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List of WTG models

FOWPI team has collected publically available information about various offshore wind turbine manufacturers and their respective models.

The information has been segregated based upon two categories:

1. Wind generators that were used in the past but no longer available in the market
2. Wind generators that are reportedly available in the market

The same has been indicated with different colour codes as:

It is hereby noted that the generator availability is only indicative.

Sr. No.	Manufacturer	Turbine Model	Turbine Capacity (MW)	Manufacturer primarily based in	Availability	Have Been Used for Offshore in the Past
1	ADWEN	ADWEN M5000-135	5.00	France	Yes	Yes
2	ADWEN	ADWEN M5000-116	5.00	France	No	Yes
3	ADWEN	AD 8-180	8.00	France	Yes	No
4	ADWEN	AD 5-132	5.00	France	Yes	Yes

5	Aerodyn Engineering GmbH	SCD 6.0/140	6.00	Germany	Yes	Yes
6	Aerodyn Engineering GmbH	aM 5.0/139	5.00	Germany	Yes	Yes
7	Bard	Bard 6.5	6.50	Germany	No	Yes
8	Bard	Bard 5.0	5.00	Germany	No	Yes
9	CSIC Haizhuang	H151-5.0 MW	5.00	China	Yes	Yes
10	Doosan	WindS5500	5.50	Korea	Yes	Yes
11	GE	Halide-X	12.00	USA	Yes(Prototype)	No
12	GE	GE 4.1-113	4.10	USA	Yes	No
13	GE	GE 3.6 MW Offshore	3.60	USA	Yes	Yes
14	GE	GE Halide 150-6 MW	6.00	USA	Yes	Yes
15	GE Energy	Enron EW 1.5s(Old Model)	1.50	USA	No	Yes
16	Goldwind	Goldwind GW 100/1500	1.50	China	Yes	Yes
17	Goldwind	Goldwind GW 100/2.5 MW	2.50	China	Yes	Yes
18	Goldwind	Goldwind GW 121/3 MW	3.00	China	Yes	-
19	Goldwind	Goldwind GW 150/6 MW	6.00	China	Yes	Yes

20	Goldwind	GW 154/6.7 MW	6.70	China	Yes	No
21	Goldwind	GW 164/6.45	6.45	China	Yes	No
22	Goldwind	GW 171/6.45	6.45	China	Yes	No
23	Guangdong Mingyang	Mingyang 1.5 s	2.00	China	Yes	Yes
24	Guodian	Guodian UP82-1500	1.50	China	Yes	Yes
25	Guodian	Guodian UP3000-100	3.00	China	Yes	-
26	Guodian	Guodian UP6000-136	6.00	China	Yes	Yes
27	Hitachi Ltd.	HTW5.0-126	5.00	Japan	Yes	-
28	Hitachi Ltd.	HTW5.2-136	5.20	Japan	Yes	Yes
29	Hitachi Ltd.	HTW5.2-127	5.20	Japan	Yes	No
30	Hyundai Heavy Ltd.	HHI 5.5-140	5.50	Korea	Yes	-
31	Japan Steel Works	JSW J82-2.0	2.00	Japan	Yes	Yes
32	Ming Yang Wind Power	MySE5.5-155	5.50	China	Yes	Yes
33	Ming Yang Wind Power	SCD 3MW	3.00	China	Yes	Yes
34	Ming Yang Wind Power	SCD 6.5 MW	6.50	China	Yes	Yes
35	Ming Yang Wind Power	SCD 6.0	6.00	China	Yes	Yes
36	Mitsubishi Heavy Ind.	MWT92 2.4 MW	2.40	Japan	Yes	Yes
37	MHI Vestas Offshore	V164-10 MW	10.00	Denmark	Yes	Yes

38	MHI Vestas Offshore	V 174/9.5 MW	9.50	Denmark	Yes	Yes
39	MHI Vestas Offshore	V112/3300	3.30	Denmark	Yes	Yes
40	MHI Vestas Offshore	V 164/9.5 MW	9.50	Denmark	Yes	Yes
41	NEG Micon	NEG Micon NM72/2000	2.00	Denmark	No	Yes
42	NEG Micon	Wind World W-3700/500 kW	0.50	Denmark	No	Yes
43	Nordex	Nordex N90/2300	2.53	Germany	Yes	Yes
44	Nordex	Nordex N90/2500	2.50	Germany	Yes	Yes
45	Samsung Heavy Industries	7.0-171 (7000 kW, 171.2 m diameter)	7.00	South Korea	No	Yes(Prototype only)
46	Sany	Sany Electric SE93203-S3	2.00	China	Yes	Yes
47	Senvion	Repower 5M	5.00	Germany	No	Yes
48	Senvion	Repower 6.2M-126	6.15	Germany	Yes	Yes
49	Senvion	6.2M152	6.15	Germany	Yes	Yes
50	Shanghai Electric	W3600-116	3.60	China	Yes	Yes
51	Shanghai Electric	W3600-122-90	3.60	China	Yes	Yes
52	Shanghai Electric	SEWIND W2000M	2.00	China	Yes	Yes
53	Siemens	Bonus 2.0 MW/76	2.00	Denmark	No	Yes

