

TECHNICAL DATA SHEET

	Offshore
Turbine type	XD115
Rated power [MW]	5

Operational data	
Cut-in wind speed [m/s]	4
Cut-out wind speed [m/s]	25
Rated wind speed [m/s]	14
Designed for wind class (According to IEC 61400-1)	IC
Noise at hub height [dBA]	112

Rotor	
Diameter [m]	115
Speed [rpm]	Variable (Nominal: 18)
Power regulation	Full span pitch
Tilt angle [°]	6
Blade material	Glass fiber reinforced epoxy

Generator	
Type	Synchronous Permanent magnet Direct drive
Cooling	Dehumidified forced air
Main bearing	Single main bearing Multiple row, cylindrical roller bearing

Converter	
Type	Voltage source inverter
Voltage [V]	3000
Grid coupling	AC-DC-AC

Tower	
Material	Steel tubular
Hub height [m]	80 to 140 (project dependent)

Masses [ton]	
Rotor (hub + blades)	97
Generator	137
Nacelle	47
Total top mass	281

