WINDSTREAM TECHNOLOGIES, INC.

TurboMill™

	WINDSTREAM TECHNOLOGIES	
	TurboMill	
COST	$ 500	
COST PER WATT (11 M/S)	$ 3.47	/W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$ 26.31	/kW·hr
POWER (11 M/S)	144	W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	19	kW·hr
CUT-IN SPEED	0.5	m/s
SWEPT AREA	0.732	m²
TURBINE DIAMETER	0.28	m
TURBINE HEIGHT	0.871	m
WEIGHT	30	kg
WARRANTY	5	years
SOURCES	WindStream	

AEROTECTURE

610V

ADDITIONAL DATA:

SURVIVAL SPEED : +40 M/S

RATED RPM : 159 RPM

	AEROTECTURE	WINDSTREAM TECHNOLOGIES
	610V	TurboMill
COST	$15,000 Turbine $18,000 Full install	$ 500
COST PER WATT (11 M/S)	$39.47 /W $47.37	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$375 /kW·hr $450	$ 26.31 /kW·hr
POWER (11 M/S)	380 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	40 kW·hr	19 kW·hr
CUT-IN SPEED	2.8 m/s	0.5 m/s
SWEPT AREA	4.01 m²	0.732 m²
TURBINE DIAMETER	1.45 m	0.28 m
TURBINE HEIGHT	2.77 m	0.871 m
WEIGHT	39 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.aerotecture.com/	WindStream

AMPAIR

300

ADDITIONAL DATA:

SURVIVAL SPEED : 60 M/S

BLADE MATERIAL : CONTINUOUS GLASS + POLYPROPYLENE

TOWER HEIGHT : 2.5 -10 M

	AMPAIR	WINDSTREAM TECHNOLOGIES
	300	TurboMill
COST	$1,400 Turbine $3,700 Full install	$ 500
COST PER WATT (11 M/S)	$4.67 /W $12.33	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$12.96 /kW·hr $34.26	$ 26.31 /kW·hr
POWER (11 M/S)	300 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	108 kW·hr	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	1.13 m²	0.732 m²
TURBINE DIAMETER	1.2 m	0.28 m
TURBINE HEIGHT	1.2 m	0.871 m
WEIGHT	10.5 kg	30 kg
WARRANTY	2 years	5 years
SOURCES	http://www.boost-energy.com/ampair/products_product2.asp	WindStream

BERGEY WIND POWER CO.

BWC XL. 1

	BERGEY WIND POWER	WINDSTREAM TECHNOLOGIES
	BWC XL. 1	TurboMill
COST	$2,800 Turbine $5,390 Full install	$ 500
COST PER WATT (11 M/S)	$2.80 /W $5.39	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$18.18 /kW·hr $35.00	$ 26.31 /kW·hr
POWER (11 M/S)	1000 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	154 kW·hr	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	4.9 m²	0.732 m²
TURBINE DIAMETER	2.5 m	0.28 m
TURBINE HEIGHT	2.5 m	0.871 m
WEIGHT	34 kg	30 kg
WARRANTY	10 years	5 years
SOURCES	http://www.bergey.com/	WindStream

ADDITIONAL DATA:

SURVIVAL SPEED : 54 M/S

BLADE MATERIAL : FIBERGLASS

TOWER HEIGHT : 18–30 M

C&G WINDPOWER

400W

ADDITIONAL DATA:

SURVIVAL SPEED : 35 M/S

BLADE MATERIAL : ALUMINUM ALLOY

	C&G WINDPOWER	WINDSTREAM TECHNOLOGIES
	400W	TurboMill
COST	$650 Turbine $2,950 Full install	$ 500
COST PER WATT (11 M/S)	$2.17 $9.83 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	300 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	3.14 m²	0.732 m²
TURBINE DIAMETER	2 m	0.28 m
TURBINE HEIGHT	2 m	0.871 m
WEIGHT	n/a kg	30 kg
WARRANTY	3 years	5 years
SOURCES	http://www.cgwindpower.com/home.asp	WindStream

CASCADE ENGINEERING, INC.

