

Wind Turbine Demonstrator 579766 (8216-D0)

FESTO

LabVolt Series

Datasheet



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General Description

The Wind Turbine Demonstrator is an actual small-scale wind turbine modified to display the main internal components. The wind turbine has a fixed-pitch, three blade rotor that is directly coupled to the generator. The wind turbine is mounted atop a sturdy metal pole at a height that facilitates observation of the internal components. Casters at the base of the metal pole makes the whole unit easy to move. The casters have a built-in brake system to stabilize the unit when in place.

Openings made in the wind turbine nacelle allow observation of the main internal components, i.e., the generator and controller. The bladed rotor of the wind turbine is locked in place to reduce the risk of injuries.

Specifications

Parameter	Value
Wind Turbine Type	Direct drive, fixed-pitch three blade rotor
Blade Radius	62.2 cm (24.5 in)
Nacelle Length	67.6 cm (26.6 in)
Physical Characteristics	
Dimensions (H x W x D)	1800 x 991 x 991 mm (71.0 x 39.0 x 39.0 in)
Net Weight	21.8 kg (48 lb)

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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