Ninety years of experience in production of AC power generators (asynchronous and synchronous), transformers, high and low voltage switchgears, along with vast experience in the field of power electronics and control systems has made it possible for KONČAR to enter the world of wind energy.

Willing to adopt new technologies and to act environmentally friendly using its own human and physical resources KONČAR has developed 1 MW and 2.5 MW wind turbines, thus joining a small group of wind energy producers in the world.
Wind turbine KO - VA 57 / 1

OPERATION DATA

Rated power 1000 kW
Hub height 60 m
Power regulation variable speed - pitch control
Cut - in wind speed 2.5 m/s
Rated wind speed 12 m/s
Cut - out wind speed 27 m/s
Survival wind speed 59.5 m/s (IEC IIA)
Generator synchronous direct drive variable speed
1000 kW, 690 V
Tower tubular conical steel
Braking system 3 independent control pitch systems
with emergency supply and rotor brake
Rotor Orientation upwind
Number of blades 3
Blade material fiberglass (reinforced epoxy) with
integral lighting protection
Diameter 57 m
Swept area 2588 m²
Speed 10 - 27 rpm
Direction of rotation clockwise
Pitch control 3 blade pitch systems with
emergency supply
Grid connection AC-DC-AC converter
Control microprocessor control system
Yaw system active with damping

KO-VA57/1 power and power coefficient curve ($\rho=1.225$ kg/m³)

We reserve the right to change technical characteristics without notice.