# ELHYTE




## ELH25.1

## 100% ELECTRIC

MADE IN FRANCE

# WHY CHOOSE ELHYTE :

## Environment

Made in France, with low-carbon-footprint battery chemistry
Reusable components

## Cost-effective

Long component service life
Lower TCO with electric power

## Circular economy

Components can be reused for retrofits and new machines

## Productivity

Improved machine performance and efficiency

## Accelerating the transition

Simple, fast fleet electrification

## Comfort

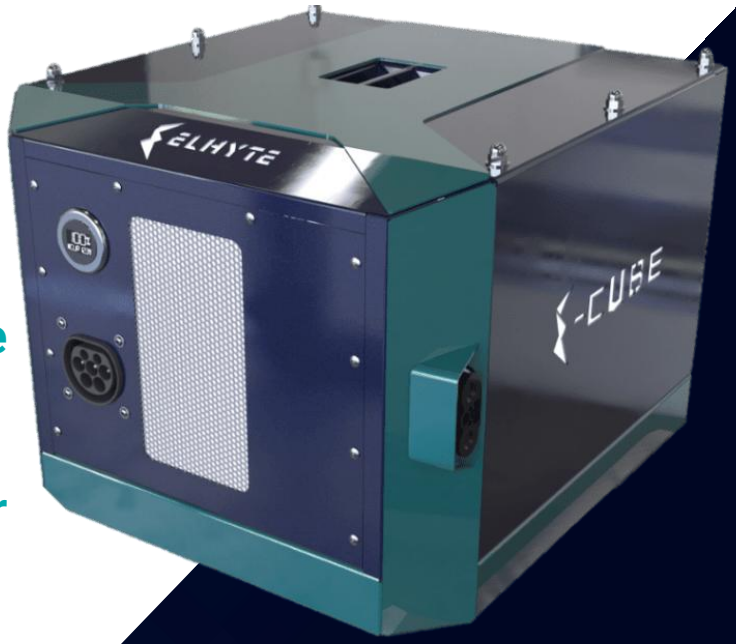
Improved operator comfort and reduced physical strain at work



# The E-CUBE interchangeable battery pack

## A REVOLUTION IN ELECTRIC MACHINERY!






E-CUBE

**The first interchangeable battery pack fully integrated into a compact excavator**

PATENTED PRODUCT
PATENTED

ELHYTE

## Extended runtime by rotating battery packs

One **E-CUBE** powers the machine while the other recharges
**Keep the jobsite moving**

## Suitable for all jobsites, with an easy-to-transport battery pack

No need to connect the jobsite to the electrical grid,
or rely on cumbersome, costly external solutions...
Once removed, the E-CUBE can be recharged anywhere :
**Total flexibility: remove, recharge, get back to work**

# E-CUBE features

## Connectivity

- ✓ GPS location and operating data transmission
- ✓ Remote diagnostics and anti-theft security
- ✓ Expense reports for charging at home

## Digital display

The display provides real-time information on the E-CUBE:
status (charging / ON-OFF), charge level (%), remaining runtime and charging time

## Autonomous thermal management system

With integrated air cooling and preheating, the pack automatically regulates its temperature to remain within its optimal operating range.

