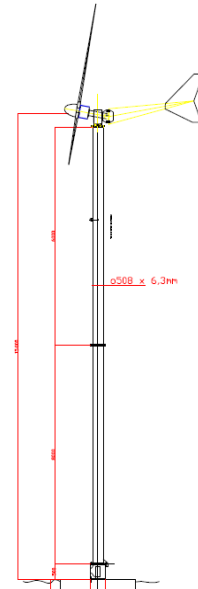




Fortis Alizé 10kW wind turbine system



Part number	Type	Description
10-1-10	Alizé System Grid-Connected, output: 230VAC 3-phase+N+PE	Configuration with automatic brake switch, GFI-10K2 grid feed inverter, 4.3" TFT touch display, 2x dump load boxes, Power Curve programming and build in wind data logger for 2 wind sensors.

Fortis Alizé unique features

- Conforms to IEC 61400-2 international standard
- Upwind, direct drive, fixed pitch, overvoltage protection and emergency braking
- Rectifier & Grid Feed Inverter in one housing
- Power curve according to frequency or voltage
- Maintenance free, 5 year warranty, installation by Fortis Certified System Partner
- Average lifetime for Alizé is over 20 years
- Made in The Netherlands



Technical Specifications

Max. output	10kW
Output @ 11m/sec	8.5kW
Wind speed:	
cut in	3.0 m/sec.
rated	13m/sec.
survival	60 m/sec.
Rotor blades:	
number	3
diameter	6.3 m / 6.6 m / 6.9 m
area	31.2 m ² / 34.2 m ² / 37.4 m ²
airfoil	NLF 416
tip speed ratio	7
material	Fibreglass-reinforced epoxy
Generator:	
type	Permanent Ne-Fe-Br magnets producing 3 phase AC
RPM operation range	25 -300
voltage	from 100 to 400VAC standard other voltages on request
frequency	0-50 Hz
Other:	
gearbox	none
braking mechanism	short circuit of generator, mechanical by furling the tail 90°
rotor speed control	Inclined hinged vane
output control	voltage control with dump load
rectifiers	built inside controller
hub type	rigid
yaw system	passive aligned by tail vane
rotor position	upwind
tower	guyed steel tubular (height: 12- 30m) free standing tube mast (height: 12 -24m)
Head weight	385 kg

Contact us now for more information

FORTIS Wind Energy
Botanicuslaan 14
9751 AC Haren
The Netherlands
Tel.: +31 (0) 50 5515 666
Email: info@fortiswindenergy.com

Your local Fortis partner:

“Company”