SWIFT Wind Turbine

ADDITIONAL DATA:

SURVIVAL SPEED : 64.8 M/S

BLADE MATERIAL : INJECTION MOLDED NANO-FIBRE REINFORCED POLYMER

	CASCADE ENGINEERING	WINDSTREAM TECHNOLOGIES
	SWIFT	TurboMill
COST	$8,500 Turbine $10,400 Full install	$ 500
COST PER WATT (11 M/S)	$8.50 $10.40 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$28.33 $34.67 /kW·hr	$ 26.31 /kW·hr
POWER (11 M/S)	1000 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	300 kW·hr	19 kW·hr
CUT-IN SPEED	3.58 m/s	0.5 m/s
SWEPT AREA	3.57 m²	0.732 m²
TURBINE DIAMETER	2.1 m	0.28 m
TURBINE HEIGHT	2.1 m	0.871 m
WEIGHT	113.4 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.cascadeng.com/markets/renewable_energy/index.htm	WindStream

CLEANFIELD

3.5V Vertical

ADDITIONAL DATA:

SURVIVAL SPEED : 45 M/S

BLADE MATERIAL : REINFORCED FIBERGLASS

	CLEANFIELD	WINDSTREAM TECHNOLOGIES
	3.5V	TurboMill
COST	$20,000 Turbine $28,000 Full install	$ 500
COST PER WATT (11 M/S)	$10.53 /W $14.74	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$119.76 /kW·hr $167.66	$ 26.31 /kW·hr
POWER (11 M/S)	1900 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	167 kW·hr	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	8.55 m²	0.732 m²
TURBINE DIAMETER	2.75 m	0.28 m
TURBINE HEIGHT	3.11 m	0.871 m
WEIGHT	245 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.cleanfieldenergy.com/site/sub/p_we_overview.php	WindStream

GUAL-STATOELIEN

GSE 4

	GUAL-STATOELIEN	WINDSTREAM TECHNOLOGIES
	GSE 4	TurboMill
COST	$10,000 Turbine $15,900 Full install	$ 500
COST PER WATT (11 M/S)	$33.33 /W $53.00	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	300 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	2 m/s	0.5 m/s
SWEPT AREA	6 m²	0.732 m²
TURBINE DIAMETER	4 m	0.28 m
TURBINE HEIGHT	1.5 m	0.871 m
WEIGHT	800 kg	30 kg
WARRANTY	3 years	5 years
SOURCES	http://www.gual-statoeolien.com/English/defaultang.html	WindStream

ADDITIONAL DATA:

SURVIVAL SPEED : 60 M/S

HELIXWIND

S322

	HELIXWIND	WINDSTREAM TECHNOLOGIES
	S322	TurboMill
COST	$7,500 Turbine $13,500 Full install	$ 500
COST PER WATT (11 M/S)	Not Available	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$119.05 $214.29 /kW·hr	$ 26.31 /kW·hr
POWER (11 M/S)	Not Available	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	63 kW·hr	19 kW·hr
CUT-IN SPEED	5 m/s	0.5 m/s
SWEPT AREA	3.19 m²	0.732 m²
TURBINE DIAMETER	1.28 m	0.28 m
TURBINE HEIGHT	2.62 m	0.871 m
WEIGHT	135 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.helixwind.com/en/S322.php	WindStream

ADDITIONAL DATA:

SURVIVAL SPEED : 52 M/S

BLADE MATERIAL : ALUMINUM ALLOY

HI-VAWT TECHNOLOGY CORP.

DS 300

ADDITIONAL DATA:

SURVIVAL SPEED : 60M/S

BLADE MATERIAL : ALUMINUM

	HI-VAWT TECHNOLOGY	WINDSTREAM TECHNOLOGIES
	DS 300	TurboMill
COST	$2,000 Turbine $4,000 Full install	$ 500
COST PER WATT (11 M/S)	$11.11 /W $22.22	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	180 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	1.32 m²	0.732 m²
TURBINE DIAMETER	1.06 m	0.28 m
TURBINE HEIGHT	1.245 m	0.871 m
WEIGHT	30 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.hi-vawt.com.tw/selection-6-english.htm	WindStream

