

Specifications – WTC 100

ROTOR

- 2 Blade, Flapping Hinge, Downwind Orientation
- Full-span, Individual Blade Pitch Control using Electric Servo Motor Drives
- Rotor Diameter with both Blades at zero flap angle is 26 meters
- Rated Power is 100 kW electrical output
- Rated Power wind speed is 11 m/s for standard air density
- Cut-in wind speed is 2.5 m/s, cut-out wind speed is 20 m/s

CONTROL SYSTEM

- Operating Control and Turbine System Health Monitoring by industrial computer
- Independent Safety System for emergency Blade Pitch to Shut-Down
- Rotor Lock can be engaged regardless of Rotor position and with Brake applied

DRIVE TRAIN

- Single Speed Induction Generator with Power Factor Correction Capacitors
- Non- contact, zero maintenance Shaft Seals
- Minimum maintenance low speed Brake acts directly on Rotor Shaft

TOWER

- Free standing tubular tower
- Optional tower height ranging to 50 meters
- External Ladder

NACELLE

- Nacelle Enclosure provides weather protected work environment
- Easy Access to Spinner from Nacelle Enclosure
- Jib Boom Hoist for component service

WTC 100 Power Curve (sealevel)

