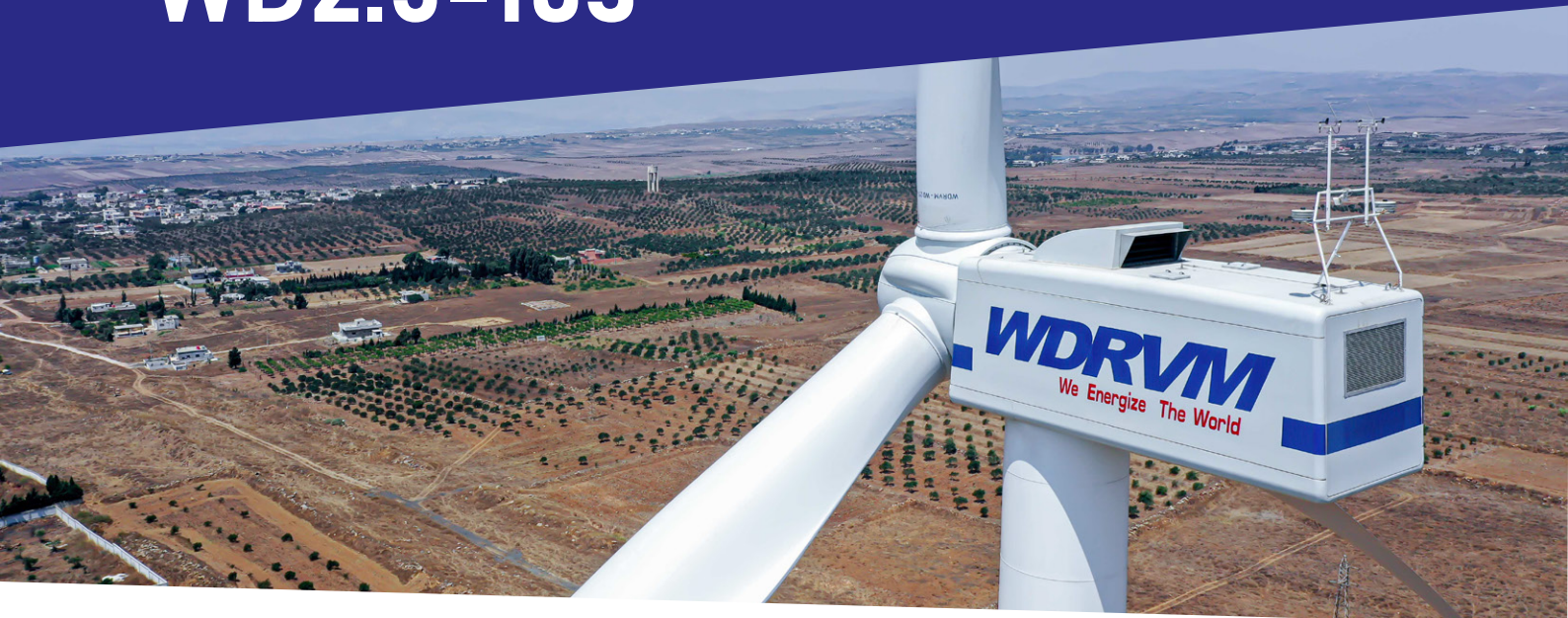


# WD2.5-103™



## The WD2.5-103™ at a glance

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The WD2.5-103™ is an onshore wind turbine available in different versions, and wind class,

With different rotor diameters as well as towers with multiple hub heights for an optimum energy yield at every site.

Different climate versions of the WD2.5-103™ for hot, normal and cold climates in combination with our smart sandstorm protection features ensure reliable operation in all climate zones worldwide.

Together with two alternative generator systems (DFIG, PMSG) available, the turbine can be adapted to all market requirements.

The WD2.5-103™ drive train utilises a zero-play double rotor shaft bearing arranged of one double-row tapered roller bearing and one cylindrical roller bearing in one single bearing housing.

Together with a hydraulic gearbox support this bearing arrangement protects the gearbox from high loads which increase the reliability of the gearbox and other drive train components.

# WD2.5-103™



## Technical data

### Design Data

Nominal power (kw)	2500
Cut-in wind speed (m/s)	3.0
Cut-out wind speed (m/s)	25.0
Operating temperature range(°C)	-30 to +50*

\*Subject to different temperature option

### Rotor Blade

Length (m)	50.3
Type	GFRP

### Tower

Length (m)	70 - 90
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### Rotor

Diameter (m)	103.0
Rotor area (m <sup>2</sup> )	8328
Power control	Electrical Pitch System

### Gearbox

Type	2 Planetary + 1 Helical Spur Gear
Support	Elastomeric Hydraulic Bearing

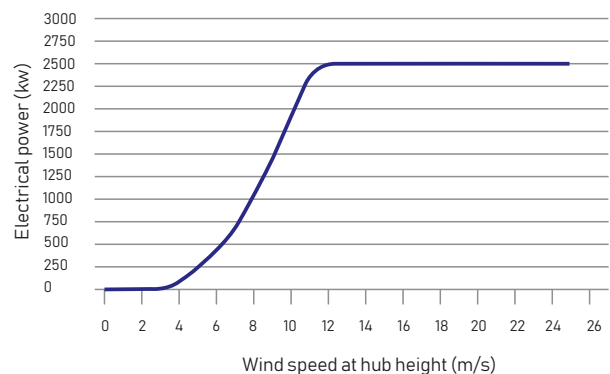
### Electrical System

Nominal Frequency (Hz)	50/60
Converter type	Compact water-cooled converter
Generator	PMSG / DFIG
Generator protection class	IP 54

### Sound Power

Max.sound power level (dB(A))	105.0
Sound management	Various

### Power Curve



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