

Certificate No.	Type No. of Product	Name of Registrant	Standards	Reference Annual Energy Production (kWh)	Reference Power (kW)	Reference Sound Level (dB(A))	Date Issued	Date Expired	Date Changed	Revision	Remark
TC-0002	Z-9000	ZEPHYR CORPORATION	JSWTA0001	9,167	4.7	53	2018/08/29	2023/02/19	2018/08/29	3	—
TC-0003	DS3000	HI-VAWT Technology Corp.	JSWTA0001	2,669	1.8	59	2019/09/27	2023/06/02	2020/07/31	7	Different Reference Power etc are depended on combination of Wind turbine and PCS
				2,514	1.9	59					
				2,882	2.0	59					
TC-0004	WINDSPOT3.5KW	Japanlife Co., Ltd.	JSWTA0001	4,818	3.2	43	2013/07/18	2018/07/17	2015/02/03	2	Temporary suspension of shipment from 1st February 2021* (*Due to imcompletion of Renewal)
TC-0006	EXCEL10	Bergey WindPower Co.	JSWTA0001	13,842	8.9	51	2013/12/12	2018/12/11	2016/09/14	1	Temporary suspension of shipment from 1st February 2021* (*Due to imcompletion of Renewal)
TC-0008	Xzeres 442SR	Xzeres Corp.	JSWTA0001	16,899	10.4	57	2014/09/10	2019/09/09	2016/09/05	1	Different Reference Power etc are depended on combination of Wind turbine and PCS  Temporary suspension of shipment from 9th April 2019
				14,853	9.5	57					
TC-0010	GW133	Gaia-Wind Ltd.	JSWTA0001	27,502	10.7	52	2014/10/14	2019/10/13	2016/07/25	1	Temporary suspension of shipment from 1st February 2021* (*Due to imcompletion of Renewal)
TC-0011	Winderas S	Ennera Energy and Mobility S.L.	JSWTA0001	6,179	3.1	49	2015/02/20	2020/02/19	—	0	Temporary suspension of shipment from 1st February 2021* (*Due to imcompletion of Renewal)
TC-0014	GHRE19.8J	PROSPEC AZ Inc.	JSWTA0001	65,400	19.7	57	2021/06/07	2026/03/23	2021/06/07	2	Different Reference Power etc are depended on generator types
				63,800	19.6	54					
TC-0015	TN 535	Tozzi Nord srl	JSWTA0001	37,410	10.2	49	2017/01/16	2022/01/15	—	0	Temporary suspension of shipment from 9th May 2022* (*Due to imcompletion of Renewal)
TC-0016	LC9800	Life Communication CO., LTD	JSWTA0001	19,882	9.6	56	2017/02/10	2022/02/09	—	0	Temporary suspension of shipment from 9th May 2022* (*Due to imcompletion of Renewal)
TC-0017	CF20JAPAN	Turbine Maintenance LLC	JSWTA0001	46,924	19.3	53	2017/02/28	2022/02/27	2021/02/01	1	Temporary suspension of shipment from 9th May 2022* (*Due to imcompletion of Renewal)
TC-0018	HY16/19.7	HY ENERGY CO., LTD	JSWTA0001	65,500	19.7	59	2017/02/28	2022/02/27	2018/08/29	2	Temporary suspension of shipment from 30th May 2019
TC-0019	Osiris10	Ningbo Ginlong Technologies Co., Ltd.	JSWTA0001	22,429	8.3	56	2017/04/25	2022/04/24	—	0	Temporary suspension of shipment from 9th May 2022* (*Due to imcompletion of Renewal)
TC-0020	SWP19.8-14TV20	Solid Production A/S	JSWTA0001	50,500	18.6	49	2017/07/11	2022/07/10	2019/06/07	2	Temporary suspension of shipment from 17th February 2020
TC-0021	ANE AH-10KW	S.B.I CO., LTD.	JSWTA0001	21,186	9.8	57	2017/10/13	2022/10/12	—	0	—
TC-0022	Victory16-20	Tozzi Nord srl	JSWTA0001	64,278	19.8	63	2019/03/15	2024/03/14	—	0	Different Reference Power etc are depended on combination of Wind turbine and PCS
				59,968	18.9	63					
TC-0023	RW9K-M-JA-04	Riamwind Co., Ltd.	JSWTA0001	12,536	7.4	59	2019/06/27	2024/06/26	—	0	—
TC-0024	FD16-19.2	SHANGHAI GHREPOWER GREEN ENERGY CO., LTD.	JSWTA0001	63,900	19.1	55	2019/07/29	2024/07/28	—	0	—
TC-0025	FX EVO 16-20-OK	ESPE S.r.l.	JSWTA0001	63,020	19.2	50	2020/11/25	2025/11/24	2020/02/05	1	—

Note 1) Reference Annual Energy Production: The calculated total energy that would be produced during a one year period at an average wind speed of 5m/s, assuming a Rayleigh wind speed distribution, 100% availability

Note 2) Reference Power: Power output at a wind speed of 11m/s

Note 3) Reference Sound Level: The sound pressure level at an observer distance of 25m from the rotor center when the turbine is subjected to a wind speed of 8m/s at its rotor center

Note 4) The registrant of suspended small wind turbines shall not ship the product. To resolve the suspension, the registrant shall solve problems that have caused the suspension within the period specified by ClassNK. If the registrant can't solve problems, the certification will be cancelled.

Note 5) Evaluation for renewal shall be conducted within the expiration date of the certificate.