



## MOTORISED FURLERS

**Comfort > Power > Reliability**

Hundreds of PROFURL electric and hydraulic genoa reefing systems have been supplied over the last 15 years. These systems are highly performant and have a great reliability; they also offer customers comfort and security.

PROFURL offers motorised headsail furlers for boats from 14 to 18,5 m: NDEC 480 model (electric version), NDHC 480 model (hydraulic version).  
photo: Sunreef Roleeno

# Motorised furlers



## Efficient systems

- > Thanks to the integration of high-performance materials, the special grade cast aluminium housing is protected against corrosion.
- > All the stainless steel parts are insulated from the aluminium housing.
- > The gear ratios have been configured to produce a high output and the ideal speed of rotation. The luff extrusions are engineered to withstand the high torque produced by the gear motor.



## Comfort and ease of use

- > The motorised systems enable you to sail comfortably and safely.
- > The sail can be furled in either direction (depending on the side of the sail that the anti UV strip has been attached).
- > The self-locking mechanism is non-reversible (no manual locking is required to immobilise the extrusions).
- > The noise of the operation is minimal giving little inconvenience.
- > The PROFURL systems do not require any maintenance.



## Low power consumption

- > Power consumption is a crucial feature on a motorised system; the PROFURL systems require a low power supply making special batteries unnecessary.
- > Furling and unfurling operations do not exceed the power consumption of navigation lights during 20 minutes of illumination.



## An easy installation

- > The PROFURL motorised systems can be fitted on the existing forestay, with or without a rigging screw.
- > The special bottom fitting allows customised installation : raised from the deck for easier anchoring, low to the deck for maximum luff length.
- > Converting a manual headsail furler is also possible, by removing the bottom drum mechanism and replacing it with a motorised gear motor.



## Safety

- > In case of power supply failure, the PROFURL motorised system includes a handle socket (handle supplied) located at the rear of the housing, allowing for instant manual operation.

## NDE: ELECTRIC MODELS

- > 8 models available for boats from 13 to 26 m.
- > Available in "Cruising" version (with round extrusions) and "Racing" version (with an aerodynamic oval extrusions).
- > Delivery of the gear motor already pre-wired.
- > Available in 12 or 24 V DC.
- > Length of the extrusion : 2 m.

### Cruising Electric Models (with round profiles)

	NDEC 420	NDEC 430*	NDEC 480	NDEC 520	NDEC 530**
<b>Boat length</b>	from 13 to 15 m	from 14 to 16 m	from 14,5 to 18,5 m	from 16,5 to 18,5 m	from 18,5 to 26 m
<b>Forestay diameter</b>	10 mm	12,7 mm	14,3 mm	16 mm	19 mm
<b>Power of electric motor</b>	700 W (12V) - 800 W (24V)	700 W (12V) - 800 W (24V)	700 W (12V) - 800 W (24V)	700 W (12V) - 800 W (24V)	700 W (12V) - 800 W (24V)
<b>Power supply / amperage</b>	12 V / 60 A	12 V / 60 A	12 V / 60 A	12 V / 60 A	12 V / 60 A
<b>Power supply / amperage</b>	24 V / 50 A	24 V / 50 A	24 V / 50 A	24 V / 50 A	24 V / 50 A

\* NDEC 420 extrusion with C430 swivel. / \*\* NDEC 520 extrusion with C530 swivel.

### Racing Electric Models (with black and oval profile)

	NDER 420	NDER 430	NDER 480
<b>Boat length</b>	from 13 to 15 m	from 14 to 16 m	from 14,5 to 18,5 m
<b>Forestay diameter</b>	10 mm	11,1 mm	12,7 mm
<b>Power of electric motor</b>	700 W (12V) - 800 W (24V)	700 W (12V) - 800 W (24V)	700 W (12V) - 800 W (24V)
<b>Power supply / amperage</b>	12 V / 60 A	12 V / 60 A	12 V / 60 A
<b>Power supply / amperage</b>	24 V / 50 A	24 V / 50 A	24 V / 50 A

## Benefits of the motorised systems

- > Large range of systems.
- > Great comfort with minimum effort.
- > Easy installation on the existing forestay.
- > Minimal sound.
- > Low power consumption.
- > 3 year world wide limited warranty.



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# Motorised furlers

## NDH: HYDRAULIC MODELS

- > 8 models available for boats from 13 to 26 m.
- > Available in "Cruising" version (with round extrusions) and "Racing" version (with an aerodynamic oval extrusions).
- > Connection of the gear motor to the hydraulic pack with 2 feeding hoses finished by a female 7/16" JIC.
- > Available in 100 or 140 maximum operating pressure.
- > Length of the extrusion: 2 m.

### Cruising Hydraulic Models (with round profiles)

	NDHC 420	NDHC 430*	NDHC 480	NDHC 520	NDHC 530**
<b>Boat length</b>	from 13 to 15 m	from 14 to 16 m	from 14,5 to 18,5 m	from 16,5 to 18,5 m	from 18,5 to 26 m
<b>Forestay diameter</b>	10 mm	12,7 mm	14,3 mm	16 mm	19 mm
<b>Maximum operating pressure</b>	100 bars	100 bars	140 bars	140 bars	140 bars
<b>Maximum speed of rotation</b>	30 Rpm	30 Rpm	30 Rpm	30 Rpm	30 Rpm
<b>Maximum flow</b>	15 L / mn	15 L / mn	15 L / mn	15 L / mn	15 L / mn

### Racing Hydraulic Models (with oval profiles)

	NDHR 420	NDHR 430*	NDHR 480
<b>Boat length</b>	from 13 to 15 m	from 14 to 16 m	from 14,5 to 18,5 m
<b>Forestay diameter</b>	10 mm	11,1 mm	12,7 mm
<b>Maximum operating pressure</b>	100 bars	100 bars	140 bars
<b>Maximum speed of rotation</b>	30 Rpm	30 Rpm	30 Rpm
<b>Maximum flow</b>	15 L / mn	15 L / mn	15 L / mn

\* NDHC 420 extrusion with C430 swivel.  
\*\* NDHC 520 extrusion with C530 swivel.

## Frequently asked questions: motorised systems

### Can we transform a manual headsail furler in a motorised furler?

Yes PROFURL offers a motorisation kit enabling a retrofit to an existing manual furler. This kit incorporates a motor gear and fittings

### Do I benefit from a warranty on my motorised system?

Yes, all the PROFURL products benefit an international warranty. The motorised systems have a 3 year worldwide warranty.

### Does my motorised system require maintenance?

No as all the PROFURL systems, the motorised systems do not require any maintenance.

### Is my motorised system noisy?

No, the PROFURL systems generate little noise.

### Does my PROFURL motorised system consume power?

The power consumption of a PROFURL motorised system is low (equal to the consumption of a light bulb during 20 minutes of illumination).

See comparison table on page 7