



kestrel
renewable energy

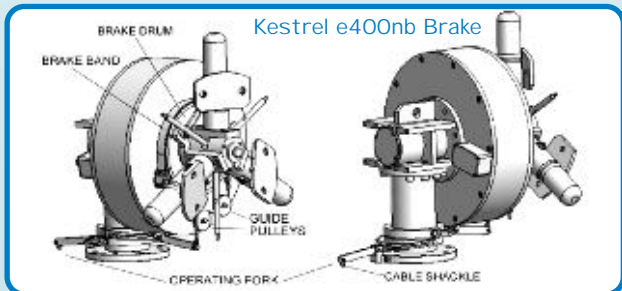
Eveready Diversified Products (Pty) Ltd

www.kestrelwind.co.za

e400^{nb}



Kestrel Wind Turbines and its global affiliates and dealers are committed to renewable energy generation as well as reducing the use of fossil fuels. Wind power addresses most of the current issues of present renewable power generation options. Kestrel is continuously developing small wind turbine technology to supply personal or business energy demands.



Small Wind Turbine Class	I
Rated Output	3500W
Maximum Power	3600W at 12ms ⁻¹
Rated Windspeed	11ms ⁻¹
Cut-in Windspeed	3.2ms ⁻¹
Generator Type	Permanent-magnet Axial flux brushless
Rotor Diameter	4m (13.1ft)
Number of Blades	3
Blade Material	Fibreglass
Tower Top Mass	250kg (550lb)
Tower Height	12-18m (39-59ft)
Tower Type	Monopole
Overspeed Protection	Pitch Control
Output Voltage	48, 110 and 250 Vdc
Application	Battery-charging
	Grid Tie
	Hybrid
	Water Pumping

Kestrel e400nb Brake:

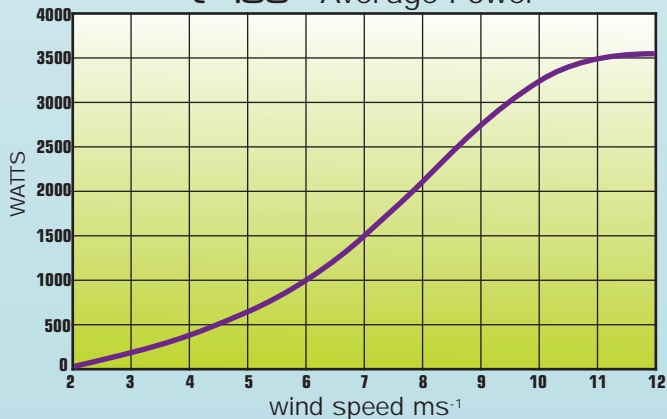
The Kestrel e400nb is fitted with a mechanical band brake that will stop the Kestrel safely in any wind condition. The brake is activated by a simple manual operation at the base of the tower.

Note: The same wind turbine is available in selected countries without the mechanical brake and is designated the e400n.

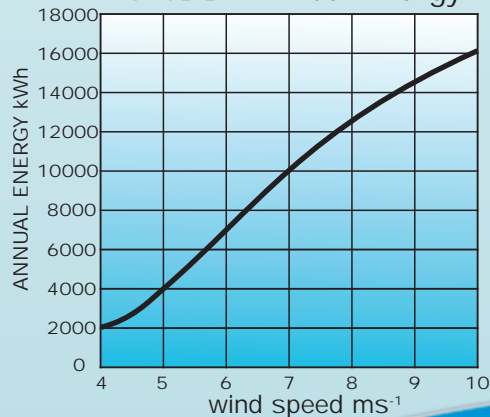
Wind Speed Table

km/h	m/s	mph
7.2	2.0	4.5
9.0	2.5	5.6
10.8	3.0	6.7
12.6	3.5	7.8
14.4	4.0	8.9
16.2	4.5	10.1
18.0	5.0	11.2
19.8	5.5	12.3
21.6	6.0	13.4
23.4	6.5	14.5
25.2	7.0	15.7
27.0	7.5	16.8
28.8	8.0	17.9
32.4	9.0	20.1
36.0	10.0	22.4
39.6	11.0	24.6
43.2	12.0	26.8
46.8	13.0	29.1

e400^{nb} Average Power



e400^{nb} Annual Energy



renewable power for life



kestrel
renewable energy

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Control:

BATTERY CHARGING



e400^{nb}
48V

Kestrel Interface



Midnight Solar Classic 200



Battery



BATTERY CHARGING



e400^{nb}
110V

Kestrel Voltage Limiter



Midnight Solar Classic 200



Battery



GRID TIE



e400^{nb}
250V

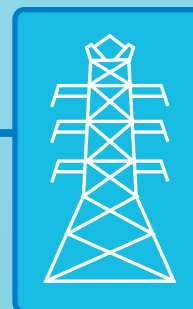
Kestrel Interface



Power One Aurora



Grid Tie Connection



Note: Product may vary from the images shown.

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