

XEMC DARWIND

TECHNICAL DATA SHEET

	Onshore
Turbine type	XD140
Rated power [MW]	4

Operational data	
Cut-in wind speed [m/s]	3
Cut-out wind speed [m/s]	25
Rated wind speed [m/s]	10,5
Designed for wind class (According to IEC 61400-1)	IIA
Noise at hub height [dBA]	106

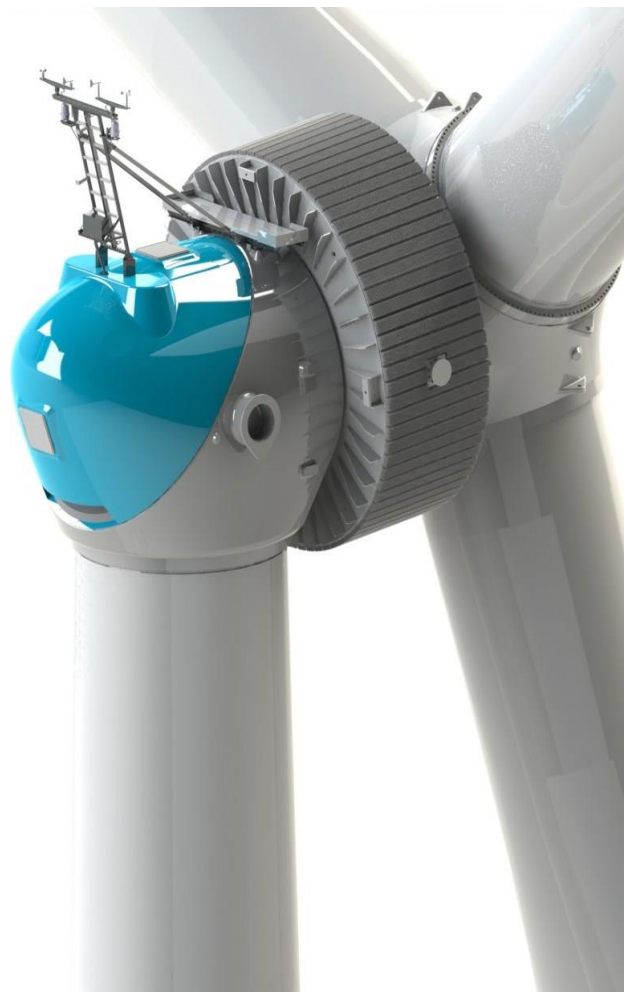
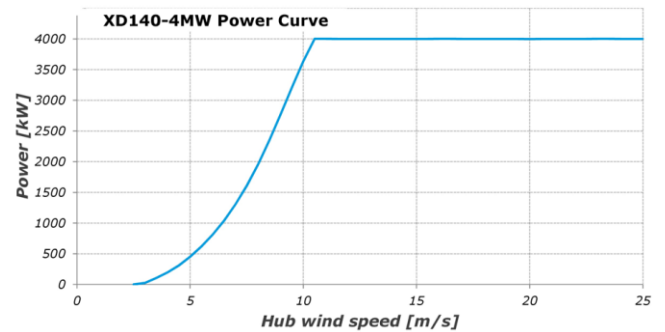
Rotor	
Diameter [m]	140
Speed [rpm]	Variable (Nominal: 11)
Power regulation	Individual pitch
Tilt angle [°]	6
Blade material	Glass fiber reinforced epoxy

Generator	
Type	Synchronous Permanent magnet Direct drive
Cooling	Forced 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 tubular / Hybrid
Hub height [m]	100 to 140 (project dependent)

Masses [ton] (estimates)	
Rotor (hub + blades)	110
Generator	140
Nacelle	48
Total top mass	299



Datasheet

XD140-4MW

DARWIND