



GAMESA 2.5 MW

	G106-2.5 MW	G114-2.5 MW	G126-2.5 MW
ROTOR			
Diameter	106 m	114 m	126 m
Swept area	8,825 m ²	10,207 m ²	12,469 m ²
Rotational speed	7.7 - 14.6 rpm	7.7 - 14.6 rpm	7.1 - 12.9 rpm
BLADES			
Number of blades	3	3	3
Length	52 m	56 m	62 m
Airfoils	Gamesa	Gamesa	Gamesa
Material	Fiberglass reinforced with epoxy or polyester resin	Fiberglass reinforced with epoxy or polyester resin	Fiberglass reinforced with epoxy or polyester resin
TOWER			
Type	Modular	Modular	Modular
Height	72, 80, 93 m and site specific	80, 93, 125 m and site specific	84, 102, 129 m and site specific
GEAR BOX			
Type	2 planetary stages 1 parallel stage	2 planetary stages 1 parallel stage	2 planetary stages 1 parallel stage
Ratio	1:129.7 (50 Hz) 1:103.8 (60 Hz)	1:129.7 (50 Hz) 1:103.8 (60 Hz)	1:98 (50 Hz) 1:118 (60 Hz)
GENERATOR			
Type	Doubly-fed machine	Doubly-fed machine	Doubly-fed machine
Rated power	2.5 MW	2.5 MW	2.5 MW
Voltage	690 V AC	690 V AC	690 V AC
Frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
Protection class	IP 54	IP 54	IP 54
Power factor	0.95 CAP-0.95 IND throughout the power range*	0.95 CAP-0.95 IND throughout the power range*	0.95 CAP-0.95 IND throughout the power range*

* Power factor at generator output terminals, on low voltage side before transformer input terminals.

intelligent evolution