



Instruction of Foudation Design

- 1、 Wind turbine foundation bearing capacity $\geq 120\text{Kpa}$, The actual project that the silty clay layer as the assumptions hold the bearing layer , applies to both soft rock and hard rock bearing stratum.
- 2、 Material:
Steel: Q235; welding rod: E43; concrete : C20;
Reinforcing steel bar: $\text{Ø}10$:HPB235, $f_y=210\text{N/mm}$,
 $\text{Ø}12$:HRB335, $f_y=300\text{N/mm}$
Thickness of the steel bar protection :30mm,
Thickness of the foundation steel bar protection:50mm
- 3、 Mix proportion of concrete cement: stone: sand: water
C10 1 (325#cement) 2.45 1.64 0.6 (proportion by weight)
C20 1 (425#cement) 2.55 1.70 0.6 (proportion by weight)
- 4、 All the steel used in this project must descaling, descaling level :St2
Painting Hongdan Series, (Oily antirust paint , alkyd or phenolic antirust paint)
Primer two times, red alkyd enamel over the fire
- 5、 After tower installtion, Use C10 Concerte cover the feet to aviod bolts rust.
- 6、 Foundation slab of the length of the reinforced desirable side length of 0.9 times and staggered arrangement .
- 7、 Equipment to the center of the foundation , the rotation diameter is 6 m , the foundation site Note Away from the occluder .
- 8、 If have any questions ,should contact our design engineer .

Pic 1. Foundation

* The drawing is only for reference, please make the object as the standard.

	ITEM NO.	V-3KW		
	STYLE NO.	Foundation:6m FREE STAND TOWER		
	SCALE		DESIGNED	
	DRG. NO		CHECKED	
SHEET		DATE	2020. 10	APPROVED