

# V150-4.2 MW™

## IEC IIIB/IEC S

### Facts & figures

**POWER REGULATION** Pitch regulated with variable speed

#### OPERATING DATA

Rated power 4,000 kW/4,200 kW  
 Cut-in wind speed 3m/s  
 Cut-out wind speed 22.5m/s  
 Re cut-in wind speed 20m/s  
 Wind class IEC IIIB/IEC S  
 Standard operating temperature range from -20°C\* to +45°C with de-rating above 30°C (4,000 kW)

\*subject to different temperature options

#### SOUND POWER

Maximum 104.9dB(A)\*\*

\*\*Sound Optimised modes dependent on site and country

#### ROTOR

Rotor diameter 150m  
 Swept area 17,671m<sup>2</sup>  
 Air brake full blade feathering with 3 pitch cylinders

#### ELECTRICAL

Frequency 50/60Hz  
 Converter full scale

#### GEARBOX

Type two planetary stages and one helical stage

#### TOWER

Hub heights Site and country specific

#### NACELLE DIMENSIONS

Height for transport 3.4m  
 Height installed (incl. CoolerTop®) 6.9m  
 Length 12.8m  
 Width 4.2m

#### HUB DIMENSIONS

Max. transport height 3.8m  
 Max. transport width 3.8m  
 Max. transport length 5.5m

#### BLADE DIMENSIONS

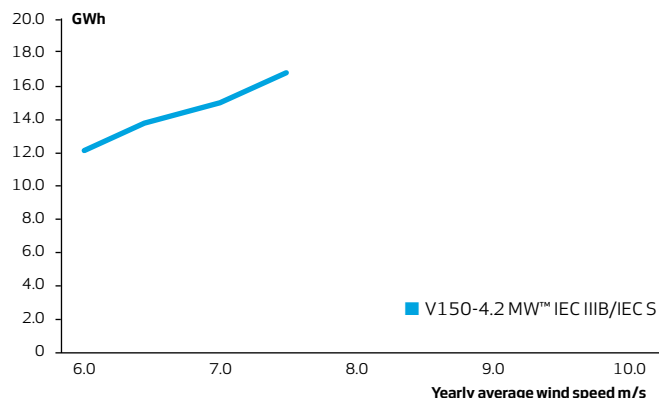
Length 73.7m  
 Max. chord 4.2m

Max. weight per unit for transportation 70 metric tonnes

#### TURBINE OPTIONS

- 4.2 MW and 4.5 MW Power Optimised Modes (site specific)
- Load Optimised Modes down to 3.6 MW
- Condition Monitoring System
- Service Personnel Lift
- Vestas Anti-Icing System™
- Vestas Ice Detection
- Low Temperature Operation to -30°C
- Fire Suppression
- Shadow detection
- Vestas Bat Protection System
- Aviation Lights
- Aviation Markings on the Blades
- Vestas IntelliLight®

#### ANNUAL ENERGY PRODUCTION



#### Assumptions

One wind turbine, 100% availability, 0% losses, k factor = 2, Standard air density = 1.225, wind speed at hub height