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ASELSAN WIND TURBINE ART4.X

THE FIRST WIND TURBINE ABOVE MW RANGE PRODUCED IN TÜRKİYE
HIGH LOCALIZATION (>65%)

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Operating Data

- Rated Power : 4.3 MW
- Cut-in wind Speed : 3 m/s
- Cut-out wind Speed : 25 m/s

Gearbox

- Type : 3-stage

Tower

- Type : Tubular Steel Tower
- Hub Height : 80-130 m

Rotor

- Rotor Diameter : 136-147 m
- Swept area : 14526-16971 m²
- Brake : Aerodynamic Brake (pitch)/Mechanical Disc Brake

Regulation

- Power Regulation : Pitch Control
- Rated Frequency : 50 to 60 Hz

Standards

- IEC 61400 Series, OD 501 Series
- Class : TC2, TC3, S

ASELSAN developed generator, power converter, control system and SCADA system to be used on the ART4.X platform.



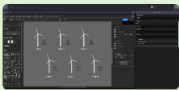
Generator

- $\geq 4,3$ MW, 0.9 Pf
- Squirrel Cage Asynchronous Generator



Full Scale Power Converter

- 5 MW
- 4 Quadrant
- Water Cooling
- According to IEC 61400-1, IEC 62477-1, IEC 61800-3



ASELSAN Plant Controller ve SCADA System

- Extensible system architecture
- Flexible configuration
- High availability

