

5 kW-systems

eightwind EW 160/5



The figure shows our wind-power-system type eightwind EW 160/5 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 section 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

Wind direction adjustment system

Yaw system	self-turning with vane
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Actuation

Construction	toothed belt disc and toothed belt
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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

Please ask for detailed Information about:

- **acoustic sound measurement report**
- **Data sheet 5kW – system**
- **Technics A-Z**
- **Profitability 5kW**
- **Output curve EW 125/5 KW (Prototype)**
- **Production site analysis**
- **General terms of delivery and payment**
- **Order form 5kW - system**