SG 3.4-132
The 3 MW solution for the French market

SIEMENS Gamesa
RENEWABLE ENERGY

Enhanced LCoE and experience in the 3 MW segment

SG 3.4-132: a wind turbine to ensure enhanced performance with high levels of reliability

Siemens Gamesa, your technology partner

One of the key aspects to Siemens Gamesa's success is the continuous development of advanced products adapted to the business case of every customer. We strive to provide the suitable technological solutions for each project, while driving down the LCoE.

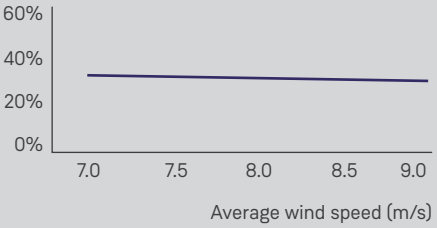
For this reason, we offer a catalog of solutions adapted to every type of site and condition, backed by:

- Our reputation as a stable partner (over 138 GW installed worldwide).
- A track record spanning more than 40 years.
- The recognition of the wind power sector.

Swept area increase

+34%

AEP increase SG 3.4-132 vs. SG 2.6-114



+30%

Enhanced LCoE and experience in the 3 MW segment

The SG 3.4-132 wind turbine is integrated in the portfolio of Siemens Gamesa with a clear objective: to maximize production on heavily constrained sites where our customers require solutions with nominal powers equal or higher than 3 MW with an optimum LCoE.

This multimegawatt turbine, part of the Siemens Gamesa 3.X platform, is a natural evolution of the Siemens Gamesa 2.X product series, one of the most successful in the market, backed by more than 65 GW installed in the 2.0-2.9 MW segment. Thanks to the operative experience accumulated over 40 years in the wind energy market, this solution ensures enhanced performance with high levels of reliability. As a result, the SG 3.4-132 achieved more than 7 GW installed and over 7 GW in firm orders worldwide since 2018, with a performance reflecting the likelihood of our customers to choose this product.

An efficient solution for the French projects

Beyond the traditional off-the-shelf approach, which results in products that are in many cases sub-optimal at sites, the SG 3.4-132 is able to deliver a flexible power rating from 3.0 to 3.65 MW, a uniquely tailored solution that is perfect for our customers' specific needs. This makes it an efficient and cost-effective solution for a wide range of projects. This model also has an extensive portfolio of towers with heights ranging from 84 to 134 meters, which enables it to comply with the different maximum blade tip height restrictions in the market.

DinoTails® Next Generation: higher energy yield at low noise emission level

With a 64.5-meter fiberglass blade, the SG 3.4-132 model guarantees both high energy production and low noise emission levels thanks to the DinoTails® Next Generation serrated trailing edges which limit the sound power level to a maximum of 104 decibels.

Siemens Gamesa incorporates geared technology into this model, such as the combination of a three-stage gearbox and a doubly-fed induction generator.

Technical specifications

General details	
Rated power	3.465 MW
Wind class	IEC IIA
Flexible power rating	3.0-3.65 MW
Control	Pitch and variable speed
Noise level [1]	104.0 dBA
Standard operating temperature	Range from -20ºC to 30ºC [2]
Rotor	
Diameter	132 m
Swept area	13,685 m^2
Power density	253.20 W/m^2
Blades	
Length	64.5 m
Airfoils	Siemens Gamesa
Material	Fiberglass reinforced with epoxy or polyester resin
Tower	
Type	Multiple technologies available
Height	84, 97, 101.5, 114, 134 m and site-specific
Gearbox	
Type	3 stages
Generator	
Type	Doubly-fed induction machine
Voltage	690 V AC
Frequency	50 Hz/60 Hz
Protection class	IP 54
Power factor	0.925 CAP-0.925 IND throughout the power range [3]

[1] Including DinoTails® Next Generation.
[2] Different versions and optional kits are available to adapt machinery to high or low temperatures and saline or dusty environments.
[3] Power factor at generator output terminals, on low voltage side before transformer input terminals.

