

# 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 <sup>2</sup> ]	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

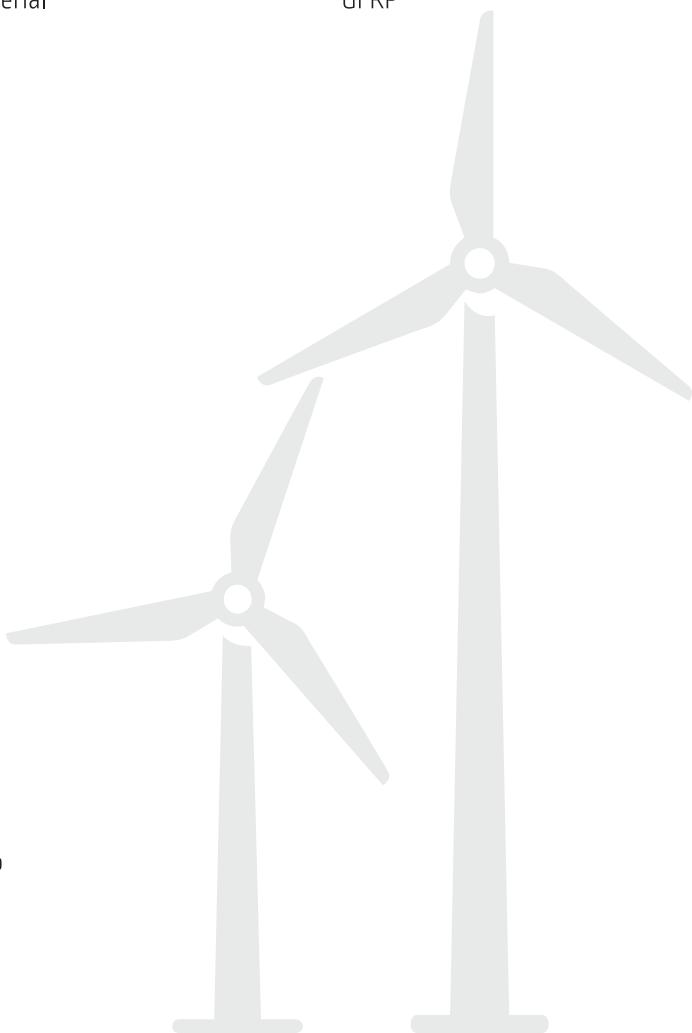
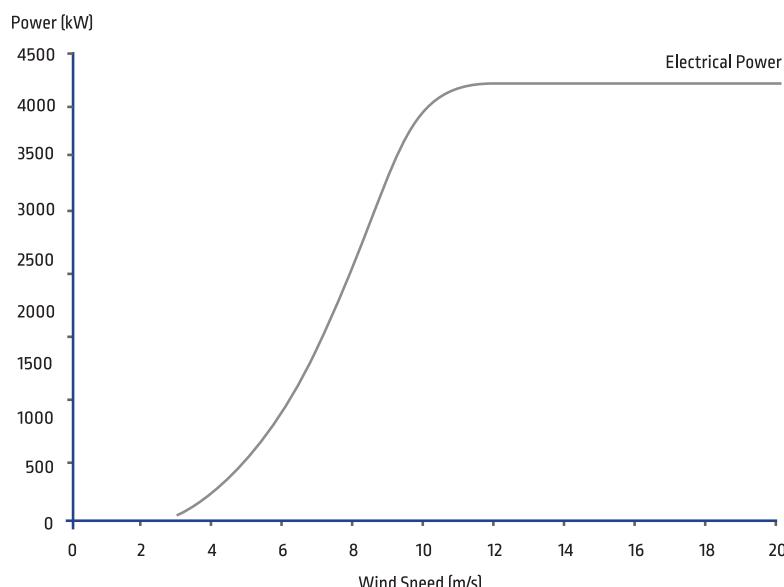
## Electrical System

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





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We make wind perform.



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