HONEYWELL

WT6500 Wind Turbine

ADDITIONAL DATA:

SURVIVAL SPEED : 18.8 M/S

TOTAL HEIGHT : APPROX. 2 M

	HONEYWELL	WINDSTREAM TECHNOLOGIES
	WT6500	TurboMill
COST	$4,500 Turbine $5,840 Full install	$ 500
COST PER WATT (11 M/S)	$5.00 $6.49 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$19.57 $25.40 /kW·hr	$ 26.31 /kW·hr
POWER (11 M/S)	900 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	230 kW·hr	19 kW·hr
CUT-IN SPEED	0.9 m/s	0.5 m/s
SWEPT AREA	2.27 m²	0.732 m²
TURBINE DIAMETER	1.8 m	0.28 m
TURBINE HEIGHT	1.8 m	0.871 m
WEIGHT	77 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.earthtronics.com/honeywell.aspx	WindStream

JL CARBON FREE ENERGY CO.

FDCS-075A

ADDITIONAL DATA:

SURVIVAL SPEED : 32 M/S

BLADE MATERIAL : POLYSTYRENE

	JL CARBON FREE ENERGY	WINDSTREAM TECHNOLOGIES
	FDCS-075A	TurboMill
COST	$1,030 Turbine $4,030 Full install	$ 500
COST PER WATT (11 M/S)	$10.30 $40.30 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	100 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	2.8 m/s	0.5 m/s
SWEPT AREA	1.125 m²	0.732 m²
TURBINE DIAMETER	0.75 m	0.28 m
TURBINE HEIGHT	1.5 m	0.871 m
WEIGHT	Not Available	30 kg
WARRANTY	2 years	5 years
SOURCES	http://www.carbonfreeenergy.cn/1.htm	WindStream

PANASONIC

KAZEKAMOME FY-17TWZ-C1

ADDITIONAL DATA:

BLADE MATERIAL : GLASS FIBRE REINFORCED POLYESTER

TOTAL HEIGHT : 5.84 M

	PANASONIC	WINDSTREAM TECHNOLOGIES
	FY-17TWZ	TurboMill
COST	$15,500 Turbine $18,000 Full install	$ 500
COST PER WATT (11 M/S)	No available power tests. Light source uses 40 watts	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)		$ 26.31 /kW·hr
POWER (11 M/S)		144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)		19 kW·hr
CUT-IN SPEED	2.5 m/s	0.5 m/s
SWEPT AREA	0.4408 m²	0.732 m²
TURBINE DIAMETER	0.38 m	0.28 m
TURBINE HEIGHT	1.16 m	0.871 m
WEIGHT	350 kg	30 kg
WARRANTY	years	5 years
SOURCES	http://panasonic.net/pes/products/env/windseagull/lineup_02.html	WindStream

PROVEN ENERGY

Proven 7

	PROVEN ENERGY	WINDSTREAM TECHNOLOGIES
	Proven 7	TurboMill
COST	$15,000 Turbine $17,500 Full install	$ 500
COST PER WATT (11 M/S)	$15.00 /W $17.50	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$38.66 /kW·hr $45.10	$ 26.31 /kW·hr
POWER (11 M/S)	1000 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	388 kW·hr	19 kW·hr
CUT-IN SPEED	2.5 m/s	0.5 m/s
SWEPT AREA	9.6 m²	0.732 m²
TURBINE DIAMETER	3.5 m	0.28 m
TURBINE HEIGHT	3.5 m	0.871 m
WEIGHT	190 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.provenenergy.co.uk/our_products.php	WindStream

ADDITIONAL DATA:

SURVIVAL SPEED : 70 M/S

BLADE MATERIAL : GLASS THERMOPLASTIC COMPOSITE

NOISE : @ 5M/S 60DB @ 20M/S

QUIETREVOLUTION

QR5

ADDITIONAL DATA:

SURVIVAL SPEED : 16 M/S

BLADE MATERIAL : CARBON FIBRE AND EPOXY RESIN BLADES

TOWER HEIGHT : 6 M OR 15 M

	QUIET REVOLUTION	WINDSTREAM TECHNOLOGIES
	QR5	TurboMill
COST	$25,000 Turbine $45,000 Full install	$ 500
COST PER WATT (11 M/S)	$8.33 /W $15.00	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$142.86 /kW·hr $257.14	$ 26.31 /kW·hr
POWER (11 M/S)	3000 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	175 kW·hr	19 kW·hr
CUT-IN SPEED	4.5 m/s	0.5 m/s
SWEPT AREA	15.5 m²	0.732 m²
TURBINE DIAMETER	3.1 m	0.28 m
TURBINE HEIGHT	5 m	0.871 m
WEIGHT	450 kg	30 kg
WARRANTY	2 years	5 years
SOURCES	http://www.quietrevolution.co.uk/qr5.htm	WindStream

REVOLUTION AIR (PRAMAC)

Twin Blades WT400W

ADDITIONAL DATA:

TOWER HEIGHT : 0.3 - 3 M

	REVOLUTION AIR	WINDSTREAM TECHNOLOGIES
	WT400W	TurboMill
COST	$3,505 Turbine $7,505 Full install	$ 500
COST PER WATT (11 M/S)	$17.97 $38.49 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	195 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	0.81 m²	0.732 m²
TURBINE DIAMETER	0.9 m	0.28 m
TURBINE HEIGHT	0.9 m	0.871 m
WEIGHT	26 kg	30 kg
WARRANTY	0 years	5 years
SOURCES	http://www.revolutionair-pramac.com/Europe/en/wind-turbines-revolutionair-pramac-starck.asp	WindStream

REVOLUTION AIR (PRAMAC)

Tripala WT1KW

ADDITIONAL DATA:

TOWER HEIGHT : 1 – 6 M

	REVOLUTION AIR	WINDSTREAM TECHNOLOGIES
	WT1KW	TurboMill
COST	$4,905 Turbine $9,405 Full install	$ 500
COST PER WATT (11 M/S)	$8.92 /W $17.10	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	550 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	2.1 m²	0.732 m²
TURBINE DIAMETER	1.45 m	0.28 m
TURBINE HEIGHT	1.45 m	0.871 m
WEIGHT	65 kg	30 kg
WARRANTY	0 years	5 years
SOURCES	http://www.revolutionair-pramac.com/Europe/en/wind-turbines-revolutionair-pramac-starck.asp	WindStream

ROPATEC WINDROTOR

Easy

ADDITIONAL DATA:

NOISE : 42 DB MAX

NOMINAL VOLTAGE : 150 VAC

	ROPATEC WINDROTOR	WINDSTREAM TECHNOLOGIES
	Easy	TurboMill
COST	$7,500 Turbine $14,500 Full install	$ 500
COST PER WATT (11 M/S)	$18.75 /W $36.25	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$227.27 /kW·hr $439.39	$ 26.31 /kW·hr
POWER (11 M/S)	400 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	33 kW·hr	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	2.07 m²	0.732 m²
TURBINE DIAMETER	1.15 m	0.28 m
TURBINE HEIGHT	1.8 m	0.871 m
WEIGHT	130 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.ropatec.com/ing_easy_vertical.php?lin=3	WindStream

SELSAM INNOVATIONS

ST 2.0 Cal. SuperTwin

ADDITIONAL DATA:

SURVIVAL SPEED : 36 M/S

BLADE MATERIAL : CARBON FIBER/EPOXY

	SELSAM INNOVATIONS	WINDSTREAM TECHNOLOGIES
	ST 2.0	TurboMill
COST	$2,800 Turbine $3,300 Full install	$ 500
COST PER WATT (11 M/S)	$20.00 /W $23.57	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	140 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	3.5 m/s	0.5 m/s
SWEPT AREA	7.3 m²	0.732 m²
TURBINE DIAMETER	3 m	0.28 m
TURBINE HEIGHT	3 m	0.871 m
WEIGHT	43 kg	30 kg
WARRANTY	2 years	5 years
SOURCES	http://www.speakerfactory.net/turbines/	WindStream

