

VESTAS V80-2.0MW 2000 80.0

Company VESTAS Hub height 100m only as Dibt certification.
Type/Version V80-2.0MW
Rated power 2 000,0 kW
Secondary generator 0,0 kW
Rotor diameter 80,0 m
Tower Tubular
Grid connection 50 Hz

Origin country DK
Blade type VESTAS 39
Generator type One generator
Rpm, rated power 16,7 rpm
Rpm, initial 9,0 rpm
Hub height(s) 78,0; 60,0; 67,0; 100,0 m
Maximum blade width 3,52 m
Blade width for 90% radius 0,50 m
Valid Yes
Creator EMD
Created 2000-11-20 11:15
Edited 2000-11-20 11:15



Power curve: Level 0 - calculated - 105.1 dB(A) - 06-2002

Source Manufacturer

Source date	Creator	Created	Edited	Default	Stop windSpeed [m/s]	Air density [kg/m3]	Tip angle [°]	Power control	CT curve type
2002-06-11 00:00	EMD	2000-11-16 13:56	2005-06-28 11:53	No	25,0	1,225	0,0	Pitch	User defined

Calculated, guaranteed power curve for standard operation according to technical specification item no.: 944406.R11 and confirmed by item no: 944406.12 dated 2004-01-15. Ct-values based on item no: 944421.R1 dated 2000-06-16.

Please contact Vestas for information on the latest powercurve.

Power curve

Wind speed [m/s]	3,00	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00	13,00	14,00	15,00	16,00	17,00
Power [kW]	0,00	66,30	152,00	280,00	457,00	690,00	978,00	1 296,00	1 598,00	1 818,00	1 935,00	1 980,00	1 995,00	1 999,00	2 000,00
Ce	0,000	0,336	0,395	0,421	0,433	0,438	0,436	0,421	0,390	0,342	0,286	0,234	0,192	0,159	0,132

Wind speed [m/s]	18,00	19,00	20,00	21,00	22,00	23,00	24,00	25,00
Power [kW]	2 000,00	2 000,00	2 000,00	2 000,00	2 000,00	2 000,00	2 000,00	2 000,00
Ce	0,111	0,095	0,081	0,070	0,061	0,053	0,047	0,042

Ct curve

Wind speed [m/s]	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00	12,00	13,00	14,00	15,00	16,00	17,00	18,00	19,00	20,00	21,00	22,00	23,00	24,00	25,00
Ct	0,82	0,81	0,80	0,81	0,81	0,78	0,74	0,65	0,57	0,41	0,31	0,25	0,20	0,17	0,14	0,12	0,10	0,09	0,08	0,07	0,06	0,05