

# NEOMOUV

Living e-bike since 2003

KALYSO 2

KALYSO 2 HY

KALYSO 2 HY N7



## Manuel d'utilisation

Ce manuel contient des instructions importantes pour la sécurité et le fonctionnement.

"Modèle conforme aux exigences de sécurité"



# SUMMARY

<b>1-PREFEELING</b> .....	<b>3</b>
<b>2- REGLASSES / ASSEMBLY</b> .....	<b>4</b>
2.1 Adjusting the saddle .....	4
2.1.1 Inclination.....	4
2.1.2 Height .....	4
2.2 Adjusting the handlebars.....	4
2.3 Adjusting the brakes.....	5
2.3.1 V-Brake type brakes (KALYSO 2) .....	5
2.3.2 Hydraulic brakes (KALYSO 2 HY and KALYSO 2 HY N7).....	6
2.4 Luggage rack.....	7
2.5 Assembly and disassembly of wheels.....	7
2.5.1 Front wheel .....	7
2.5.2 Rear wheel.....	8
2.6 Lighting .....	9
<b>3 - USE OF THE VAE</b> .....	<b>10</b>
3.1 Changing gears .....	10
3.2 Changing gears .....	10
3.3 Changing assistance levels .....	10
3.4 The display and the control.....	11
3.5 Electrical assistance.....	11
3.5.1 Operation .....	11
3.5.2 Performance .....	12
3.5.3 Technical specifications of the assistance system .....	12
3.5.4 Switching on the battery .....	12
3.5.5 The electric motor .....	13
<b>4 - THE BATTERY AND THE CHARGER</b> .....	<b>14</b>
4.1 The battery .....	14
4.1.1 Battery and performance of the VAE .....	14
4.1.2 Precautions for use.....	15
4.2 The 36V charger .....	16
4.2.1 Precautions for use.....	17
<b>5 - ADVICE FOR INCREASING AUTONOMY</b> .....	<b>17</b>
<b>6 - CARE AND MAINTENANCE</b> .....	<b>19</b>
6.1 Maintenance .....	19
6.2 Lubrication .....	19
6.3 Maintenance.....	19
<b>7 - SESAFETY - RECOMMENDATIONS</b> .....	<b>20</b>
<b>8 - GIVEETECHNIQUES</b> .....	<b>21</b>
<b>9 - CERTIFICATE OF CONFORMITY</b> .....	<b>23</b>
<b>10 - WARRANTY CONDITIONS</b> .....	<b>23</b>



# 1-PREFEELING

Thank you for choosing a NEOMOUV Electric Assisted Bike (VAE)



## Notes:

- The - sign indicates important advice, imperative safety measures. Follow the various instructions.
- Certain adjustment and assembly/disassembly operations require special tools and skills; only carry out these if you are experienced, otherwise consult your authorized dealer or a specialist.
- The sign-indicates the tools you will need for adjustment operations.
- Your VAE has a serial number engraved near the bottom bracket or on the bottom of the frame:



**-VS MAXIMUM WEIGHT(BIKE INCLUDED): 120kg. PFOR YOUR SAFETY, YOU SHOULD NOT EXCEED THIS MAXIMUM LOAD WHEN'USING YOUR BICYCLE.**

# 2- REGLASSES / ASSEMBLY

## 2.1 Adjusting the saddle

-6mm Allen key

### 2.1.1 Tilt

Loosen the screw under the saddle.

Adjust the inclination of the saddle to obtain the position best suited to your comfort. Tighten the screw.



### 2.1.2 Height

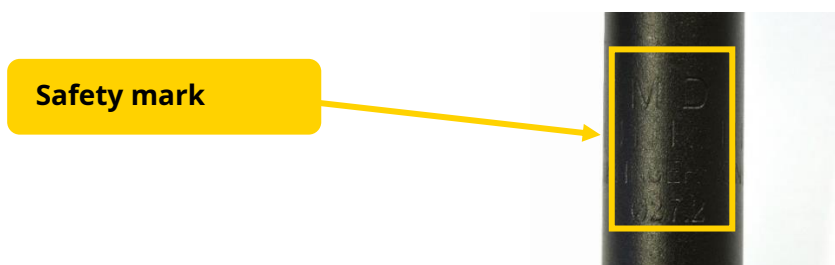
The electrically assisted bicycle allows a lower saddle position than on a conventional bicycle. Thanks to the electric assistance you exert less effort and you can sit lower for better safety. The required height of the user (cyclist) for optimal use of the bicycle is between 1.65 and 1.90 m.

Loosen the quick release.

