## Wind Generator

The D400 is a direct-drive wind generator, designed for a variety of marine and terrestrial applications. It is exceptionally quiet and vibration-free in operation. The D400 features a powerful 3-phase alternator, and computer-designed rotor blades optimised for low speed, user-friendly operation.

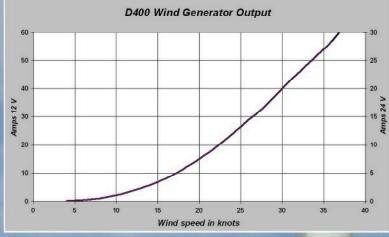
This innovative machine is extremely efficient in low wind speeds, yet is capable of sustained power outputs of over 500 watts in higher winds. Distinctive and elegant in design, the D400 is superbly engineered for long, trouble-free service.

## Features of the D400:

- \* Ideal for mounting on buildings or boats
- \* Virtually silent and vibration free in operation
- \* Highly efficient and productive at all wind speeds
- \* Low maintenance 'fit and forget' engineering
- \* Attractive, visually pleasing design
- \* Robustly constructed for a long service life
- \* Corrosion-resistant materials used throughout
- \* Flexible mount tower options
- \* Available in black or white



- \* Rated output: 235W at 11 m/s (22 kts.) 420W at 14 m/s (28 kts.)
- \* 12,24,48 volt available
- \* Rotor 1.1m. diameter
- \* Turning circle 700mm
- \* Weight 17 kg



For sales and enquiries contact:

Eclectic Energy Ltd, Unit 22 Sherwood Networkcentre
Sherwood Energy Village, Ollerton
Nottinghamshire, NG22 9FD United Kingdom
Tel: +44 (0)1623 835400 Fax: +44 (0)1623 860617
sales@eclectic-energy.co.uk



www.D400.co.uk

D400 Wind Tu	rhine Specifications
	235 W @ 11 m/s (22 knots), 420 W @ 14 m/s (28 knots)
1	600 + W
<u> </u>	
	1100 rpm @ 14 m/s
	2.5 m/s (5 knots)
	None
	Horizontal axis upwind
	5
, i	Low Reynolds – variable camber
	1.1 m
	0.95 sq. m
Tip speed ratio	4
Typical noise level	2 – 6 dbA over background
Blade material	Glass-filled nylon
Alternator type	Direct drive – axial field
Design  Voltages available  Materials	12 pole permanent magnet generator
	3-phase AC with rectification
	Outputs direct current (DC)
	Annular high energy magnet rotors
	Encapsulated stator windings
	DC: 12 V, 24 V, 48 V, 72 V
	AC: 240 V grid connect via inverter
	Aluminium alloy housing, hermetically sealed
	Alocrom 1200 corrosion protection and polyester powder
	coat
EMI (electromagnetic emissions)  Control system	316 stainless steel shafts and A4 stainless fasteners
	C.E. Compliant
	Stall regulation
-	Electromagnetic braking switch
Yaw system Passive	Low resonance, formed aluminium tail
	Heavy duty slip ring assembly with saddle spring loaded
	output brushes
	700 mm
Ť	50 mm – 75 mm O/D
	17 kg
	White with white blades
Finish Colours available	Black with translucent blades
	Blade material Alternator type  Design  Voltages available  Materials  EMI (electromagnetic emissions) Control system Brake system