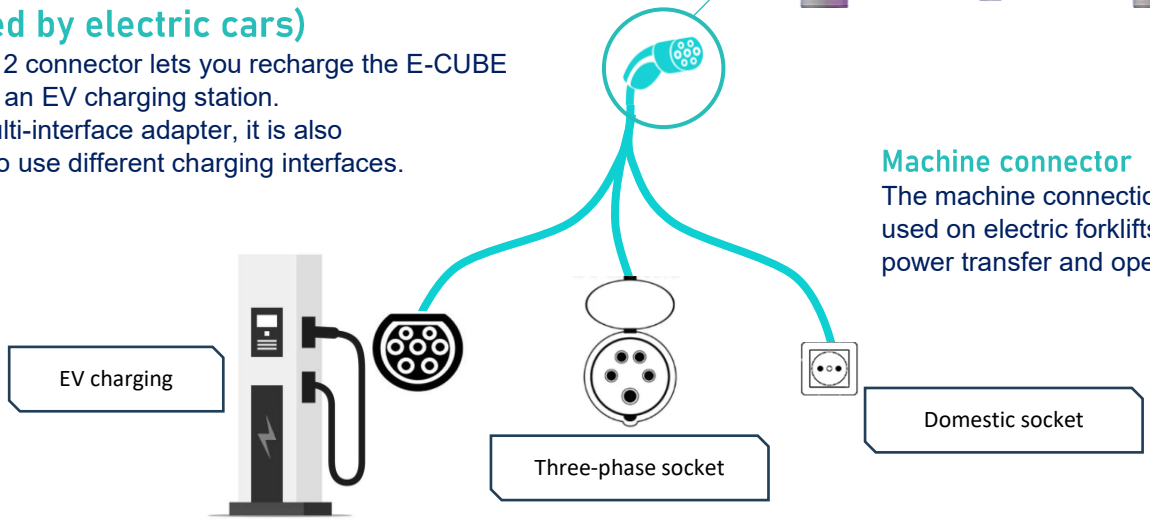


## Onboard charger with Type 2 connector (as used by electric cars)

The Type 2 connector lets you recharge the E-CUBE directly at an EV charging station.
With a multi-interface adapter, it is also possible to use different charging interfaces.

## Machine connector

The machine connection, similar to those used on electric forklifts, ensures optimal power transfer and operator safety.




| Specifications E-CUBE | |
|---|---|
| Gross capacity | 21.5 kWh |
| Weight | 280 kg |
| Charging time<br>• Standard<br>• Fast* | <br>6h30<br>1h30 |
| Cell chemistry | LFP |
| Service life | ≈ 10,000 h |

* With optional 18 kW external charger

# + ELHYTE

## A unique onboard exchange system




Click the image to watch the battery exchange video







- **One operator**



- **Less than 5 min**



- **Effortless**



PATENTED PRODUCT
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# Comfort that drives performance…



## 360° VISIBILITY

The cab is designed to provide an ergonomic working environment with excellent all-round visibility.

## WORKING COMFORT

The **ELH25.1** features an **ergonomic suspended seat** with adjustable settings, a high backrest and a retractable seat belt for optimal operator comfort and support.

The **machine's low noise level** helps significantly reduce operator fatigue.

## AN INNOVATIVE DRIVING EXPERIENCE

The configurable **5-inch digital display** clearly shows operating information and warning messages.

Comfort and work-assistance functions can be activated directly from the display, enhancing **the driving experience.**

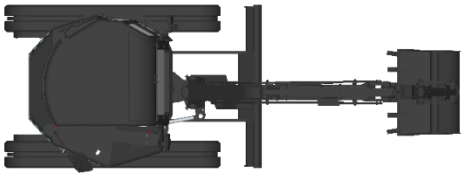



The **three operating modes** (Earthmoving, Grading and Eco) allow the excavator to be adapted to the task at hand.
Modes can be switched **intuitively using the joystick button**, allowing the operator to adjust the machine on the fly without releasing the controls or taking their eyes off the work.

# NO COMPROMISE ON

# COMPACTNESS

The **ELH25.1** lets operators work with confidence, especially in urban areas where space is limited.





## THE ADVANTAGES OF THE ELHYTE CONCEPT

**It is the only fully compact electric mini excavator on the market equipped with an interchangeable battery and an onboard exchange system!**

++ Greater safety for both the operator and nearby workers—essential on construction sites.

++ Minimal blind spots: excellent all-round visibility further improves the safety of nearby workers.

# NEITHER ON PERFORMANCE



The **ELH25.1** delivers outstanding performance for a machine in its class.

Sa profondeur de fouille de 2940 mm* et ses forces d'arrachement de 23,1 Kn (godet) et de pénétration de 14,4 kN (balancier) lui permettent de travailler rapidement et efficacement, et ce, même dans les conditions les plus difficiles.

## POWER & EFFICIENCY

Equipped with a high-efficiency (93%) electric motor, almost all power is transferred to the hydraulic system, delivering continuous torque without loss of speed during operation.

The **ELH25.1** is also equipped with a hydraulic system consisting of **3 hydraulic pumps**. The cumulation of flows in the combined flow distributor allows for an optimal combination in terms of **speed, power, fluidity and balance**. The regulation thus allows all tasks to be performed smoothly and **simultaneously**.