SINFONIA TECHNOLOGY COMPANY, LTD.
SYNERGY VIRIDIS LLC

WEA 18-20

ADDITIONAL DATA:
SURVIVAL SPEED : 60 M/S
TOTAL HEIGHT : 5.8 M

	SINFONIA TECHNOLOGY	WINDSTREAM TECHNOLOGIES
	WEA 18-20	TurboMill
COST	There initial price is ranging around $50,000 per unit, including installation from LB Roof Systems. Due to the new partnership, Synergy Viridis is limited in the specifications information.	$ 500
COST PER WATT (11 M/S)		$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)		$ 26.31 /kW·hr
POWER (11 M/S)		144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)		19 kW·hr
CUT-IN SPEED	2 m/s	0.5 m/s
SWEPT AREA	3.6 m²	0.732 m²
TURBINE DIAMETER	1.8 m	0.28 m
TURBINE HEIGHT	2 m	0.871 m
WEIGHT	Not Available	30 kg
WARRANTY	Not Available	5 years
SOURCES	http://synergyviridis.com/index.htm	WindStream

SOLAR-WIND-TEAM

Flip 150

	SOLAR-WIND-TEAM	WINDSTREAM TECHNOLOGIES
	Flip 150	TurboMill
COST	$1,123 Turbine $1,723 Full install	$ 500
COST PER WATT (11 M/S)	$11.23 $17.23 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	100 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	1.8 m/s	0.5 m/s
SWEPT AREA	0.95 m²	0.732 m²
TURBINE DIAMETER	1.1 m	0.28 m
TURBINE HEIGHT	1.1 m	0.871 m
WEIGHT	10 kg	30 kg
WARRANTY	2 years	5 years
SOURCES	http://www.wind-mobil.de/	WindStream

ADDITIONAL DATA:

BLADE MATERIAL : GLASS REINFORCED PLASTIC

SOUTHWEST WINDPOWER

Air Breeze

ADDITIONAL DATA:

SURVIVAL SPEED : 49.2 M/S

BLADE MATERIAL : CAST ALUMINUM

	SOUTHWEST WINDPOWER	WINDSTREAM TECHNOLOGIES
	Air Breeze	TurboMill
COST	$720 Turbine $940 Full install	$ 500
COST PER WATT (11 M/S)	$5.54 $7.23 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$25.71 $33.57 /kW·hr	$ 26.31 /kW·hr
POWER (11 M/S)	130 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	28 kW·hr	19 kW·hr
CUT-IN SPEED	2.68 m/s	0.5 m/s
SWEPT AREA	1.075 m²	0.732 m²
TURBINE DIAMETER	1.17 m	0.28 m
TURBINE HEIGHT	1.17 m	0.871 m
WEIGHT	5.9 kg	30 kg
WARRANTY	3 years	5 years
SOURCES	http://www.airbreeze.com/	WindStream

SOUTHWEST WINDPOWER

Air X

ADDITIONAL DATA:

SURVIVAL SPEED : 49.2 M/S

BLADE MATERIAL : CARBON FIBER COMPOSITE

	SOUTHWEST WIKNDPOWER	WINDSTREAM TECHNOLOGIES
	Air X	TurboMill
COST	$650 Turbine $950 Full install	$ 500
COST PER WATT (11 M/S)	$2.71 $3.96 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$36.11 $52.78 /kW·hr	$ 26.31 /kW·hr
POWER (11 M/S)	240 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	18 kW·hr	19 kW·hr
CUT-IN SPEED	3.6 m/s	0.5 m/s
SWEPT AREA	1.072 m²	0.732 m²
TURBINE DIAMETER	1.168 m	0.28 m
TURBINE HEIGHT	1.168 m	0.871 m
WEIGHT	5.85 kg	30 kg
WARRANTY	3 years	5 years
SOURCES	http://www.windenergy.com/products/air_x.htm	WindStream

SOUTHWEST WINDPOWER

Whisper 100

ADDITIONAL DATA:

SURVIVAL SPEED : 53.6 M/S

BLADE MATERIAL : CARBON FIBER COMPOSITE

	SOUTHWEST WINDPOWER	WINDSTREAM TECHNOLOGIES
	Whisper 100	TurboMill
COST	$2,595 Turbine $2,895 Full install	$ 500
COST PER WATT (11 M/S)	$3.55 /W $3.97	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$32.44 /kW·hr $36.19	$ 26.31 /kW·hr
POWER (11 M/S)	730 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	80 kW·hr	19 kW·hr
CUT-IN SPEED	3.4 m/s	0.5 m/s
SWEPT AREA	3.575 m²	0.732 m²
TURBINE DIAMETER	2.134 m	0.28 m
TURBINE HEIGHT	2.134 m	0.871 m
WEIGHT	21 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.windenergy.com/products/whisper_100.htm	WindStream

SOUTHWEST WINDPOWER

SkyStream 3.7

ADDITIONAL DATA:

SURVIVAL SPEED : 63 M/S

BLADE MATERIAL : CARBON FIBER COMPOSITE

	SOUTHWEST WINDPOWER		WINDSTREAM TECHNOLOGIES	
	SkyStream 3.7		TurboMill	
COST	$6,200 $15,000	Turbine Full install	$ 500	
COST PER WATT (11 M/S)	$2.95 $7.14	/W	$ 3.47	/W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$19.38 $46.88	/kW·hr	$ 26.31	/kW·hr
POWER (11 M/S)	2100	W	144	W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	320	kW·hr	19	kW·hr
CUT-IN SPEED	3.5	m/s	0.5	m/s
SWEPT AREA	10.87	m²	0.732	m²
TURBINE DIAMETER	3.72	m	0.28	m
TURBINE HEIGHT	3.72	m	0.871	m
WEIGHT	77	kg	30	kg
WARRANTY	5	years	5	years
SOURCES	http:// www.skystreamenergy.com/		WindStream	

TANGARIE

Gale 1

	TANGARIE	WINDSTREAM TECHNOLOGIES
	Gale 1	TurboMill
COST	$6,440 Turbine $11,410 Full install	$ 500
COST PER WATT (11 M/S)	$6.44 $11.41 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	100 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	2.12 m/s	0.5 m/s
SWEPT AREA	0.3 m²	0.732 m²
TURBINE DIAMETER	0.34 m	0.28 m
TURBINE HEIGHT	1.03 m	0.871 m
WEIGHT	38.5 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.tangarie.com/	WindStream

ADDITIONAL DATA:

NOISE : 53DB @ 10'

URBAN GREEN ENERGY

UGE-1K

	URBAN GREEN ENERGY	WINDSTREAM TECHNOLOGIES
	UGE-1K	TurboMill
COST	$6,120 Turbine $10,600 Full install	$ 500
COST PER WATT (11 M/S)	$7.65 $13.25 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$58.85 $101.92 /kW·hr	$ 26.31 /kW·hr
POWER (11 M/S)	800 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	104 kW·hr	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	3.24 m²	0.732 m²
TURBINE DIAMETER	1.8 m	0.28 m
TURBINE HEIGHT	2.7 m	0.871 m
WEIGHT	175 kg	30 kg
WARRANTY	3 years	5 years
SOURCES	http://www.urbangreenenergy.com/turbines.php?id=14	WindStream

ADDITIONAL DATA:

SURVIVAL SPEED : 50 M/S

BLADE MATERIAL : CARBON FIBER AND FIBERGLASS

NOISE : WITHIN 3 METERS @ <7 M/S - 38 DB

URBAN GREEN ENERGY

Eddy

ADDITIONAL DATA:

SURVIVAL SPEED : 55 M/S

NOISE : AT 12 M/S - 38 DB(A)

TOWER HEIGHT : 2-12 M, OR ROOF MOUNT

	URBAN GREEN ENERGY	WINDSTREAM TECHNOLOGIES
	Eddy	TurboMill
COST	$6,500 Turbine $10,980 Full install	$ 500
COST PER WATT (11 M/S)	$13.00 /W $21.96	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$108.33 /kW·hr $183.00	$ 26.31 /kW·hr
POWER (11 M/S)	500 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	60 kW·hr	19 kW·hr
CUT-IN SPEED	3.5 m/s	0.5 m/s
SWEPT AREA	3.5 m²	0.732 m²
TURBINE DIAMETER	1.38 m	0.28 m
TURBINE HEIGHT	1.6 m	0.871 m
WEIGHT	81.6 kg	30 kg
WARRANTY	3 years	5 years
SOURCES	http://www.urbangreenenergy.com/eddy/	WindStream

