

Southwest Windpower

MADE IN USA

DATA SHEET

WIND GENERATORS



AIR X



WHISPER 100/200

Wind is a valuable source of renewable energy and its most practical application is power generation. Southwest Windpower is the world's largest producer of low-cost wind turbines and with the experience of many thousands of installations world-wide offers the ideal solution for power generation requirements in remote sites for lighting, water pumping, telecom and general power requirements.

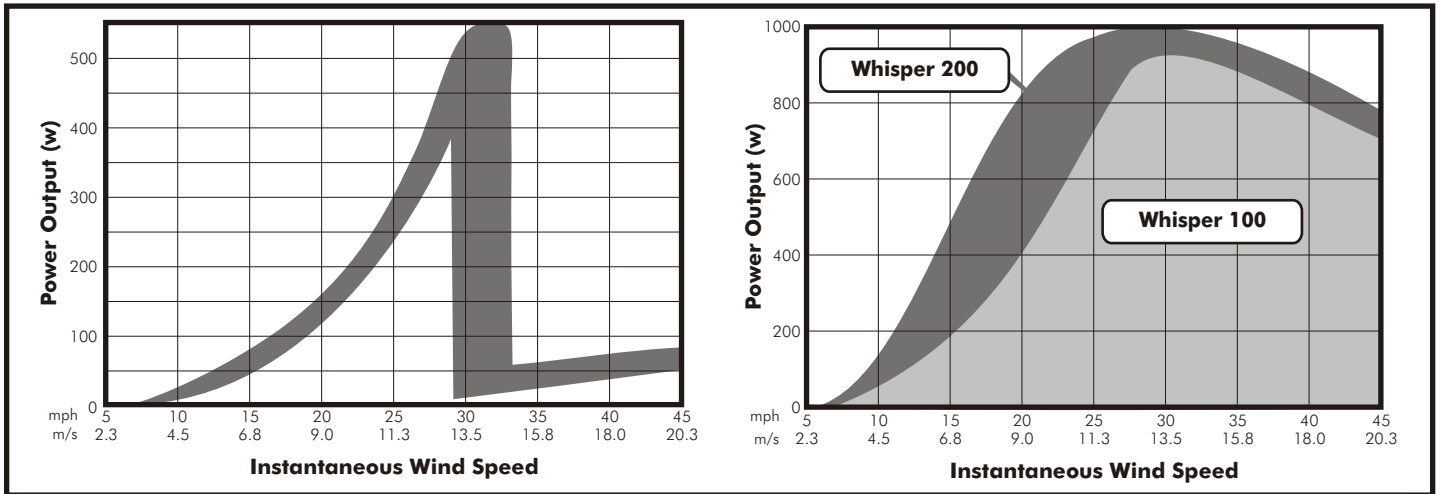
Various models are available, AIR for small power requirements and WHISPER for larger applications.

AIR features an aircraft quality aluminium alloy casing, with the option of powder coated corrosion resistant finish for marine applications, and carbon fibre composite blades. A particular feature is advanced technology regulation that results in improved battery charging capacity, quieter operation and system disconnection when the battery is fully charged.

WHISPER generators are high specification units with a number of advanced features. These include a four bearing spindle for efficiency and reliability, a patented furling device to turn the blades out of wind in high wind conditions whilst maintaining full output and a high specifications charge controller for battery protection.

