



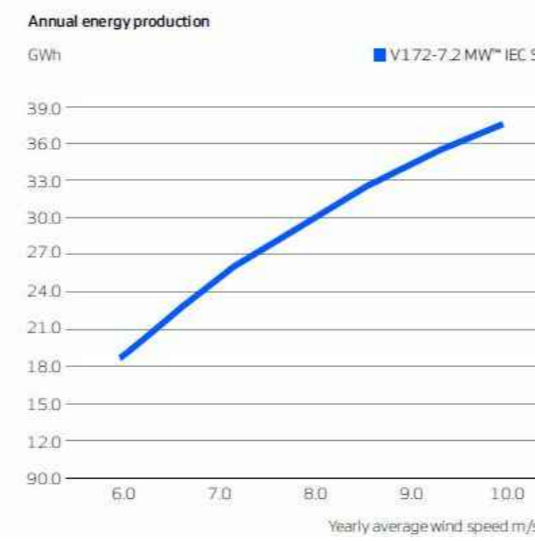
Power regulation	Pitch regulated with variable speed	
Operating data		
Standard rated power	7,200kW	
Cut-in wind speed	3m/s	
Cut-out wind speed*	25m/s	
Wind class	IEC S	
Standard operating temperature range from -20°C to +45°C		
*High Wind Operation available as standard		
Sound power		
Maximum	106.9dB(A)*	
*Sound Optimized Modes available dependent on the wind country		
Rotor		
Rotor diameter	17.2m	
Swept area	23,235m ²	
Aerodynamic brake	full blade feathering with 3 pitch cylinders	
Electrical		
Frequency	50/60Hz	
Converter	full scale	
Gearbox		
Type	two planetary stages	
Tower		
Hub heights*	11.4m (IEC S)**	
	15.0m (IEC S)**	
	16.4m (DIB)	
	1.66m (IEC S)	
	1.75m (DIB)	
	1.99m (DIB)	
*Hub height for tower available on request		
**Optional		

- Turbine options**
- 6.5 MW Operational Mode
 - 6.8 MW Operational Mode
 - Oil Dabris Monitoring System
 - High Temperature Cooler Top
 - Service Personnel Lift
 - Low Temperature Operation to -30°C
 - Vestas Ice Detection™
 - Vestas Anti-Icing System™
 - Vestas Shadow Flicker Control System
 - Aviation Lights
 - Aviation Markings
 - Fire Suppression System
 - Vestas Bat Protection System
 - Lightning Detection System