**Energy optimization strategies**, such as control circuit regulation, automatic engine shutdown, and regulated hydraulic cooling, make it possible to increase the excavator's **operating range** without impacting performance.

# TECHNICAL SPECIFICATIONS

## Motor

Air-cooled permanent-magnet synchronous motor
Operating voltage: 48 V
Max. power ..... 16 kW
Max. torque ..... 69.1 Nm

## E-CUBE battery pack

Gross capacity ..... 21.5 kWh
Runtime ..... 3–4 h depending on operating mode
Chemistry ..... LFP (lithium iron phosphate)
Nominal voltage .....48 V
Charging ..... 6–7 h with onboard charger
1h30 with optional 18 kW external charger
Thermal management .....Fan-assisted air cooling, internal resistive heating
Weight ..... 280 kg

## Hydraulic system

ELHYTE energy-optimised hydraulic control

### Capacities

Hydraulic circuit ..... 14 L
Hydraulic tank ..... 25 L

### Hydraulic pumps

1 double variable-displacement piston pump .... 2 × 30 L/min
1 gear pump ..... 21.3 L/min
1 pilot pump ..... 11.3 L/min
Max. circuit pressure ..... 210 bar

### Hydraulic motors

Travel ..... 2 variable-displacement axial-piston motors
Swing ..... 1 axial-piston motor

### Performance

Travel speed ..... 2.8 / 4.5 km/h
Upper structure swing speed ... 10 rpm
Arm digging force ..... 14.4 / 12.7 kN (with long arm)
Bucket digging force ..... 23.1 kN