Sitting on the saddle with your feet wearing shoes suitable for cycling, place a pedal in the low position, place one heel on a pedal, the leg should fall normally without being stiff. Raise or lower the saddle to obtain the correct height.

Lock the quick coupler.

**-THE SADDLE TUBE MUST NOT PROTECT AT-BEYOND THE ENGRAVED SAFETY MARK(VERTICAL BARS):**



## 2.2 Adjusting the handlebars

-5 and 6mm Allen keys

To be comfortable, the position of your handlebars (handlebars) must be at least the same height as your saddle, or higher if you wish. Unscrew at the stem and handlebars to align properly.



-THE STEM MUST NOT EXIT FROM THE STEERING TUBE AT-BEYOND THE ENGRAVED MARK(VERTICAL BARS AND REGISTRATION"MINIMUM INSERTION").



After adjustment, tighten the screw by turning clockwise.

## 2.3 Brake adjustment

-Phillips screwdriver

### 2.3.1 V-Brake type brakes (KALYSO 2)

The brake **Before** is operated by the left handle on the handlebars. The brake **back** is operated by the right handle on the handlebars.

Fully tighten the nut on the brake handle, this adjustment will allow you to compensate for the natural slack of the brake cable later.



Loosen the cable clamp and pull the cable until the pads contact the rim. Tighten the cable clamp (particular attention should be paid to each end of the sheath which must enter without forcing into the housing of each rigid end piece, on the brake handle and V-Brake side.)



The pads are properly adjusted when they are an equal distance from the rim. The final adjustment is to be made by tightening the screws mounted on the pad supports with a Phillips screwdriver (distance of approximately 0.1 to 0.5 mm from the rim).

You have checked your adjustment correctly when the wheel, rotating freely, stops smoothly.

**-Caution: In rainy weather or on wet surfaces, the braking distance increases!**

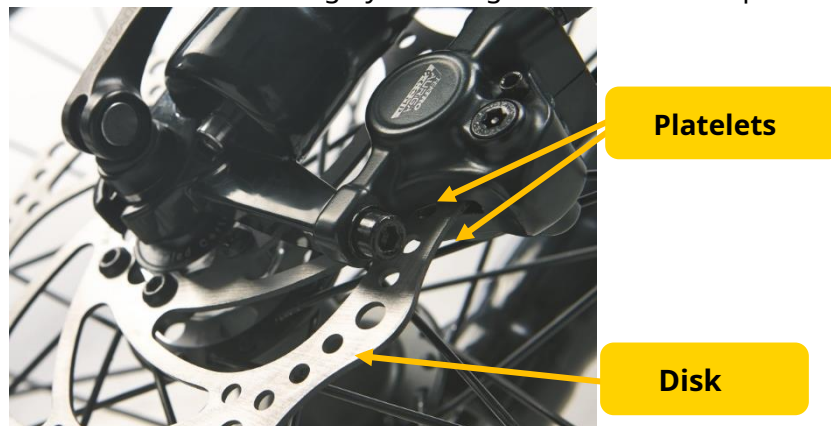
### 2.3.2 Hydraulic brakes (KALYSO 2 HY and KALYSO 2 HY N7)

Maintenance of this hydraulic braking system is the responsibility of a specialist. However, here are some recommendations for use:

- Periodically check the condition of the pad packing. Avoid waiting until the last moment because when the lining is worn, the disc rubs against the pads and damages them.

Here are two ways to check the wear of your pads:

- o To the ear, the braking noise will be more metallic when the lining is worn. To the eye, you can see the size of the lining by standing in front of the caliper



- Periodically check the condition of the disks to ensure that they are clean and functional. To clean records, use only water or alcohol.
- Absolutely avoid any contact with a fatty substance on the disc or the pads, the pads would then be **imperatively** to change (they are porous and would absorb fatty substances).

**-GENERALLY, THE MANIPULATIONS OF THE HYDRAULIC DISC BRAKE SYSTEM DO NOT LEAVE ANY ROOM FOR APPROXIMATELY. WE RECOMMEND CALLING A SPECIALIST IF IN DOUBT ABOUT THE OPERATIONS TO BE PERFORMED.**



## 2.4 Luggage rack

**-Do not load your luggage rack more than the indicated value.**

All carrying devices and other luggage installed by you on your luggage rack (e.g. child seat, miscellaneous luggage, etc.) must be compatible with the geometric and strength characteristics of the bicycle.

**-This type of luggage rack is not designed to tow a trailer.**

**Any modification made to the luggage rack by the user incurs his own responsibility.**

When installing a child seat or saddlebags, a user safety check is necessary (e.g. dangling straps, danger of getting caught in the spokes, fear of falling, stability of child seat attachment to be checked, risk of the child's fingers being pinched under the saddle, etc.).

