



# G90-2.0 MW

## Technical specifications

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## General details

Rated power	2.0 MW <sup>(1)</sup>
Wind class	IEC IA
Control	Pitch and variable speed
Standard operating temperature	Range from -20°C to 30°C <sup>(2)</sup>

## Rotor

Diameter	90 m
Swept area	6,362 m <sup>2</sup>
Power density	314.4 W/m <sup>2</sup>

## Blades

Length	44 m
Airfoils	Gamesa
Material	Fiberglass reinforced with polyester resin

## Tower

Type	Tubular steel tower
Height	55, 78 and 90 m

## Gearbox

Type	1 planetary stage 2 parallel stages
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## Generator

Type	Doubly-fed induction machine
Voltage	690 V AC
Frequency	50 Hz/60 Hz
Protection class	IP 54
Power factor	0.95 CAP-0.95 IND throughout the power range <sup>(3)</sup>

<sup>(1)</sup> 2.1 MW nominal power upgrade available depending on the site.

<sup>(2)</sup> Different versions and optional kits are available to adapt machinery to high or low temperatures and saline or dusty environments.

<sup>(3)</sup> Power factor at generator output terminals, on low voltage side before transformer input terminals.

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