



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).



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**
Boat length	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
Forestay diameter	10 mm	12,7 mm	14,3 mm	16 mm	19 mm
Power of electric motor	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)
Power supply / amperage	12 V / 60 A	12 V / 60 A	12 V / 60 A	12 V / 60 A	12 V / 60 A
Power supply / amperage	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
Boat length	from 13 to 15 m	from 14 to 16 m	from 14,5 to 18,5 m
Forestay diameter	10 mm	11,1 mm	12,7 mm
Power of electric motor	700 W (12V) - 800 W(24V)	700 W (12V) - 800 W (24V)	700 W (12V) - 800 W(24V)
Power supply / amperage	12 V / 60 A	12 V / 60 A	12 V / 60 A
Power supply / amperage	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**
Boat length	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
Forestay diameter	10 mm	12,7 mm	14,3 mm	16 mm	19 mm
Maximum operating pressure	100 bars	100 bars	140 bars	140 bars	140 bars
Maximum speed of rotation	30 Rpm	30 Rpm	30 Rpm	30 Rpm	30 Rpm
Maximum flow	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
Boat length	from 13 to 15 m	from 14 to 16 m	from 14,5 to 18,5 m
Forestay diameter	10 mm	11,1 mm	12,7 mm
Maximum operating pressure	100 bars	100 bars	140 bars
Maximum speed of rotation	30 Rpm	30 Rpm	30 Rpm
Maximum flow	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