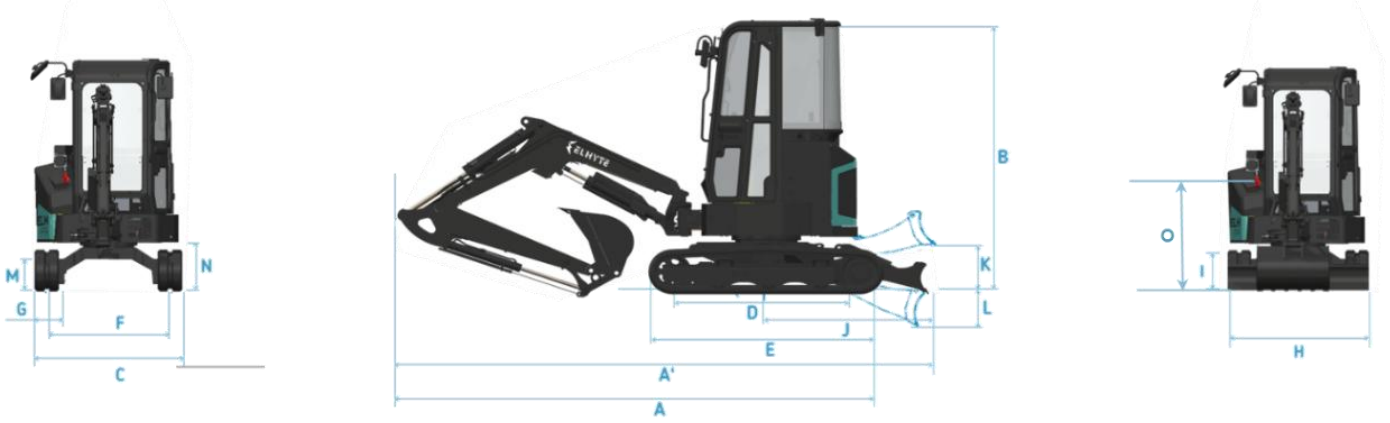
## Undercarriage

Number of upper/lower rollers ..... 1/3
Track tension by grease cylinder

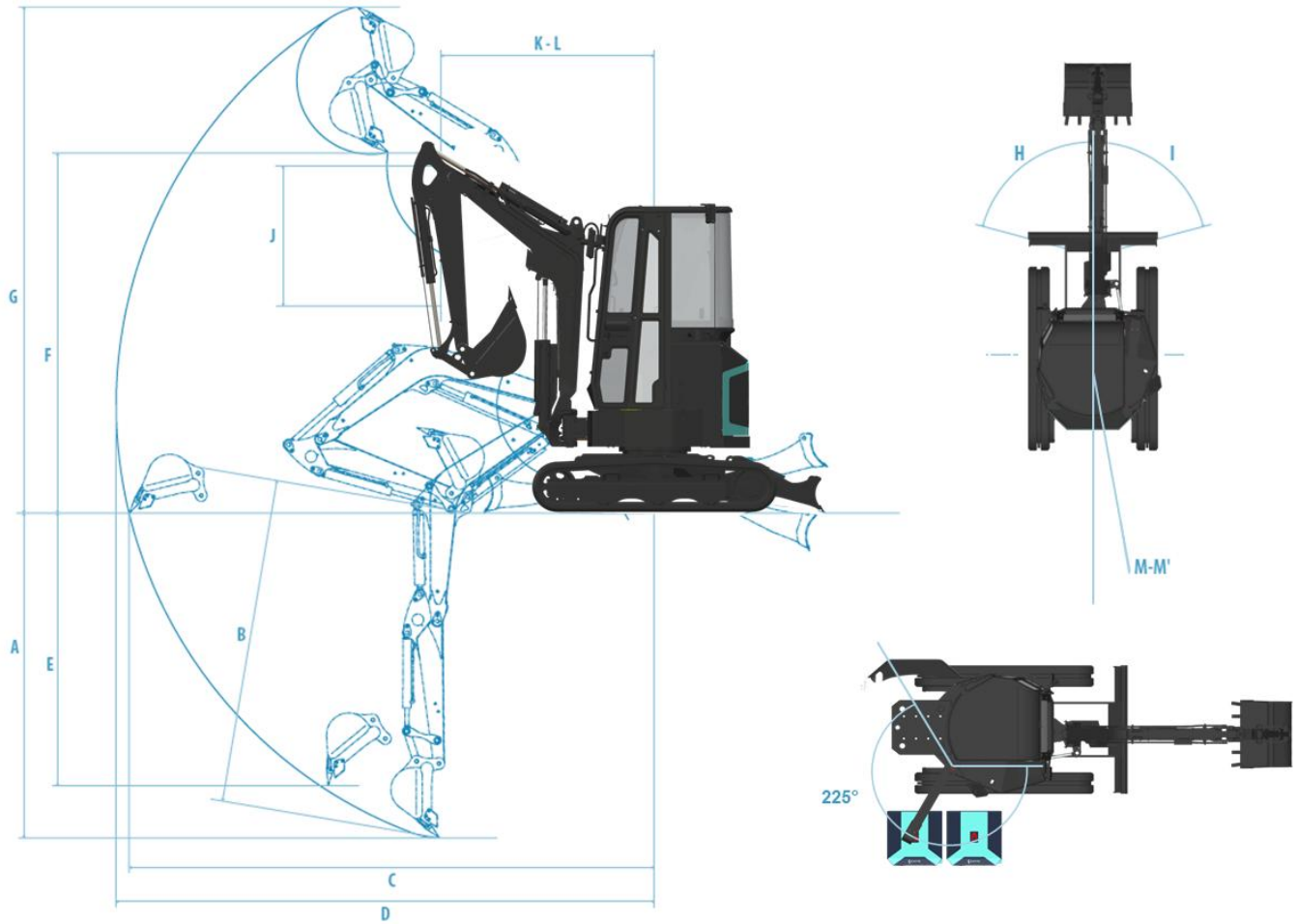
| Transport weight | |
|---|---|
| **Machine with standard equipment, rubber tracks, without E-CUBE pack or quick coupler** | **Weight** |
| - Canopy<br>- Cab | 2,415 kg<br>2,500 kg |
| With E-CUBE pack | + 280 kg |