When the luggage rack is loaded, changes in the behavior of the bicycle must be taken into account (wind stability, braking distances, change of direction, etc.) For their safety, the user must be aware of these changes in behavior.

The load on the luggage rack must be distributed on either side of it in order to ensure overall stability when traveling on public roads.

**-Periodically check the tightness of the luggage rack fixings.**

**-The reflector and the rear signaling light must not be hidden by luggage or seats attached to the luggage rack.**

## 2.5 Assembly and disassembly of wheels

### 2.5.1 Front wheel

-15mm flat key

#### **Disassembly :**

Loosen the V-Brake cable clamp to release the pads (KALYSO 2). Loosen the acorn nuts on each side and remove the washers. Lift the bike and lightly tap the top of the tire to free the wheel.

#### **Assembly :**

Reposition the washers on the wheel axle. Lift the bike and insert the wheel axle into the bottom of the fork dropout slot.

Check the positioning of the washers, as well as the centering of the wheel. Tighten the wheel nuts. Tighten the wheel nuts alternately and gradually on each side.

If the wheel is not centered, loosen the nuts and repeat the operation. Re-adjust your V-Brake (KALYSO 2).

**-Do not adjust the locknuts, you risk damaging the bearings.**



## 2.5.2 Rear wheel

-15mm flat key

### KALYSO 2 and KALYSO 2 HY

#### Disassembly :

Loosen the V-Brake cable clamp to release the pads (KALYSO 2). Remove the right and left wheel nut covers.

Loosen the cap nuts on each side and release the washers (or quick release). Lift the bike and lightly tap the top of the tire to free the wheel.

Release the chain from the wheel sprocket, paying attention to the tilting of the chain.

#### -Don't brake

#### Assembly :

Take the wheel and place the chain on the small sprocket on the right side, then engage the wheel between the brake pads (KALYSO 2).

Coming back, insert the wheel axle into the right and left housing of the frame. Install the washers and wheel nuts. First tighten the nuts by hand until they make contact with the frame.

Center the wheel in relation to the frame and mudguard. Check the centering and positioning in line with the front wheel, as well as the positioning of the chain.

Loosely tighten the wheel nuts on each side.

Check the positioning, centering and position of the chain again.

Tighten the wheel nuts alternately and gradually on each side (or quickly attach them);

Replace the nut covers.

Adjust the brake pads(KALYSO 2).

### KALYSO 2 HY N7

#### Disassembly :

Remove the right and left wheel nut covers (or the quick release). Loosen the acorn nuts on each side and remove the washers. Lift the bike and lightly tap the top of the tire to free the wheel. Detach the cable and sheath from the hub support



Detach the cable from its housing

Detach the sheath stopper from the hub by turning the cable 90°



Release the chain from the wheel sprocket, paying attention to the tilting of the chain.

**-Don't brake**

**Assembly :**

Reposition the washers on the wheel axle.

Lift the bike

Position the cable stop in its housing by turning the cable 90° Position the cable in its housing

Position the cable and the sheath in the hub support

Insert the wheel axle into the bottom of the fork dropout slot.

Check the positioning of the washers as well as the centering of the wheel. Tighten the wheel nuts.

Tighten the wheel nuts alternately and progressively on each side (or quickly attach them).

If the wheel is not centered, loosen the nuts and repeat the operation.

## 2.6 Lighting

Your bike is supplied with a battery front light.  and back  (examples), powered by

Hold the button+ to activate the lighting.



**-Always keep your lighting clean and in good condition.**

**-Lighting equipment is mandatory after dark, or during the day when visibility is insufficient.**

**ⓘ After driving the first 100 km, check that all nuts and bolts are tight (on the engine, brackets, covers, cranks and pedals).**

# 3 - USE OF THE VAE

## 3.1 Changing gears

Your gear change consists of a derailleur and 7 cogs.

- ❖ 1 14-tooth sprocket (large development) which allows you, in easy conditions (slight descent, flat), to increase your speed;
- ❖ 3 intermediate gears of 16, 18, 20 teeth to be used in normal situations;
- ❖ 3 "small development" sprockets of 22, 24 and 28 teeth for difficult hills and starts.

The gear selector is located near the right grip on the handlebars, either as an indexed twist grip or as a shifter.



## 3.2 Changing gears

The transmission works like a mechanical variator. The twist grip is on the right side of the handlebars, move it up and down to choose your position.

