

V150-5.6 MW™ IEC S

Facts & figures

POWER REGULATION Pitch regulated with variable speed

OPERATING DATA

Rated power 5,600 kW
 Cut-in wind speed 3m/s
 Cut-out wind speed* 25m/s
 Wind class IEC S
 Standard operating temperature range from -20°C** to +45°C

*High Wind Operation available as standard

**Subject to different temperature options

SOUND POWER

Maximum 104.9 dB(A)***

***Sound Optimised Modes available dependent on site and country

ROTOR

Rotor diameter 150m
 Swept area 17,671m²
 Aerodynamic brake full blade feathering with 3 pitch cylinders

ELECTRICAL

Frequency 50/60Hz
 Converter full scale

GEARBOX

Type two planetary stages

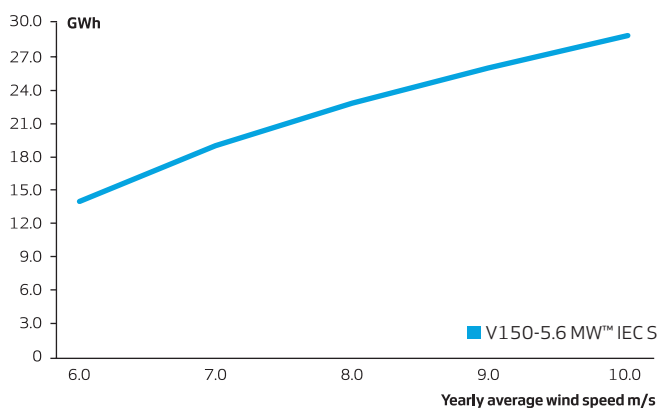
TOWER

Hub height 105m (IEC S), 125m (IEC S/DIBt S),
 148m (DIBt S), 155m (IEC S), 166m (DIBt S)

TURBINE OPTIONS

- Condition Monitoring System
 - Oil Debris Monitoring System
 - Service Personnel Lift
 - Low Temperature Operation to -30°C
 - Vestas Ice Detection™
 - Vestas Anti-Icing System™
 - Vestas IntelliLight®
 - Vestas Shadow Detection System
 - Aviation Lights
 - Aviation Markings on the Blades
 - Fire Suppression System
 - Increased Cut-In Wind Speed
 - Lightning Detection System
 - Load Optimised Modes
-

ANNUAL ENERGY PRODUCTION



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