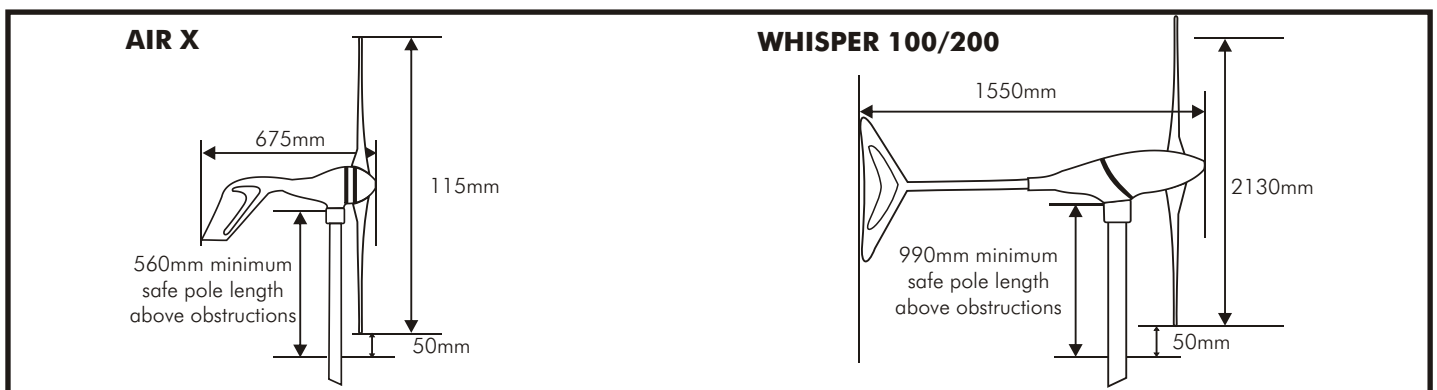
All generators should be installed on a tower well above obstructions and are ideal for use in conjunction with solar modules to ensure continuous power availability as sunny conditions and high wind speeds tend to occur at different times and also wind turbines generate for 24 hours! Systems combining the two therefore maximise power availability.

PERFORMANCE CURVE



TECHNICAL SPECIFICATIONS

	AIR X	WHISPER 100	WHISPER 200
Rated Power	400Watts @ 12.3m/s	900Watts @ 12.3m/s	1000Watts @ 11.6m/s
Kilowatt hours per Month	38kWh/month at 5.4m/s	100kWh/month at 5.4m/s	158kWh/month at 5.4m/s
Voltage	Output of 12 or 24VDC	12/24/36/48VDC	12/24/36/48/152VDC
Start-Up Wind Speed	4m/s	3.4m/s	3.1m/s
Survival Wind Speed	50m/s	55m/s	55m/s
Turbine Controller	Smart Internal Regulator	Whisper Controller	Whisper Controller
Over speed Protection	Electronic Torque Control	Patented side furling	Patented side furling
Rotor Diameter	1.15m	2.1m	2.7m
Weight	6kgs	23kgs	40kgs
Mount	1.5" pipe	2.5" pipe	2.5" pipe
Body	Cast Aluminum marine option available	Cast Aluminum	Cast Aluminum
Blades	3 Carbon Fibre Composite	3 Polypro/carbon glass reinforced	3 Polypro/carbon glass reinforced
Warranty	3 years	5 years	5 years



NB. Contents herein are not warranted. The right is reserved to amend specifications without notice.

AVAILABLE FROM

DS127A-03/08



KENYA

NAIROBI - HEAD OFFICE
 TEL: (254 20) 6968000, 558335, FAX: 557617
 d&s@dayliff.com
WESTLANDS
 TEL: (254 20) 4446011, 4446016, FAX: 4451038
 westlands@dayliff.com
ELDORET
 TEL: (254 53) 2061306, FAX: 2062335
 d&s@eld.dayliff.com
KISUMU
 TEL: (254 57) 2024763, FAX: 2023103
 d&s@ksm.dayliff.com

MOMBASA
 TEL: (254 41) 2495920, 2490861, FAX: 2490868
 d&s@msa.dayliff.com
MALINDI
 TEL: (254 42) 20425, FAX: 20426
 d&s@mld.dayliff.com
NAKURU
 TEL: (254 51) 2213146, 2213248, FAX: 2212956
 d&s@nkr.dayliff.com
ETHIOPIA
ADDIS ABABA
 TEL: (251 11) 5159341/4
 d&s@et.dayliff.com/

ZAMBIA

LUSAKA
 TEL/FAX: (260 211) 288010/1, 845010/1
 lusaka@zm.dayliff.com
KITWE
 TEL/FAX: (260 212) 22174/67,
 kitwe@zm.dayliff.com
RWANDA
KIGALI
 TEL: (250) 504039, FAX: 504033
 sales@dayliff.co.rw

TANZANIA

DAR ES SALAAM
 TEL: (255 22) 2112515/6, FAX: 2112513
 office@ars.tzdayliff.com
ARUSHA
 TEL: (255 25) 2502517/8, FAX: 2502516
 office@ars.tzdayliff.com
ZANZIBAR
 TEL: (255 24) 2234660/1, FAX: 2234664
 office@znz.tzdayliff.com
UGANDA
KAMPALA
 TEL: (256 414) 346337/8, FAX: 346335
 d&s@ug.dayliff.com