

Input forces in axis X and Z.

They have been measured experimentally in laboratory for a whole rotation. We obtained one value each 2°. These forces are due to the wind and they have been used as input data in our program.

Pos [degr]	Fx1 [N]	Fz1 [N]
0	0,32449	0,53906
2	0,35729	-0,55429
4	0,42326	-1,64987
6	0,52051	-2,70774
8	0,65173	-3,76726
10	0,81217	-4,76734
12	0,99904	-5,71479
14	1,20913	-6,58261
16	1,4368	-7,32596
18	1,67567	-7,91486
20	1,917	-8,29171
22	2,14055	-8,27521
24	2,44674	-6,63252
26	2,87105	-6,08967
28	3,24904	-5,52848
30	3,59744	-5,44019
32	3,97539	-5,41951
34	4,33621	-5,48868
36	4,6679	-5,53883
38	4,98162	-5,56691
40	5,28762	-5,57971
42	5,59898	-5,59089
44	5,9204	-5,59288
46	6,22647	-5,56422
48	6,52471	-5,51317
50	6,82966	-5,45208
52	7,12934	-5,37102
54	7,41974	-5,26657
56	7,73641	-5,16505
58	8,05921	-5,05374
60	8,35926	-4,9065
62	8,64556	-4,74329
64	8,91066	-4,56084
66	9,1428	-4,34759
68	9,38502	-4,12903
70	9,59768	-3,88825

72	9,85513	-3,65892
74	10,2014	-3,44183
76	10,4764	-3,19054
78	10,8407	-2,60415
80	10,9719	-2,29011
82	11,0375	-1,95947
84	11,0713	-1,61677
86	11,0781	-1,27582
88	11,0785	-1,27593
90	11,054	-0,93253
92	11,0003	-0,58794
94	10,9294	-0,24654
96	10,8378	0,08567
98	10,6813	0,4058
100	10,4579	0,7142
102	10,2772	1,01864
104	10,0973	1,31137
106	9,88319	1,58079
108	9,63763	1,83049
110	9,33725	2,05348
112	8,96955	2,24857
114	8,70047	2,45337
116	8,42028	2,63779
118	8,16145	2,82632
120	7,82383	2,95077
122	7,4893	3,07025
124	7,15582	3,17947
126	6,80365	3,25581
128	6,44332	3,30804
130	6,08957	3,33948
132	5,75116	3,35885
134	5,42195	3,34987
136	5,13303	3,36739
138	4,86434	3,38344
140	4,57925	3,36832
142	4,28964	3,3393
144	3,99752	3,2885
146	3,70588	3,21555
148	3,42539	3,14698
150	3,13502	3,0442
152	2,83394	2,89794
154	2,54915	2,79346
156	2,25842	2,69242

158	1,89278	2,45765
160	1,62686	2,72349
162	1,3881	3,00113
164	1,26515	3,67656
166	1,12951	3,98149
168	0,98734	4,04739
170	0,83667	3,85918
172	0,68384	3,40911
174	0,54043	2,71227
176	0,4207	1,82291
178	0,34087	0,83002
180	0,30808	-0,1943
182	0,32355	-1,17506
184	0,38564	-2,08483
186	0,48581	-2,7701
188	0,61455	-3,23121
190	0,75984	-3,41964
192	0,91058	-3,29399
194	1,07174	-2,88606
196	1,24942	-2,46414
198	1,4735	-1,96813
200	1,69526	-1,76997
202	1,96158	-1,76829
204	2,21152	-1,95862
206	2,4282	-1,98276
208	2,64419	-2,04043
210	2,84311	-2,06743
212	3,00037	-2,02837
214	3,12161	-1,96462
216	3,19282	-1,85781
218	3,21999	-1,73222
220	3,20384	-1,59741
222	3,10684	-1,43576
224	2,96433	-1,28235
226	2,75505	-1,13102
228	2,48559	-0,98413
230	2,15676	-0,84745
232	1,7548	-0,71983
234	1,82757	-0,83738
236	2,16621	-1,04633
238	2,58431	-1,21693
240	2,87132	-1,26412
242	3,38888	-1,38386

244	4,13796	-1,55529
246	5,01846	-1,71721
248	6,08577	-1,85527
250	7,25992	-1,90399
252	8,48026	-1,80944
254	9,64817	-1,59731
256	10,3943	-1,24858
258	10,6663	-0,85425
260	10,644	-0,4922
262	10,4462	-0,17317
264	10,126	0,10761
266	9,86521	0,36168
268	9,58264	0,58282
270	9,45091	0,80421
272	9,40538	1,02858
274	9,50356	1,28941
276	9,63656	1,59504
278	9,81474	1,94912
280	10,0219	2,32769
282	10,2205	2,72539
284	10,3048	3,13274
286	10,1291	3,50476
288	9,59782	3,77873
290	8,72949	3,89691
292	7,62104	3,82244
294	6,37653	3,51862
296	5,2265	3,09805
298	4,28439	2,70601
300	3,53334	2,37726
302	2,78922	1,98312
304	2,1793	1,60246
306	1,76693	1,32469
308	1,53903	1,1351
310	1,3903	0,94808
312	1,68446	1,12457
314	2,26202	1,56501
316	2,73449	2,04644
318	3,13084	2,53795
320	3,43797	3,05593
322	3,633	3,55102
324	3,70971	4,01068
326	3,65106	4,38728
328	3,55211	4,91821

330	3,40667	5,446
332	3,21239	5,83326
334	2,98928	6,15881
336	2,62173	6,69402
338	2,43711	7,36443
340	2,06482	7,70759
342	1,69274	8,71314
344	1,43541	8,52057
346	1,17002	7,82999
348	0,93259	6,98311
350	0,72975	6,00243
352	0,56862	4,9432
354	0,44804	3,86194
356	0,36738	2,77756
358	0,3254	1,69618
360	0,32449	0,53906
362	0,35729	-0,55429