

# 537 (Wind Technik Nord)

## Main data

Rated power: 500 kW  
Rotor diameter: 37 m  
Old model  
Offshore model: no

## Rotor

Number of blades: 3  
Type: Pitch  
Swept area: 1075.2 m<sup>2</sup>  
Power density: 2.15 m<sup>2</sup>/kW  
Maximum speed: 30 rd/min  
Manufacturer: LM Glasfiber

## Tower

Minimum hub height: 40 m  
Maximum hub height: 50 m

## Weights

Nacelle: 21 t  
Rotor + hub: 7 t  
Tower: 30 t  
Total: 58 t

## Gearbox

Gearbox: yes  
Stages: 3  
Gear ratio: 50  
Manufacturer: Köllmann

## Wind speeds

Cut-in wind speed: 4 m/s  
Rated wind speed: 14 m/s  
Cut-off wind speed: 25 m/s

## Generator

Type: ASYNC  
Number: 1  
Maximum speed: 1500 rd/min  
Voltage: 690 V  
Manufacturer: Weier