



electricmotion

2018



**em**  
electricmotion







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# EM's bikes advantages



## Electric Motion company advantages



An electric bike  
at the best price

Best riders use EM bike

Direct delivery  
with EM Package



# 2017 Improvements



*New Engine*  
From competition,  
Extended speed range,  
New inertial mass parameters



*Suspensions settings*  
*Improvements*  
Front & Rear



*Battery*  
New BMS software



Powertrain  
optimized



*New*  
Brake master cylinder



*New design*  
(stickers / colors)



*LED Sport Light*  
Front & Rear  
optional  
(non homologated)

*Improved general finishings*  
(wiring, ajustement & plastics fixation)



**2017 Improvements**



# emLite



# EMLite

Years of research, design and testing Electric Motion's lead to the evolution and production of our **lightest & economical trial bike** in our product range with **no loss in performance and efficiency**.

Equipped with same frame and dependable performance as our Sport edition the **EMLite** is a perfect fit for **leisure & rigorous riding challenges!**

The **EMLite** is perfect for **sport and recreational riding** featuring **comfort, balance and robustness**, Trial or Trek along in silence. Near **ZERO** maintenance = More **time to ride!**

**EMLite** is a perfect fit for Trial School (Academies) // Off Road Parks and trails // All riding enthusiasts!

*EMLite available in homologated version (125cm<sup>3</sup>) also in Red color  
OPTIONAL : Extra Seat (Quick & Easy install).*



Easy to Ride



CHASSIS

Frame

Perimetric 25CD4S

Front Suspension

Ollé Hydraulic Fork Ø40

Front Travel

175mm

Rear Suspension

Ollé R16V

Rear Travel

170mm

Front Brake

Hydraulic Disk 182mm 4pistons

Rear Brake

Hydraulic Disk 150mm 2pistons

Rims

Morad Trial 1,6"x21"  
& 2,15"x18"  
Black

DIMENSION

Wheel base

1350mm

Lenght

2035mm

Width

825mm

Seat height

700mm

Ground clearance

320mm

Footpegs Height

360mm

Weight

76kg

PROPULSION

Engine

Brushless DC

Power

5kW nominal  
12kW pic : 16CV

Torque

18 Nm nominal / 27 Nm pic

Cooling

Air

Primary Transmission

By belt

Finale Transmission

By chain

Time Range\*

50 to 150 min

Battery

LiPo 51,8V / 25Ah / 1,2kWh

Charging Time

150 min

\* Range vary based on riding style and drivetrain configuration

**emLite**  
Easy to Ride

New design //  
Aluminium grey frame

Extra seat  
optional

ELS or rear brake  
at the handlebar  
optional

Battery  
Regeneration  
Electric Brake

New rear LED plate //  
(optional) Non homologated

Opened sprocket cover



Easy to Ride

emLite



Average Range\*

2 hours



Full Charge

150 min



Weight

76kg



Top Speed\*

50km/h  
60km/h \*\*



Easy & Fun

\* Range and top speed vary based on riding style and drivetrain configuration  
\*\* Off Road utilisation on private land







# YAMAHA XT1200



# emSport



# EMSport

The **EMSport** is designed for **competition** and leisure. Each and every component was developed with the focus on **high quality** and **performance technology design**.

The **EMSport** is the latest edition which evolved from our last model, the **EMSport** has been involved at the **2016 WTC** and achieving great success in **France's National Trials Championship in 2014 (S2 Category)**.

With a **brand new engine** the **2017 EMSport** is more powerfull !  
The **EMSport** is equipped for **best racing** and performance parts ; Tech aluminium fork & R16V aluminium shock absorber, Xlite competition Michelin tires. CNC clamps & aluminium protector plate.

