

NORWIN 29-Stall-225 kW**Foundation loads**

40 m hub high.

Extreme wind speed:

64 m/s

Mean wind speed:

9.3 m/s

Extreme loads on foundation (bottom flange of tower):**Notice!**All extreme loads are **including** a load safety factor of:

1.35

Except for vertical load from tower and nacelle mass including a safety factor of:

0.90

Vertical load	kN :	274
Shear force	kN :	370
Bending moment	kNm :	11392
Torsion	kNm :	407

Equivalent fatigue loads on foundation (bottom flange of tower):

Calculated for the load number: 1.0 x 10E7

Equivalent fatigue loads for different S/N curve slopes:

S/N:	Shear force: kN	Bending moment: kNm
3	39,1	1833
4	31.4	1460
6	27.8	1284
8	27.9	1288
10	29.0	1332
12	30.1	1384

Mean loads on foundation (bottom flange of tower):

Shear force	kN :	27
Bending moment	kNm :	1248