

General Specifications

WINDMATIC 17S



Rotor:

Diameter: 17m
Rotational Speed: 40-41RPM / 57-58RPM
Rotational Direction: CounterClockwise
Orientation: Upwind
Number of Blades: 3
Aerodynamic Brakes: Centrifugal Force

Blades:

Material: Glass fibre reinforced polyester
Airfoil: NACA 63-200
Length: 8.20m

Tower:

Type: Lattice—Height: 80ft (w/o the avail 40' extension or tubular tower)
Surface: Hot galvanized

Generator:

Type: Asynchronous Squirrel Cage Type
Rating: 20.5kW/ 95kW
Voltage: 480V
Frequency: 60Hz

Gearbox:

Type: 3 stage reduction parallel shafts
Gear Ratio: 1:20.73

Yawing System:

Type: Active Yaw
Control: Wind Vane (electronic)
Yawing Speed: 0.8 degrees/second

Operational Data:

Cut in wind speed: 3.5 m/s
Rated wind speed: 15 m/s
Cut out wind speed: 25 m/s
Survival Wind Speed: 50 m/s

Cedar Creek Energy
11375 Robinson Drive Suite 115
Coon Rapids, MN 55433

Toll Free: 800-834-3378
www.cedarcreekenergy.com