## 3.3 Changing support levels

Your bike is equipped with 6 levels of electronic assistance:

- 1 **Position 0**= no assistance.
- 2 **Position 1 and 2**= economic position. In these positions your VAE consumes less energy, however the power may not be sufficient to tackle a climb.
- 3 **Position 3 and 4**= average assistance position.
- 4 **Positions 5**= maximum position. In this position your VAE provides you with the greatest assistance and therefore consumes more energy.

**In order to scroll through the assistance level, you must press the buttons "+" Or "-".**

### 3.4 The display and the command



**Walking aid:** Briefly press the “i» then Hold the “WALK” button.

**Support level:** Briefly press the “+” Or “-» to change the assistance level.

**Switching between Speed/Mileage mode:** Briefly press the “i» to see the bike's mileage, average speed, maximum speed, pedaling cadence, distance traveled.

**Lighting:** Hold the button “+» to turn the lights on or off.

**Reset distance traveled:** Simultaneously press “+” Or “-» to reset.

## 3.5 Electrical assistance

### 3.5.1 Functioning

Your Electric Assisted Bike is equipped with an electric motor, located in the crankset. This motor starts automatically (if the ignition is on and the battery is charged) when you pedal (except with walk assistance).

The assistance is activated by a torque sensor which cuts power to the motor when the pedal stops rotating, such as when you reach the speed limit of 25 km/h.

This principle allows the motor to give you its full power when you need it, and save battery power when you are going downhill or launched on flat ground. This energy management makes it possible to offer greater autonomy. These functions and energy management are carried out by an electronic box or “controller”.

**-WE INFORM YOU THAT ACTIVATING OR STOPPING ASSISTANCE MAY RESULT IN ACCELERATION OR A SUDDEN DEDECLARATION.**

### 3.5.2 Performance

The autonomy of your bike depends on several parameters:

❖ **The weight carried:**

The performance of your bike is given for a user weighing 75 kg.

❖ **The outside temperature:**

Performance is given at an outside temperature of approximately 20°C. Below this temperature performance varies or may decrease.

❖ **Battery wear:**

Provided it is properly maintained, your battery is designed to provide stable performance for 600 charge/discharge cycles (or an average use of 3 years). After these cycles, it is still operational, but its performance, and therefore your autonomy, decreases proportionally.

Also refer to the chapter dedicated to the battery.

❖ **The nature of the route:**

Theoretical autonomy is for almost continuous use of the engine on flat or slightly undulating ground. If your route is flat and includes a percentage of descents (even slight ones), your autonomy is increased. If you go uphill, your range may decrease proportionally.

### 3.5.3 Technical specifications of the assistance system

**Engine :** Crankset - NEOASSIST 250W and 80Nm

**Battery :** Lithium Ion 36V – 468Wh, 561.6Wh, 612/626.4Wh

**Life cycle:** 600 complete charge/discharge cycles under normal charging conditions. **Autonomy:** 70 to 80 km for the 468Wh battery / 80 to 100 km for the 561.6Wh battery / 100 to 120 km for the 612/626.4Wh battery

(For a 75 kg user at a speed of 18 km/h on a route in Eco mode).

### 3.5.4 Switching on the battery

The battery of your Electric Assisted Bike is SMART BMS. The principle ? The battery goes directly into standby without use, this allows it to save energy during the duration of its cycles but also to gain longevity. You must turn on your battery before turning on your display. It turns off automatically when the display turns off.



### 3.5.5 The electric motor

Located in the crankset, it requires no maintenance on your part and benefits from a 2-year manufacturer's warranty. We advise you to have it serviced by an authorized dealer or specialist.



-Although it is designed to be water resistant, we advise against to immerse it or to clean it with a high pressure jet.

# 4 - THE BATTERY AND CHARGER

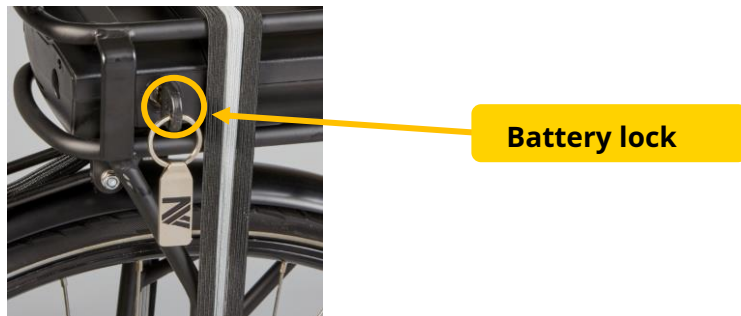
## 4.1 The battery

Your battery has a serial number.



