

TECHNICAL DATA SHEET

	Onshore
Turbine type	XE93
Rated power [MW]	2

Operational data	
Cut-in wind speed [m/s]	3
Cut-out wind speed [m/s]	25
Rated wind speed [m/s]	11
Designed for wind class (According to IEC 61400-1)	IIIA – IIB

Rotor	
Diameter [m]	93.4
Speed [rpm]	Variable (Nominal: 17)
Power regulation	Full span pitch
Tilt angle [°]	6
Blade material	Glass fiber reinforced epoxy

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

Converter	
Type	Voltage source inverter
Voltage [V]	690
Grid coupling	AC-DC-AC

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

Masses [ton]	
Rotor (hub + blades)	47,5
Generator	66
Nacelle	18,5
Total top mass	132