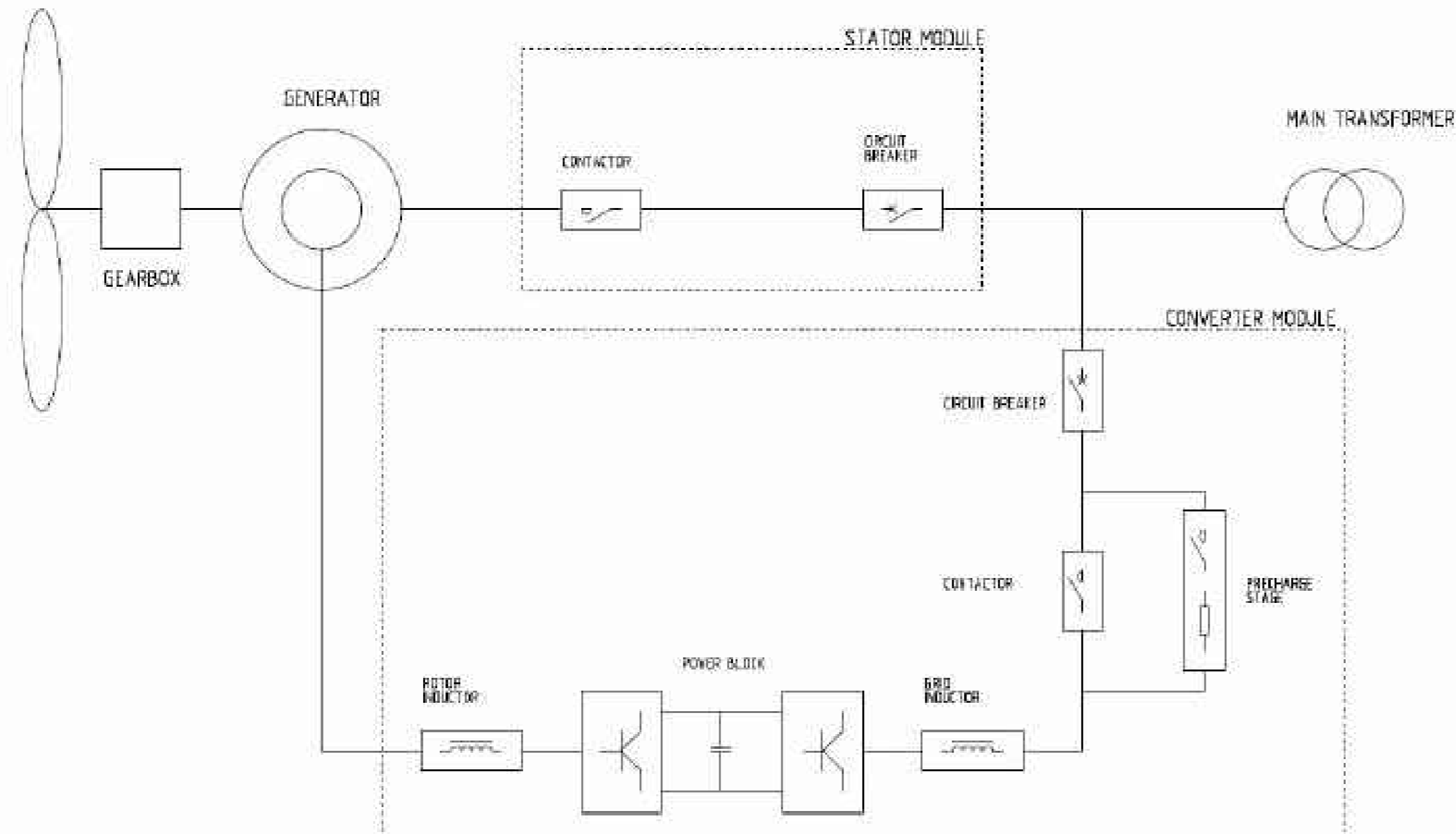
Sustainability

Carbon Footprint	6.4g CO ₂ e/kWh
Return on energy break-even	6.9 months
Lifetime return on energy	34 times
Recyclability rate	86.6%

Configuration: 3.0 (hub height: 15.0m), V172-7.2 MW, IEC S. Metrics are based on Vestas' standard configuration. An alternative Vestas V172-7.2 MW configuration will be made available on request.



Simplified Single Line Diagram



Regione



Calabria

COMUNE DI CENTRACHE



COMUNE DI MONTEPAONE



COMUNE DI PETRIZZI



Provincia di



Catanzaro

PROGETTO DEFINITIVO RELATIVO ALLA REALIZZAZIONE DI UN IMPIANTO EOLICO COSTITUITO DA 5 AEROGENERATORI DA REALIZZARE NEI COMUNI DI CENTRACHE (CZ) E MONTEPAONE (CZ) E RELATIVE OPERE DI CONNESSIONE ALLA R.T.N. RICADENTI NEL COMUNE DI PETRIZZI (CZ)

SCHEMI FUNZIONALI DEI SINGOLI AEROGENERATORI

ELABORATO

A.16.b.3

PROPONENTE:



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Ing. Alessandro Antezza

Il DIRETTORE TECNICO
Ing. Orazio Tricarico

CONSULENZA:



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piazza V. Emanuele II n.14
Ceva (CN) 12073



0	DIC 2022	B.B.	A.A. - O.T.	A.A. - O.T.	Progetto Definitivo
EM./REV.	DATA	REDATTO	VERIFICATO	APPROVATO	DESCRIZIONE