Your battery is assembled in a special container. We strongly advise against attempting to open or disassemble it. **Any breach of the warranty label will ipso facto result in the cancellation of the warranty.**

To remove the battery from its housing, you must unlock the battery lock with the key. Using the handle, remove the battery from the rear of the VAE.



**-Caution: Position the battery in the “rails” of the luggage rack to insert it.**

### 4.1.1 Battery and performance of the VAE

The battery is a consumable component and has a limited lifespan: eventually, its capacity and performance will diminish, and it must be replaced. Battery aging can therefore contribute to changes in eBike performance. The battery gauge shown on the display is expressed in voltage.

#### **Battery performance optimization:**

Battery life is the length of time the e-bike can operate before needing to recharge the battery. “Battery life” is the length of time before you need to replace it.

It is linked to its “chemical age” which is composed of:

- From the passage of time
- The number of charging cycles (no obligation to completely empty the battery each time since there is no memory effect)
- The maintenance the battery received

- From the use of the bicycle: weight of the bicycle, the user and the equipment transported / mechanical condition of the bicycle (tire pressure, condition of the transmission) / pedaling cadence / relief of the route / outside temperature, etc.
- From the level of assistance chosen...

Battery efficiency decreases as its chemical age increases (follow the advice given in the manual to optimize battery performance and extend its life).

### **Chemical aging of the battery:**

Chemical aging of a battery results in a reduction in the time elapsed before it needs to be recharged. This autonomy is sometimes called “maximum battery capacity”.

When operation can no longer be ensured with the full capabilities of the power management system, with a low load level, high chemical age or low temperatures, the system performs a shutdown to preserve the electronic components. Although this shutdown is intentional from the device's perspective, it may be unexpected for the user.

When the battery reaches a sufficiently advanced chemical age, performance decreases and it must ultimately be replaced. To improve the performance of the VAE, it may be useful to replace the battery (contact an approved NEOMOUV dealer).

### **Maximum battery capacity:**

Maximum battery capacity is a measure of the battery's capacity relative to its new condition. A battery will lose capacity as its chemical age increases, which can result in fewer hours of use between recharges.

A normal battery is designed to retain at least 70% of its original capacity after 2 years of use or 600 complete cycles under normal conditions of use and approximately 50% after 5 years (follow the recommendations of 'use).

#### **4.1.2 Precautions for use**

- Avoid any proximity to heat sources.
- Never leave the battery exposed to the sun for a long time.
- Never charge the battery in the rain or in a damp place.
- Never spray the battery directly with water or any other liquid.
- Do not immerse the battery.
- Do not expose the battery to temperatures above 40°C and below -20°C.
- Never drop the battery; place it in a stable place (- Be careful of the risk of short circuit and overheating in the event of shock to the battery).
- Never open the battery. Opening can cause significant risks of electrocution and voids the warranty.
- Avoid any short circuit on the charging connections.
- Use the battery only for what it is intended for.
- Never allow a child to play with or handle the battery.
- **When not using the bike, store the battery in a dry, cool place at a temperature above 10°C and below 40°C.**



- **Never leave your battery completely discharged for periods longer than 3 days.**
- **If not used for a long time, recharge the battery every two months.**
- Only use the charger provided to recharge your battery.

**-WARNING: IF THE BATTERY IS USED TOO INFrequently (ONLY ONLY 1 TIME EVERY 2 MONTHS), THE CAPACITY OF THE BATTERY WILL DECREASE MUCH MORE QUICKLY THAN IN THE CASE OF REGULAR USE. THE ENERGY OF A BATTERY COMES FROM A CHEMICAL REACTION, WHICH NEEDS TO BE ACTIVATED REGULARLY ENOUGH IN ORDER TO MAINTAIN ITS EFFECTIVENESS.**

**-ATTENTION ! You should not throw away your battery or charger with your household waste. Electrical and electronic products contain hazardous substances that have adverse effects on the environment or human health and must therefore be recycled. A selective collection system for these products is in place, return them to your retailer.**

-For your safety, carefully read the instructions on the battery label:

The battery supplied with your VAE complies with current standards



## 4.2 The 36V charger

The charger that comes with your bike complies with current standards. It has been specially designed to recharge the battery of your electric bike. It will fully recharge your battery in 8 to 9 hours depending on ambient temperature and battery wear. This so-called "slow" charging time is voluntary in order to preserve the life of your battery. However, a fast charger exists to reduce this time.

Its operation is simple: Connect the charger's output plug to your battery socket then, only afterwards, plug the socket into the mains.