VENCO POWER

Twister – 300 T

	VENCO POWER	WINDSTREAM TECHNOLOGIES
	Twister – 300T	TurboMill
COST	$4,139 Turbine $7,139 Full install	$ 500
COST PER WATT (11 M/S)	$24.35 /W $41.99	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$344.92 /kW·hr $594.92	$ 26.31 /kW·hr
POWER (11 M/S)	170 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	12 kW·hr	19 kW·hr
CUT-IN SPEED	3.5 m/s	0.5 m/s
SWEPT AREA	1 m²	0.732 m²
TURBINE DIAMETER	1 m	0.28 m
TURBINE HEIGHT	1 m	0.871 m
WEIGHT	52 kg	30 kg
WARRANTY	2 years	5 years
SOURCES	http:// www.vencopower.com/	WindStream

ADDITIONAL DATA:

SURVIVAL SPEED : 50 M/S

BLADE MATERIAL : EPOXY RESIN, GLASS AND CARBON

WEPOWER

FALCON 600W

	WEPOWER	WINDSTREAM TECHNOLOGIES
	Falcon 600W	TurboMill
COST	$5,440 Turbine $6,940 Full install	$ 500
COST PER WATT (11 M/S)	$10.88 /W $13.88	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	$ 26.31 /kW·hr
POWER (11 M/S)	500 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	Not Available	19 kW·hr
CUT-IN SPEED	2.7 m/s	0.5 m/s
SWEPT AREA	1.3 m²	0.732 m²
TURBINE DIAMETER	1.3 m	0.28 m
TURBINE HEIGHT	1 m	0.871 m
WEIGHT	88 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.wepower.us/products/falcon/falcon-600w.htm	WindStream

ADDITIONAL DATA:

SURVIVAL SPEED : 49.6 M/S

NOISE : 6.7 M/S @ 3 M AWAY, 32 DB

TOTAL HEIGHT : 5.5 M

WIND ENERGY SOLUTION

Tulipo

ADDITIONAL DATA:

SURVIVAL SPEED : 59.5 M/S

BLADE MATERIAL : GLASS REINFORCED EPOXY, GALVANIZED AND COATED RAL 6019

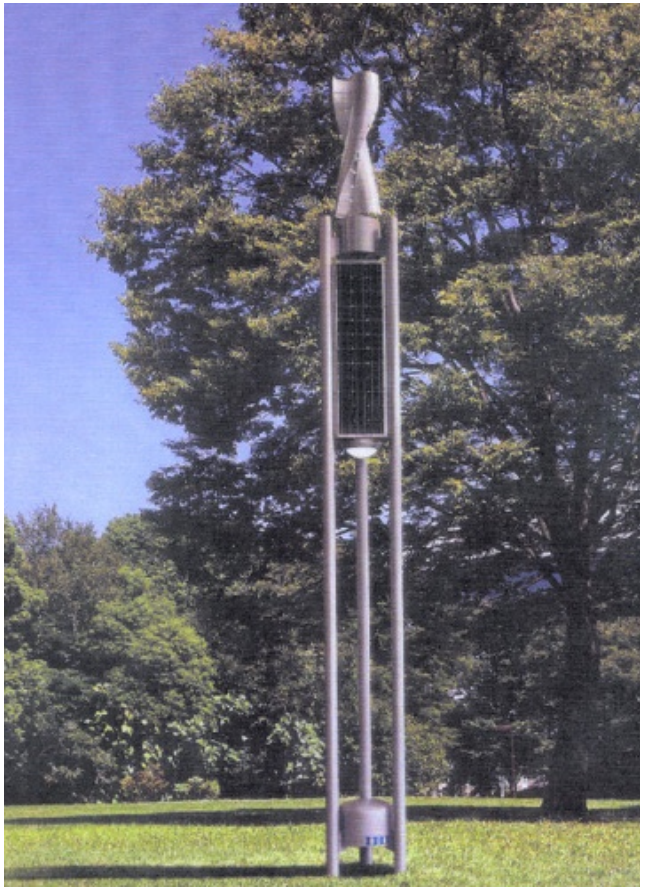
NOISE : AT 9 M/S - 35 DB(A) AT 20 M

TOWER HEIGHT : 12 M

	WIND ENERGY SOLUTION	WINDSTREAM TECHNOLOGIES
	Tulipo	TurboMill
COST	$25,000 Turbine	$ 500
COST PER WATT (11 M/S)	$9.52 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$43.18 /kW·hr	$ 26.31 /kW·hr
POWER (11 M/S)	2625 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	579 kW·hr	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	19.63 m²	0.732 m²
TURBINE DIAMETER	5 m	0.28 m
TURBINE HEIGHT	5 m	0.871 m
WEIGHT	940 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.windenergysolutions.nl/index/12/tulipo	WindStream

WINDSIDE

WS-0, 20 B



	WINDSIDE	WINDSTREAM TECHNOLOGIES
	WS-0, 30B	TurboMill
COST	$5,000 Turbine $11,500 Full install	$ 500
COST PER WATT (11 M/S)	$90.91 /W $209.10	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$83.33 /kW·hr $191.67	$ 26.31 /kW·hr
POWER (11 M/S)	55 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	60 kW·hr	19 kW·hr
CUT-IN SPEED	2.8 m/s	0.5 m/s
SWEPT AREA	0.30 m²	0.732 m²
TURBINE DIAMETER	0.3 m	0.28 m
TURBINE HEIGHT	1 m	0.871 m
WEIGHT	43 kg	30 kg
WARRANTY	10 years	5 years
SOURCES	http://www.windside.com/	WindStream

ADDITIONAL DATA:

SURVIVAL SPEED : 40 M/S

BLADE MATERIAL : FIBERGLASS

TOWER HEIGHT : 4 M MINIMUM

MARIAH WIND POWER / WINDSPIRE

Giromill

	MARIAH WIND POWER	WINDSTREAM TECHNOLOGIES
	Giromill	TurboMill
COST	$6,500 Turbine $11,000 Full install	$ 500
COST PER WATT (11 M/S)	$6.50 /W $11.00	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$38.92 /kW·hr $65.87	$ 26.31 /kW·hr
POWER (11 M/S)	1,000 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	167 kW·hr	19 kW·hr
CUT-IN SPEED	3.5 m/s	0.5 m/s
SWEPT AREA	3.72 m²	0.732 m²
TURBINE DIAMETER	0.6096 m	0.28 m
TURBINE HEIGHT	6.069 m	0.871 m
WEIGHT	250 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://windspireenergy.com/	WindStream

ADDITIONAL DATA:

SURVIVAL SPEED : 45 M/S

BLADE MATERIAL : HDPE PLASTIC

NOISE : APPROX. 25 DB AT 5 FEET FROM BASE

TOTAL HEIGHT : 9.144 M

WINDTERRA

ECO 1200

ADDITIONAL DATA:

SURVIVAL SPEED : 53 M/S

BLADE MATERIAL : FIBERGLASS

	WINDTERRA	WINDSTREAM TECHNOLOGIES
	ECO 1200	TurboMill
COST	$7,500 Turbine $10,700 Full install	$ 500
COST PER WATT (11 M/S)	$7.50 $10.70 /W	$ 3.47 /W
COST PER MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	$54.74 $78.10 /kW·hr	$ 26.31 /kW·hr
POWER (11 M/S)	1000 W	144 W
MONTHLY ENERGY (5 M/S ANNUAL AVERAGE)	137 kW·hr	19 kW·hr
CUT-IN SPEED	3 m/s	0.5 m/s
SWEPT AREA	5.985 m²	0.732 m²
TURBINE DIAMETER	2.66 m	0.28 m
TURBINE HEIGHT	2.25 m	0.871 m
WEIGHT	292 kg	30 kg
WARRANTY	5 years	5 years
SOURCES	http://www.windterra.com/	WindStream

Contact

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