

QUALITY U.S. MADE WIND SYSTEMS SINCE 1986

WIND TURBINE INDUSTRIES CORP.

www.windturbine.net





Rated Output	20,000 watts 7.5 mph		
Cut-In Wind Speed (mph)			
Rated Wind Speed (mph)	26		
Rated Rotor Speed (rpm)	175		
Survival Wind Speed	120 mph		
System height (ft.)	9 feet		

## **Turbine Rotor:**

Number of Blades	3	
Orientation	Upwind	
Axis (nominal)	Horizontal	
Rotation	Counter Clockwise	
Blade Material	Fiberglass	
Rotor Diameter (ft.)	31	
Swept Area (ft.)	755	
Speed Control	Centrifugal variable pitch governor (25 - 30 mph)	
	2. Side furling (40 - 45 mph)	
Yaw Control	Passive Tailvane	

## Generator:

	Brushless, Synchrous, Three
Туре	phase AC with outbound
	exciter.

## Transmission:

Туре	Offset Hypoid Gear Drive
Ratio	1:6.1

## Inverter:

Nexus Nex 20	UL1741 certified inverter

Freestanding towers available (80' - 140')

The Jacobs Wind Energy Systems have been providing customers with quality reliable electricity since the dawn of wind powered electric generation. Beginning as a smaller DC battery charging system in the late 1920's produced by Jacobs Wind Electric, the Jacobs brand has been electrifying rural areas ever since.

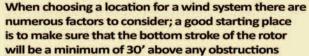
Known as "The Cadillac of Wind" The Jacobs Wind Energy System has been one of the most frequently copied but never duplicated turbines on the market. The current configuration of the Jacobs system started in the late 1970's as a 10kw unit and quickly evolved into the 20Kw unit (31-20) now offered by Wind Turbine Industries Corporation.

In 1986 WTIC assumed the responsibilities of production and distribution for this historic brand and has continually been innovating and improving the design.



Typical Annual		Average Annual Wind Speed @ Hub Height			
Pr	oduc	tion in Kwh	9mph	11mph	13mph
otion	Good	Good "mostly clear" of obstructions	10,700	20,000	31,500
n Description	Average	Some Ground Clutter Scattered Trees and Buildings	10,100	18,800	29,600
Terrain	Poor	Many Trees and Buildings, Lower elevation than surroundings.	9,500	17,600	27,800

numerous factors to consider; a good starting place is to make sure that the bottom stroke of the rotor will be a minimum of 30' above any obstructions in all directions for 500' feet.



www.windturbine.net

or contact us at: wtic@windturbine.net

For more information about products

from WTIC please visit our website -

(952) 447 - 6064