**It is possible to recharge the battery directly on the bike**



A LED on the top of the charger indicates the battery charge level. It is red when the battery is charging and turns green once the battery is recharged.





#### 4.2.1 Precautions for use

- Do not plug the charger plug into the mains with wet hands (danger of electrocution).
- Always ensure its compatibility with the local electrical network.
- Charge the battery in a ventilated area.
- Do not charge it in a humid environment or near a flammable or explosive product.
- Do not store the device hot.
- Do not charge a defective or dead battery.
- Do not leave it plugged in and its connections within the reach of children.
- Do not expose it to rain.
- Do not immerse it.
- Do not place any object on it or cover it.
- Take care of the input and output electrical wires.
- To protect it after a long charge (more than 24 hours), unplug the electrical connection and let the device rest in a dry, ventilated place.
- When charging is complete, disconnect it from the battery.
- Avoid leaving it plugged into the mains for more than 24 hours.

**-WARNING: For your safety, it is forbidden to open the charger (risk of electric shock). Contact your NEOMOUV authorized reseller for any problem with the charger.**

-For your safety, also see the pictograms on the back of the charger:



## 5 - TIPS TO INCREASE AUTONOMY

Depending on the battery fitted to your VAE, the range is 70 to 80 km (468Wh battery), 80 km to 100 km (561.6Wh battery), or 100 to 120 km (612/626.4Wh battery) for a 75 kg user at an average speed of 18km/h on a route in an economical position.

- **When the engine starts:** adjust your assistance to a low position and choose a medium development on the derailleur. If your route is uphill, position the derailleur on the small development and use the “walking aid” position.
- **In traffic jams:** adjust the assistance to the low position and your derailleur to small development or medium development depending on the frequency of stops.
- **Hill start:** before stopping, adjust your derailleur in small development, adjust the assistance according to the hill.



- **Climb a stronger hill:** if you are going up a hill and the speed becomes too low, opt for greater assistance. You will then feel the assistance increase. If this is insufficient, position your derailleur on the small development (your energy consumption becomes higher and your autonomy will be reduced).
- **Non-stop route:** your route is obstacle-free (no red lights, traffic jams or countryside routes) so choose your assistance and adjust the derailleur to the main development. This way you can go faster while saving energy.
- **Downhill:** stop pedaling (freewheel) or pedal normally without effort by adapting your speed selection and let yourself carry gently.
- **For more autonomy:** start in low position. Once your bike is started, set the derailleur to the large development. Keep a constant speed, your autonomy will be greater.

**-The KALYSO 2 HY N7 is equipped with a nexus allowing you to shift gears when stationary.**



# 6 - CARE AND MAINTENANCE

## 6.1 Maintenance

To better preserve your bike, maintain it regularly:

- Check the brakes.
- Replace the brake pads as soon as they are smooth (KALYSO 2).
- Clean your bike regularly using a sponge and soapy water.
- Do not use detergent or gasoline, or high pressure jet.
- Clean and grease the bearings every 6 months.

When cleaning your bike, remember:

- To clean,
- Rinse
- And dry the different parts of the bike, to remove stagnant water, thus avoiding early risks of corrosion.

## 6.2 Lubrication

Lubricate lightly and regularly (approximately once a month): The chain

**-Do not use lubricant on the surface of the rims or on the tires as well as on the front and rear brake pads (KALYSO 2).**

## 6.3 Maintenance

**Like any mechanical component, a bicycle undergoes high stress and wears out. Different materials and components may react differently to wear or fatigue.**

If the lifespan for a component has been exceeded, it may break suddenly, potentially causing injury to the cyclist. Cracks, scratches and discoloration in high stress areas indicate that the component has exceeded its lifespan and needs to be replaced.

Check the following points regularly:

- Wheel tightening
- Tire wear (replace the tire as soon as the wear indicator is reached) and adjust its pressure between 2.8 to 4 bars. The tires on your bicycle are compatible with the rim strips, no modifications need to be made, only appropriate spare parts (tyres, inner tubes, brake friction elements, etc.) need to be taken into account. Contact your dealer for more information.
- The condition of the rims and spokes (the rims must be smooth, without cracks, breaks or deformation. If you notice an anomaly, have them serviced immediately).
- Tightening the steering, pedals, saddle and luggage rack.

**-Due to its weight and the inertia due to the motor, plan the braking distances of your electrically assisted bicycle widely, especially in rainy weather.**

**-CHECK THE CONDITION AND PROPER FUNCTIONING OF THE SIGNALING DEVICES AND CLEAN THEM IF NECESSARY WITH A DRY CLOTH.**



# 7 - SESAFETY – RECOMMENDATIONS

-If your electrically assisted bicycle is a bicycle suitable for use in town and for road trips, **do not use it as a mountain bike.**

On public roads, anyone riding a bicycle must respect and apply the requirements of the highway code of the country where they are located as well as the legal requirements concerning this type of transport (e.g. lighting, signage, wearing a helmet -recommended- , reflective device etc.).

