

The Siemens logo is displayed in a white box in the top left corner of the page. The background of the entire page is a photograph of three wind turbines at sunset, with a silhouette of a person with arms raised in the foreground.

Wind Turbine SWT-2.5-120

Technical specifications

Product Name: SWT-2.5-120
Application: Onshore
Technology: Geared drive
Wind Class: IIS

Operating data

Rated power	2.5 MW
Cut-in wind speed	3 m/s
Cut-out wind speed	22 m/s
Nominal power at	11-12 m/s
Operating (range) rotational speed	5.5-13.1 m
Wind class	IEC IIS

Power regulation

Power regulation	Pitch regulation with variable speed
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Sound power

Sound power	Alternative noise modes available dependent on site and country
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Rotor

Diameter	120 m
Swept area	11,310 m ²
Blade length	59 m
Max. chord	3.8 m

Aerodynamic brake

Type	Full span pitching
Activation	Active, hydraulic

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Generator

Type	Asynchronous
Voltage	690 V
Frequency	50 Hz and 60 Hz

Mechanical brake

Type	Hydraulic disc brake
Position	Gearbox high speed shaft

Controller

Type	Microprocessor
SCADA system	WPS

Lightning protection

Lightning protection	In compliance with IEC 61400-24
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Tower

Type	Tubular steel tower
Hub height	85.1 m

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