Small wind turbine test results for consumer labels (some numbers have been rounded)

Manuacturer	**Model**	**Type**	**Swept Area [m^2]**	**Power at 11 m/s [kW]**	**Reference Annual Energy at 5 m/s [kWh]**	**AWEA Rated Sound Pressure Level [dB(A)]**	**IEC Declared Sound Power Level [dB(A)]**	**Turbine Test Class [I-IV]**	**Max C_P**	**Cut-in Wind Speed [m/s]**
Pika Energy	T701	HAWT	7.1	1.5	2420	38.3		II	0.31 (at 8.5 m/s)	3.0
Hi VAWT Technology /Colite Technologies	DS3000	VAWT	10.6	1.4	2460	42.3		IV	0.23 (at 7.5-9 m/s)	3.5
Xzeres Wind Corporation	Skystream 3.7	HAWT	10.9	2.1	3420	41.2		II	0.29 (at 7-8 m/s)	3.0
Eveready Diversified Products (Pty) Ltd.	Kestrel e400nb	HAWT	12.6	2.5	3930	55.6		II	0.30 (at 7.5-9 m/s)	4.0
InnoVentum AB	Giraffe 2.0 /Windspot 3.5	HAWT	12.9	2.7	4760		85	IV	0.32 (at 5.5-9 m/s)	2.5
Sonkyo Energy	Windspot 3.5	HAWT	13.2	3.2	4820	39.1	84.6	IV	0.32 (at 6-7 m/s)	2.5
SD Wind Energy (formerly Kingspan/ Proven)	SD6 (KW6)	HAWT	24	5.2	8950	43.1		II	0.36 (at 8 m/s)	2.5
Bergey Windpower Co.	Excel 6	HAWT	30	5.5	9920	47.2		II	0.31 (at 4-4.5 m/s)	2.5
Bergey Windpower Co.	Excel 10	HAWT	38	8.9	13800	42.9		II	0.30 (at 6-9 m/s)	2.5

Manuacturer	**Model**	**Type**	**Swept Area [m^2]**	**Power at 11 m/s [kW]**	**Reference Annual Energy at 5 m/s [kWh]**	**AWEA Rated Sound Pressure Level [dB(A)]**	**IEC Declared Sound Power Level [dB(A)]**	**Turbine Test Class [I-IV]**	**Max C_P**	**Cut-in Wind Speed [m/s]**
Xzeres Wind Corporation	442SR	HAWT	41	10.4	16700	48.5		II	0.37 (at 7.5-8 m/s)	2.5
Lely Aircon B.V.	LA10	HAWT	45	9.6	17500	41.1		II	0.38 (at 6.5-7.5 m/s)	3.5
Britwind	H15 Class II (20 kW version)	HAWT	85	14.5	31400		89.9	II	0.39 (at 6-6.5 m/s)	3
Britwind	H15 Class IV (14 kW version)	HAWT	135	11.8	38000		90.7	IV	0.39 (at 5 m/s)	3
Dakota Turbines	DT-25	HAWT	129	23.9	47800	33.8		II	0.33 (at 5-8 m/s)	2.5
Bestwatt /Lely Aircon B.V.	Bestwind 30 /LA30	HAWT	135	27.2	48800	49.8		II	0.35 (at 7 m/s)	3.5
Solid Wind Power A/S	SWP25-14GT20	HAWT	154	25.2	57000			III	0.41 (at 6 m/s)	3.0

Updated by Sven Ruin, TEROC, 2020-02-06