*EMSport available in **homologated** version (125cm<sup>3</sup>). also in **Blue color**  
The extra seat can be equipped on the EMSport & EMSport + (Quick & Easy install).*

**Lighter** (gain of 3kg with the new 16Ah battery), the **EMSport+** reach **more performance**.



Easy to Race



## CHASSIS

*Frame*

Perimetric 25CD4S

*Front Suspension*

Tech Aluminium Fork Ø39

*Front Travel*

175mm

*Rear Suspension*

Ollé Aluminium R16V

*Rear Travel*

170mm

*Front Brake*

Hydraulic Disk 182mm 4pistons

*Rear Brake*

Hydraulic Disk 150mm 2pistons

*Rims*

Morad Trial 1,6"x21"  
& 2,15"x18"  
Tubeless  
Dark grey matt

## DIMENSION

*Wheel base*

1350mm

*Lenght*

2035mm

*Width*

825mm

*Seat height*

700mm

*Ground clearance*

320mm

*Footpegs Height*

360mm

*Weight*

73kg / 70kg\*\*\*

## PROPULSION

*Engine*

Brushless DC

*Power*

5kW nominal  
12kW pic : 16CV

*Torque*

18 Nm nominal / 27 Nm pic

*Cooling*

Air

*Primary Transmission*

By belt

*Finale Transmission*

By chain

*Time Range\**

50 to 150 min / 40 to 130min\*\*\*

*Battery*

LiPo 51,8V / 25Ah / 1,2kWh  
LiPo 51,8V / 16Ah / 0,9kWh\*\*\*

*Charging Time*

110 min / 75 min\*\*\*

Easy to Race

15

\* Range vary based on riding style and drivetrain configuration

\*\*\* EMSport +





**emSport**  
Easy to Race



Bastien HIEYTE & his EMSport //  
World Trial Championship - Italy \_ September 2016





TECH Aluminium Fork  
Optimized settings



Anodized Rims  
Matt Grey



Racing parts



Transmission  
Low friction  
Chain & sprocket



Easy to Race

# EMSport



Average Range\*

110 min  
80 min\*\*\*



Full Charge

110 min  
75 min\*\*\*



Weight

73kg EMSport  
70kg EMSport+



Top Speed\*

50km/h  
60km/h\*\*



The first Electric Champion

\* Range and top speed vary based on riding style and drivetrain configuration  
\*\* Off Road utilisation on private land // \*\*\* EMSport +







# SPORTS 125



# eScape





# Adventures Unlimited

# eScape

The **eScape** boasts the **longest range** of all our trial models.

Developed for **extreme ride** use, the **eScape** is as silent as it is **efficient**.

Our ergonomically designed trial bike, includes a battery allowing for **very long rides**. The **eScape** is the ultimate answer for for your **wilderness** and **adventures**.

A nimble motorcycle with the **torque** and **power** that allows you overcome the **toughest terrain** and extreme **obstacles**.

Now you can **explore** forests, reach peaks and **regenerate** down mountains... **silently** with the **eScape**...

*eScape available in homologated version (125cm<sup>3</sup>) and in Red color*



## CHASSIS

*Frame*

Perimetric 25CD4S

*Front Suspension*

Ollé Hydraulic Fork Ø40  
Tech Aluminium Fork Ø39\*\*\*

*Front Travel*

175mm

*Rear Suspension*

Ollé R16V  
Ollé Aluminium R16V\*\*\*

*Rear Travel*

170mm

*Front Brake*

Hydraulic Disk 182mm 4pistons

*Rear Brake*

Hydraulic Disk 150mm 2pistons

*Rims*

Morad Trial 1,6"x21"  
& 2,15"x18" Black  
Tubeless Dark grey matt\*\*\*

## DIMENSION

*Wheel base*

1350mm

*Lenght*

2035mm

*Width*

825mm

*Seat height*

850mm

*Ground clearance*

320mm

*Footpegs Height*

360mm

*Weight*

79kg

## PROPULSION

*Engine*

Brushless DC

*Power*

5kW nominal  
12kW pic : 16CV

*Torque*

18 Nm nominal / 27 Nm pic

*Cooling*

Air

*Primary Transmission*

By belt

*Finale Transmission*

By chain

*Time Range\**

1 10 to 200 min

*Battery*

LiPo 48,1V / 40Ah / 1,9kWh

*Charging Time*

180 min

ADVANTAGES



Battery offering the best range of our electric Trial bikes



**eScape**  
Adventures unlimited

New Seat & ergonomics studied for comfort



Available in Sport Version



# Adventure Unlimited

# eScape



Average Range\*

2h45min



Full Charge

3h



Weight

79kg



Top Speed\*

50km/h  
60km/h\*\*



Made for adventure

\* Range and top speed vary based on riding style and drivetrain configuration  
\*\* Off Road utilisation on private land







adventure  
03





# EM

electricmotion

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