

energy-age



wind[®]
Ltd.&Co.KG

eightwind

The other

Generation

of

wind-power systems



energy-age-wind

Data sheet 5kW - system

5 kW - systems

eightwind EW 125/5

The figure shows our wind-power-system type eightwind EW 125/5 with a rated power of 5 KW. This type of system is adapted for areas with high wind speeds as well as for areas with low wind speeds. By its high yearly performance this system is adapted for both private and commercial utilisation:

- Energy generation for apartment building and apartment complexes
- Hot water recovery from energy surplus
- Summer residences

Commercial utilization:

- Small and medium sized office buildings
- Pensions
- Farming
- Gastronomy
- Soccer halls
- On - top systems in commercial parks



By using modular concept this type of system can be transported and locally installed in an easy way:

Power

Rated power	5 KW
Rated wind speed	8,5 m/s
Starting wind speed	1,5 m/s
Breaking wind speed	none
Surviving wind speed	55 m/s

Rotor

Cross direction dimension	160 cm
Windload area	6 m ²
Rotor faces	3
Rated rotation speed	150 rpm
Material	Alu/ PE/ plywood

Korpus

Height	4 m
Breadth	2,5 m
Depth	3,5 m
Material	Alu/ steel/ synthetics

Actuation

Construction toothed belt disc and toothed belt

Generator

Construction optionally synchron durable energised or asynchronous net conducted
Rated rotator speed 785 - 1100 rpm
Rated voltage 400 V - 600 V
Protection class IP 54

Application for autartic electricity supply

Charge supply for indoor assembly 12 V/ 24 V/ 230 V
Protection class IP 33
Overplus generation hot water recovery

Application with network supply

Network circuit engineering inverter
Type windyboy SMA

Total weight/ total height

Total weight corpus 1,2 t
Total height with tower from 8,5 m

Features

Sound emissions natural wind sound
Optical characteristics no cast shadow, minor system height