

# THE 3.1M130\*

## OPTIMISED FOR LOW AND MEDIUM WIND SITES



## The Senvion 3.XM Series

Our new 3MW+ series wind turbine generator with a hub height of 130m has been optimized for higher yields at medium – low wind site. With an operating temperature range of upto 49 °C, it can also be operated in tropical climates. The supply chain is localized. The 3.XM series is fully compliant with Indian grid code requirement

\*Under type-testing. Commercially available only in India

## Design Data

Nominal Power [kW]	3100
Cut in wind speed [m/s]	3.0
Cut out wind speed [m/s]	20.0
Nominal wind speed [m/s]	13.0
Operating Temperature range [°C]	0 to 49
Survival Temperature range [°C]	-20 to 50

## Rotor

Diameter [m]	120.0
Rotor Area [m <sup>2</sup> ]	11,310
Power Control	Electrical pitch system

## Certification

Wind Class	IEC S
Type Testing	IEC 61400-22

## Tower

Type	Tubular steel tower
Height	140m

## Electrical System

Nominal Power[Hz]	50
Converter Type	Full power conversion with IGBT
Generator	Electrically excited synchronous generator.
Generator protection class	IP 54

## Rotor Blade

Length [m]	58.7
Profile Type	LM 58.7
Material	GFRP

## Power Curve