**-Do not sit on the bike, when it is held by the stand, it risks breaking and causing you to fall suddenly.**

Stay vigilant, do not linger on consulting the bike's display while you are riding.

For your safety :

- Bicycle lighting is mandatory when traveling at night, or during the day when visibility is insufficient.
- Wearing a helmet is strongly recommended.
- Wearing a reflective vest is mandatory when driving at night, or during the day when visibility is insufficient.



# 8 - GIVEE TECHNIQUES









## TIGHTENING TORQUES

	PIECES	SLICE (Nm)
<b>BRAKING</b>	Brake caliper	Between 5 and 8
	Brake shoe	Between 5 and 8
	Brake cable screw	Between 4 and 7
	Brake lever screw	Between 3 and 7
<b>PERIPHERAL DEVICES</b>	Stem / Handlebar	Between 10 and 14
	Diver	Between 20 and 25
	Headset	Between 18 and 22
<b>TRANSMISSION</b>	Pedal / Crankset / Crank	Between 35 and 50
	Bottom bracket	Between 25 and 35
	Front/rear derailleur cable	Between 3 and 6
	Rear derailleur mount	Between 7 and 10
	Shifters	Between 2 and 3
<b>SEATED</b>	Freewheel	Between 30 and 35
	Saddle	Between 15 and 20
	Saddle stem	Between 5 and 7
<b>WHEELS</b>	Front / rear wheel	Between 27 and 35

-Please note: certain components have specific tightening torques indicated in a separate manual or directly engraved on the component itself.

## DATA SHEETS






### KALYSO 2

 250 W MOTEUR CENTRAL NEOASSIST 2 80 Nm	 36V 468 Wh - 562 Wh - 627 Wh -	 70 - 80 Km 80 - 100 Km 100 - 120 Km	 2A/ 100-240V OPTION : SUPER CHARGEUR 4A	 ÉCRAN LCD 6 NIVEAUX D'ASSISTANCE	 CONNECTIVITÉ BLUETOOTH VIA L'APPLICATION «myNEOMOUV»	 AIDE À LA MARCHÉ	 ALIMENTATION SUR BATTERIE AV : AXA COMPACTLINE AR : AXA BLUELINE
--	--	--	--	---	--	--	--

#### PARTIE MÉCANIQUE

 ALU 6061 T6 26" ou 28" TAILLE 46 Compatible: Antivol AXA Defender	 SUSPENDUE ALUMINIUM 45 mm	 RÉGLABLE AVEC OUTIL	 V-BRAKE	 7 VITESSES SHIMANO 14 / 28 T	 SHIMANO ALTUS 7V	 POIDS TOTAL 26 Kg	 CHARGE MAX. 120 Kg
--	--	---	--	---	--	--	--









#### ÉQUIPEMENT

 PLASTIQUE NOIR	 CONFORT	 Ø 27.2 L 350	 ALUMINIUM (CHARGE MAXI 25 Kg) Compatible: Sacoche Siège-bébé*	 26" OU 28" RAYONS INOX JANTE DOUBLE PAROI	 ANTI- CREVAISON	 610 mm Ø 25,4	 BÉQUILLE LATÉRALE
--	--	--	--	---	---	---	---

(\*) Après changement des barres de porte-bagages, charge max 27 kg.



## KALYSO 2 HY

 250 W MOTEUR CENTRAL NEOASSIST 2 80 Nm	 36V 468 Wh - 562 Wh - 627 Wh -	 70 - 80 Km 80 - 100 Km 100 - 120 Km	 2A/ 100-240V OPTION : SUPER CHARGEUR 4A	 ÉCRAN LCD 6 NIVEAUX D'ASSISTANCE	 CONNECTIVITÉ BLUETOOTH VIA L'APPLICATION «myNEOMOUV»	 AIDE À LA MARCHÉ	 ALIMENTATION SUR BATTERIE AV : AXA COMPACTLINE AR : AXA BLUELINE
--	--	--	--	---	--	--	--

### PARTIE MÉCANIQUE









 ALU 6061 T6 26" ou 28" TAILLE 46 Compatible: Antivol AXA Defender	 SUSPENDUE ALUMINIUM 45 mm	 RÉGLABLE AVEC OUTIL	 FREINS À DISQUES HYDRAULIQUES 160 mm	 7 VITESSES SHIMANO 14 / 28 T	 SHIMANO ALTUS 7V	 POIDS TOTAL 26 Kg	 CHARGE MAX. 120 Kg
--	--	---	---	---	--	--	--

