

INOX WIND - MODEL WT 2000 DF	
OPERATING DATA	
Rated power	2000 kW
Cut-in wind speed	3 m/s
Rated wind speed	≤11.5m/s
Cut-out wind speed	20 m/s
Survival Wind Speed	52.5 m/sec
Hub height	80 Meters
Type Class	TC IIIB
Rotor Speed	15.9 RPM
Operational mode	Variable speed
Design Standards	Germanischer Lloyd
ROTOR	
Pitch system	Pitch Control- Electrical; Variable Speed Inverters; Power back up with Ultra Capacitor
Diameter	93.3 Meters
Swept area	6785 Sq Meters
Blade material type	Epoxy Glass Fibre
GENERATOR	
Type	Double fed Induction Generator
Rated power	2000 kW
Rated voltage	690 V AC, 3 Phase
Frequency	50 Hz
Cooling system	Water Cooled

Insulation	Class H
BRAKING SYSTEM	
Aerodynamic brake	Full span independent blade Pitching
Mechanical brake	Disc Brakes
DRIVE TRAIN	
Drive Train	Patented integral drive train with rotor shaft and drive train as single unit
Rated Drive Torque	1280 kNm
Maximum Static Torque	2235 kNm
Type of Gearing	Two Planetary and One Parallel shaft gear
Transmission Ratio	$I \approx 114.7$
Gear Lubrication	Forced Lubrication
Connection gear / generator	Flexible Coupling
YAW SYSTEM	
Type	Driven by 4 gear Motors
Bearings	Slide Bearings
TOWER	
Type	Conical Tubular Steel Tower
Tower Height	78 Meters
Corrosion protection	Protective Paint