Spain
P. Tecnológico de Bizkaia, edif. 222
48170 Zamudio, Vizcaya

Calle Ramírez de Arellano, 37
28043 Madrid

Avda. Ciudad de la Innovación, 9-11
31621 Sarriguren, Navarra

Australia
Level 3, Botanicca 3
570 Swan Street, Burnley
Melbourne, 3121

Austria
Siemensstrasse 90
Vienna 1210

Brazil
Avenida Rebouças, 3970 - 5º andar
Pinheiros 05.402-918, São Paulo

Canada
1577 North Service Road East
Oakville, Ontario L6H 0H6

Chile
Edificio Territoria El Bosque
Avenida Apoquindo 2827, Piso 19
Las Condes, Santiago de Chile

China
Siemens Center Beijing, 2nd Floor
No.7 South Wangjing Zhonghuan
Road, Chaoyang District
Beijing 100102

8-10F, (Building N3), No. 2, Lane 131
Qiantan Avenue, Pudong New Area
200126 Shanghai

Croatia
Slavonska avenija 1a
(zgrada/building C, 1st floor)
HR-10000 Zagreb, Croatia

Denmark
Borupvej 16, 7330 Brande

Egypt
90th North St - New Cairo
Section no. 1 - 5th Settlement
Building 47, Floor 1, Office 103
11835 New Cairo

Finland
Tarvonsalmenkatu 19
FI-02600 Espoo

France
Immeuble le Colisée
Bâtiment A – 2 ème étage
10 avenue de l'Arche
92419 Courbevoie

97 allée Alexandre Borodine
Cedre 3
69800 Saint Priest

Germany
Beim Strohhause 17-31
20097 Hamburg

Mary-Sommerville-Straße 14
28359 Bremen

Greece
28 Vouliagmenis Ave.
Elliniko
Athens, 16777

India
No. 489, GNT Road
Thandalkazhani Village
Vadagarai PO
Redhills
Chennai 600052

Indonesia
Menara Karya, 28th floor
JL. HR. Rasuna Said Blok X-5
Kav. 1-2
Jakarta

Ireland
Innovation House
DCU Alpha
Old Finglas Road 11
Glasnevin
Dublin 11

Italy
Centro Direzionale Argonauta
Via Ostiense 131/L
Corpo C1 9° piano
00154 Rome

Via Vipiteno 4
20128 Milan

Japan
14F Tokyo Shiodome Building
1-9-1, Higashi Shimbashi
Minato-ku, Tokyo

Mexico
Paseo de la Reforma 505
Torre Mayor, 37th Floor
Col. Cuauhtémoc
Del. Cuauhtémoc
06500 Mexico City

Morocco
Anfa Place Blvd. de la Corniche
Centre d'Affaires "Est", RDC
20200 Casablanca

Netherlands
Prinses Beatrixlaan 800
2595 BN Den Haag

Norway
Østre Aker vei 88
NO-0596 OSLO

Pakistan
No 148/49, 1st F
Luxus Mall, Gulberg Green
Islamabad

Philippines
10th Floor
8767 Paseo de Roxas, Makati

Regus, Eco Tower
Bonifacio City, Manila

Poland
Zupnicza street 11
3rd Floor
03-821 Warsaw

Serbia
Tadije Sondermajera 11
11070 Novi Beograd, Beograd
(zgrada/building AFI, 8tht floor)

Singapore
60 MacPherson Road
Singapore, 348615

South Africa
Siemens Park
300 Janadel Avenue
Halfway House
Midrand 1685

South Korea
Seoul Square 5th Floor 416
Hangang-daero
Jung-gu
Seoul 04637

Sweden
Evenemangsgatan 21
169 79 Solna

United Kingdom
Arena Business Centre
Watchmoor Park
Riverside Way
Camberley, GU15 3YL

United States
11950 Corporate Boulevard
Orlando, FL 32826

Vietnam
14th Floor, Saigon Centre
65 Le Loi street
Ben Nghe ward District 1
Ho Chi Minh City

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comercial_consultas@siemensgamesa.com
www.siemensgamesa.com