54	Siemens	Bonus 2.3 MW/82	2.30	Denmark	No	Yes
55	Siemens	Siemens SWT-2.3-101	2.30	Denmark	No	Yes
56	Siemens	Siemens SWT-2.3-82 VS	2.30	Denmark	No	Yes
57	Siemens	Siemens SWT-2.3-93	2.30	Denmark	No	Yes
58	Siemens	Siemens SWT-3.6-107	3.60	Denmark	No	Yes
59	Siemens	Siemens SWT-3.6-120	3.60	Denmark	No	Yes
60	Siemens	Siemens SWT-4.0-120	4.00	Denmark	Yes	Yes
61	Siemens	Siemens SWT-6.0-120	6.00	Denmark	No	Yes
62	Siemens	Siemens SWT-6.0-154	6.00	Denmark	Yes	Yes
63	Siemens	Siemens SWT-7.0-154	7.00	Denmark	Yes	Yes
64	Siemens	Siemens SWT-8.0-154	8.00	Denmark	Yes	Yes
65	Siemens	Siemens SWT-3.2-113	3.20	Denmark	Yes	Yes
66	Siemens	Siemens SWT-4.0-130	4.00	Denmark	Yes	Yes
67	Siemens	Siemens SWT-3.0-113	3.00	Denmark	Yes	Yes
68	Siemens	Siemens SWT-3.0-108	3.00	Denmark	Yes	Yes

69	Siemens	Siemens SWT-2.5-108S	2.50	Denmark	Yes	Yes
70	Siemens Gamesa	SG 8.0-167 DD	8.00	Denmark	Yes	Yes
71	Sinovel	Sinovel SL3000/90	3.00	China	Yes	Yes
72	Sinovel	Sinovel SL3000/105	3.00	China	Yes	-
73	Sinovel	Sinovel SL5000/126	5.00	China	Yes	Yes
74	Sinovel	Sinovel SL6000/155	6.00	China	Yes	Yes
75	Sinovel	Sinovel SL3000/113	3.00	China	Yes	Yes
76	Sinovel	Sinovel SL6000/128	6.00	China	Yes	Yes
77	Sinovel	Sinovel SL5000/155	5.00	China	Yes	Yes
78	STX Heavy Industries	STX 72	2.00	Korea	Yes	Yes
79	Subaru	Subaru 80/2.0 MW	2.00	Japan	No	Yes
80	Vestas	Vestas V112-3.0 MW	3.00	Denmark	No	Yes
81	Vestas	Vestas V39-500 kW	0.50	Denmark	No	Yes
82	Vestas	Vestas V47-660 kW	0.66	Denmark	No	-
83	Vestas	Vestas V66-2.0 MW	2.00	Denmark	No	Yes
84	Vestas	Vestas V80-2.0 MW	2.00	Denmark	No	Yes

85	Vestas	Vestas V80-2.0 MW	2.15	Denmark	No	Yes
86	Vestas	Vestas V90-3.0 MW	3.00	Denmark	No	Yes
87	Vestas	V105/3600	3.60	Denmark	Onshore Turbine but potentially adapted for offshore	-
88	Vestas	V117/3450	3.45	Denmark	Onshore Turbine but potentially adapted for offshore	-
89	Vestas	V136/4.2	4.20	Denmark	Yes (To be introduced)	No
90	WinWinD	WinWind WWD-3	3.00	Finland	No	Yes
91	XEMC	XD115-5 MW	5.00	China	Yes	-
92	XEMC	XE 128-5 MW	5.00	China	Yes	Yes

For further reading reference, kindly refer to "Offshore Turbines, Ten of the Biggest in Production" Wind Power Monthly, Page 36, September 2018.

Updated on: **March 2019**

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Nodal Ministry for Offshore Wind Energy

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