D400 has evolved!

Introducing the new D400 Lite from Eclectic Energy

D400 LITE

- Same great performance
- Same rugged engineering
- Same smooth quiet operation
- Same long service life
- 4 kg lighter!

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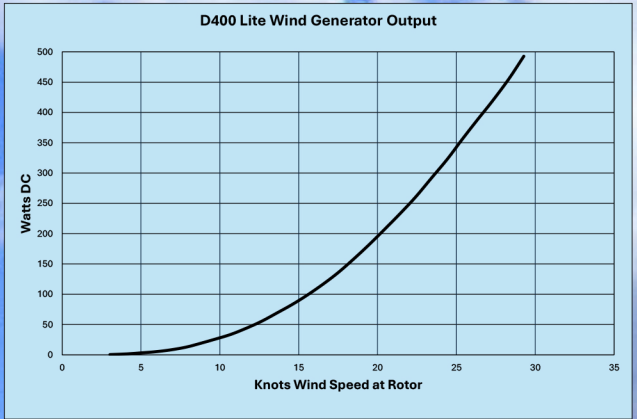
ECLECTIC ENERGY

D400 LITE

PRODUCT SPECIFICATION

Power & Performance	Rated power	235 W @ 11 m/s (22 knots) 420 W @ 14 m/s (28 knots)
	Maximum power	600 + W
	Rotational speed	1100 rpm @ 14 m/s
	Cut-in wind speed	2.5 m/s (5 knots)
	Cut-out wind speed	None
Air Rotor	Rotor type	Horizontal axis upwind
	Number of air blades	5
	Airfoil type	Low Reynolds – variable camber
	Diameter of rotor	1.1 m
	Swept area	0.95 sq. m
	Tip speed ratio	4
	Typical noise level	2 – 6 dbA over background
	Blade material	Glass-filled nylon/ injection moulded
Alternator	Alternator type	Direct drive – axial field 12 pole permanent magnet
	Design detail	3-phase AC with rectification Outputs direct current (DC) Rare earth annular magnet rotors Encapsulated stator windings
	Voltages available	DC: 12 V, 24 V, 48 V, 72 V AC: 240 V grid connect via inverter
	Materials	Aluminium alloy housing, hermetically sealed Alocrom 1200 corrosion protection polyester powder coat 316 stainless steel shafts and A4 stainless fasteners
	EMF (electromagnetic emissions)	C.E. compliant
	Proven technology	Independent test data available
	Control system	External charge regulator / stall regulation
	Brake system	Electromagnetic braking switch
Yaw System	Passive yaw	Low resonance, formed aluminium tail Heavy duty yaw shaft, bearings and slip ring assembly. Saddle spring loaded sintered copper/ graphite brushes
	Turning circle	700 mm
Mounting	Via standard or custom tower liner	Typical tower/ stub tower outside diameter 50mm – 75mm O/D
Weight	Machine weight	14 kg
Finish/ Coating	Polyester powder coat Colours available	White or black housing with white blades
Safety	BS EN 61400	Designed to comply with internationally recognised performance and safety standards



All performance figures are indicative.
Actual outputs may vary. E&OE

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Made in the UK