency (Hz)	50
Converter Type	Partial converter DFIG
Generator	Double-fed induction generator (DFIG)
Generator protection class	IP 54

Rotor Blade

Length (m)	78.5
Profile Type	ReT 78.5
Material	GFRP

Power Curve