### ÉQUIPEMENT








 PLASTIQUE NOIR	 CONFORT	 Ø 27.2 L 350	 ALUMINIUM (CHARGE MAXI 25 Kg) Compatible: Sacoche Siège-bébé*	 26" OU 28" RAYONS INOX JANTE DOUBLE PAROI	 ANTI- CREVAISON	 610 mm Ø 25,4	 BÉQUILLE LATÉRALE
--	--	--	--	---	---	---	---

(\*) Après changement des barres de porte-bagages, charge maxi 27 kg.

## KALYSO 2 HY N7

 250 W MOTEUR CENTRAL NEOASSIST 2 80 Nm	 36V 468 Wh - 562 Wh - 627 Wh -	 70 - 80 Km 80 - 100 Km 100 - 120 Km	 2A/ 100-240V OPTION : SUPER CHARGEUR 4A	 ÉCRAN LCD 6 NIVEAUX D'ASSISTANCE	 CONNECTIVITÉ BLUETOOTH VIA L'APPLICATION «myNEOMOUV»	 AIDE À LA MARCHÉ	 ALIMENTATION SUR BATTERIE AV : AXA COMPACTLINE AR : AXA BLUELINE
--	--	--	--	---	--	--	--

### PARTIE MÉCANIQUE

 ALU 6061 T6 26" ou 28" TAILLE 46 Compatible: Antivol AXA Defender	 SUSPENDUE ALUMINIUM 45 mm	 RÉGLABLE AVEC OUTIL	 FREINS À DISQUES HYDRAULIQUES 160 mm	 MOYEU À VITESSES INTÉGRÉES SHIMANO NEXUS 7V	 POIDS TOTAL 26 Kg	 CHARGE MAX. 120 Kg
--	--	---	---	--	--	--

### ÉQUIPEMENT

 PLASTIQUE NOIR	 CONFORT	 Ø 27.2 L 350	 ALUMINIUM (CHARGE MAXI 25 Kg) Compatible: Sacoche Siège-bébé*	 26" OU 28" RAYONS INOX JANTE DOUBLE PAROI	 ANTI- CREVAISON	 610 mm Ø 25,4	 BÉQUILLE LATÉRALE
--	--	--	--	---	--	---	---

(\*) Après changement des barres de porte-bagages, charge maxi 27 kg.



# 9 - CERTIFICATE OF CONFORMITY

Available on our website: [www.neomouv.com/fr/telechargement/](http://www.neomouv.com/fr/telechargement/)

# 10 - WARRANTY CONDITIONS

Any warranty is excluded in the event of (i) failure to pay the full price of the Product; (ii) normal wear or corrosion of the Products; (iii) color evolution over time; (iv) negligence or fault; (v) use of the Products not in compliance with the Manuals (in particular incorrect settings) and/or the Specifications and/or their intended purpose and/or the applicable regulations; (vi) failure to maintain the Product; (vii) modification or alteration, even minor, of the Product and/or its Specifications by a third party to NEOMOUV; (viii) combination of the Products with one or more elements not specified by NEOMOUV; (ix) intervention by a third party not authorized by NEOMOUV relating to a repair and/or any other operation on the Products; (x) use during sporting competitions or for professional use; (xi) opening an electronic component box (battery, screen, motor, controller, etc.); (xii) parts that are cracked, broken or show visible signs of impact; (xiii) a case of force majeure, (xiv) an apparent defect, (xv) modification or even minor alternation of any nature whatsoever of the electrical assistance limit of the VAE (unclamping). »

The Specifications are determined by NEOMOUV in accordance with applicable standards and its commitments. In particular, NEOMOUV is committed against the unblocking of VAEs. As such, the buyer understands and accepts that any modification or alteration, even minor, of the electrical assistance limit of VAEs (unclamping) is strictly prohibited, and is prohibited from carrying out this for any reason whatsoever.

For any information on guarantees, contact your store.



# NEOMOUV

Living e-bike since 2003

[www.neomouv.com](http://www.neomouv.com)



NEOMOUV

Z.I Ovest, Allée des Quatre Journaux  
72200 La Flèche

NEOMOUV - reproduction interdite. NEOMOUV est une marque déposée. Le constructeur se réserve le droit de modifier les caractéristiques de ses produits en vue d'y apporter des améliorations techniques et/ou de respecter de nouvelles réglementations.