

# SOUTHWEST WINDPOWER

## AIR 403

### Simple to use

- ❑ Automatic regulation and operation
- ❑ As convenient as a solar panel
- ❑ Can be installed in a few hours
- ❑ Only two moving parts
- ❑ Requires no maintenance
- ❑ Only 5,85 kg

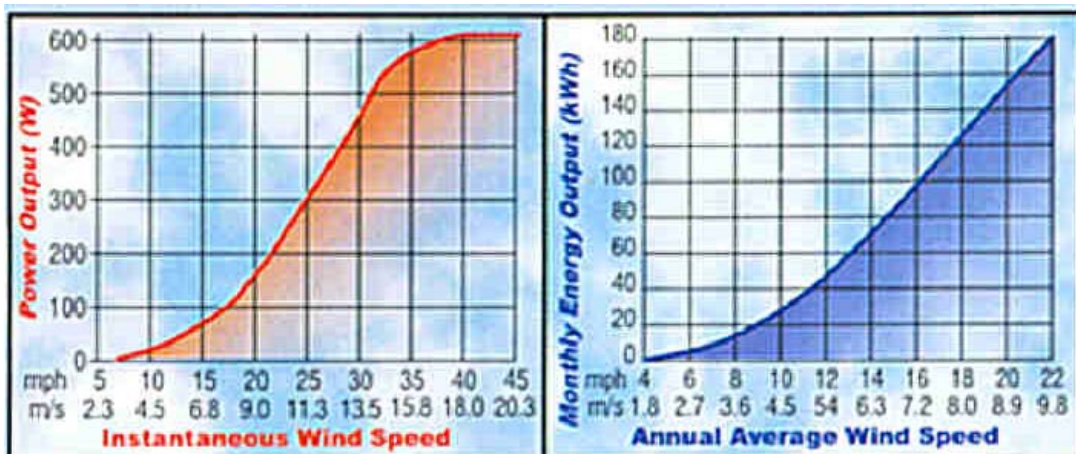


### FEATURES

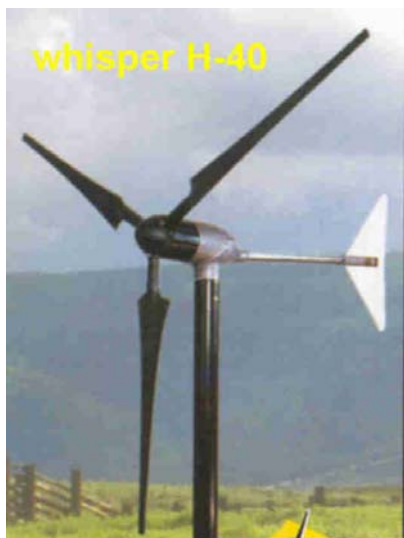
- ❑ Exclusive new autobrake slows the blades to a silent spin
- ❑ Electronics are directly heat-sunk to the body casting for increased reliability and output
- ❑ Brushless permanent magnet alternator
- ❑ High quality aluminum body castings
- ❑ Variable pitch aerolastic carbon fiber blades
- ❑ Maintenance free only two moving parts
- ❑ Best cost per watt value of any wind turbine

### Specifications

Rotor diameter:	1,15 meter
Weight:	5,85 kg
Mount:	pipe external d=48mm
Start up wind:	7 mph (2,7 m/sec)
Voltage:	12, 24, 48 volt DC
Rated output:	400 watts at 28 mph (12,5 m/sec)



# Whisper windturbines



## WHISPER H-40 FOR MODERATE TO HIGH WINDS!

Designed for outstanding performance in medium and high wind, (12 mph average and above), the Whisper H-40 is the economical solution. With a smaller blade and swept area, the rugged H40 is the option for sustained high winds. In a 12 mpg average wind (5,4 m/sec) the H-40 delivers 100 kwh per month to your batteries.



## WHISPER H-80 FOR LOW TO MODERATE WINDS!

To get the most out low to moderate wind speeds (up to 12 mph), the Whisper H-80 is the turbine of choice. Featuring a ten-foot (3 m) rotor diameter, the H-80 will deliver twice the power in marginal wind areas tha the H-40. In a 12 mph average wind (5,4 m/sec), expect 200 kwh per month to your batteries.

## Features

- ❑ Permanent magnet brushless alternator
- ❑ CE compliant
- ❑ Cast aluminum housing
- ❑ 3 blade design
- ❑ Blade material: Injection-molded fiber reinforced

## EZ-wire II charge controller

The H40 and H80 comes standard with the intelligent EZ-wire I, in 24, 36 and 48 volt models. The dedicated wind-only EZ-wire II is a SCR –based shunt type controller housed in a single unit.

## Features of EZ-wire II controller



- ❑ Individually rectified phases
- ❑ Battery/turbine shunt isolation during regulation
- ❑ Bright LED lights indicate regulation operation
- ❑ Quiet diversion-powered fan
- ❑ Large heat sink for efficient temperature dissipation
- ❑ Easy access block connectors for turbine and battery wires
- ❑ Compatible with any programmable inverter

## Patented Angle Governor

Exclusive to the **Whisper**, the side furling Angle Governor protects the turbine in high winds by



turning the alternator and blades out of the wind, reducing its exposure. Unlike other wind turbines that lose as much as 80% of their output when furled, the Angle Governor allows the **Whisper** to achieve maximum output in any wind.

## SPECIFICATIONS

	H- 40	H- 80
Rotor diameter:	2,10 meter	3,0 meter
Weight:	21 kgr	30 kgr
Pipe mount:	Pipe internal d=63mm	Pipe internal d=63 mm
Start-up wind speed:	3,4 m/sec	3,1 m/sec
Voltage:	24, 36, 48 volt	24,36,48 volt
Peak power	900 watt @ 28mph (12,5m/sec)	1000 watts @ 26 mph (11,6 m/sec)

