

# **\*\* TECHNICAL DATA**



# VENSYS82

# 1.8 MW

## **Operating data**

Rated power 1.8 MW
Cut-in wind speed 3 m/s
Cut-out wind speed 22 m/s
Operating temperature -20 °C to +40 °C

(De-rating possible from 30 °C)

### **Sound power**

Optimized for maximum performance 105.8 dB(A) (Sound-reduced operating modes available)

## **Rotor**

Diameter 82 m
Swept area 5,281 m²
Rotational direction Clockwise
Rated speed 18.25 rpm
Blade type EBT 40
Power control Pitch
Primary braking system Single-blade adjustment,
triple redundant

# Generator

Type Synchronous generator with permanent magnet excitation Construction type Direct drive

## Yaw system

Construction principle Geared electric motors
Braking system Hydraulic brake calipers

#### Converter

Type IGBT full power converter Frequency 50 Hz/60 Hz

#### **Tower**

 $\begin{array}{ll} \text{Hub heights} & 58.7\,\,\text{m}\,|\,\,83.7\,\,\text{m}\,|\,\,100\,\,\text{m} \\ \text{Material} & \text{Steel tube tower} \end{array}$ 

#### **Design**

Hub heights 58.7 m | 83.7 m IEC IIA Hub height 100 m IEC IIIA

# POWER CURVE VENSYS 82

ø Wind speed [m/s]	AEP [MWh]
5.0	2,894.8
5.5	3,649.1
6.0	4,418.7
6.5	5,178.6
7.0	5,909.4
7.5	6,596.3
8.0	7,228.0
8.5	7,796.3