# Dimensions

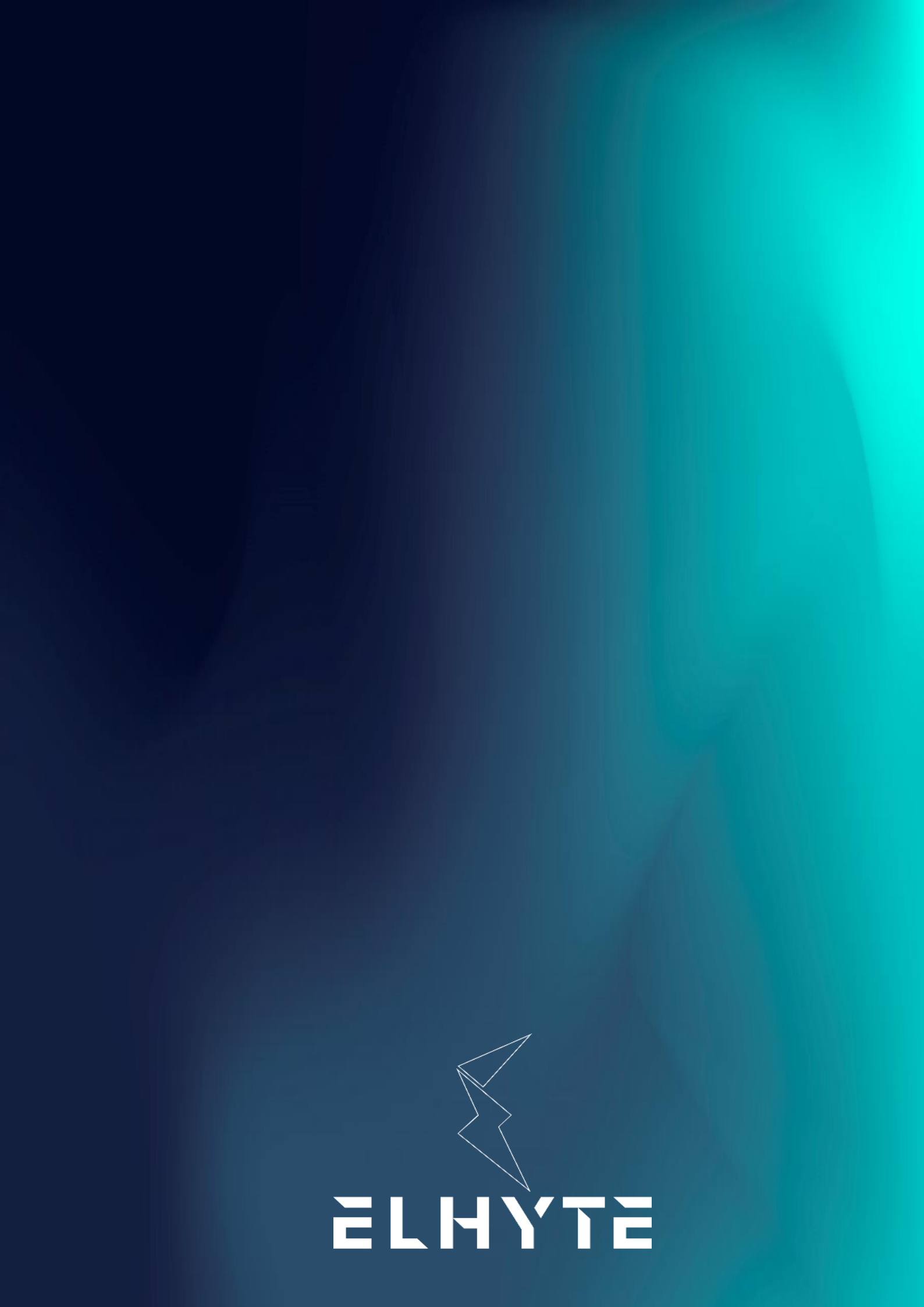



| | | | | | |
|---|---|---|---|---|---|
| A | Longueur hors tout | 4110 / 4120 * mm | H | Largeur hors tout de la lame | 1500 mm |
| A' | Longueur hors tout avec la lame arrière | 4490 / 4500 * mm | I | Hauteur hors tout de la lame | 290 mm |
| B | Hauteur hors tout | 2530 mm | J | Distance de la lame | 1380 mm |
| C | Largeur hors tout | 1500 mm | K | Hauteur de relevage max. au-dessus du sol | 340 mm |
| D | Longueur des chenilles au sol | 1590 mm | L | Profondeur d'abaissement max. depuis le sol | 355 mm |
| E | Longueur du train de chenilles | 2040 mm | M | Garde au sol minimale | 320 mm |
| F | Voie | 1250 mm | N | Garde au sol sous contrepoids | - |
| G | Largeur des chenilles | 250 mm | O | Hauteur du treuil | 1350 mm |




| | | | | | |
|---|---|---|---|---|---|
| A | Profondeur de fouille max. – lame levée | 2490 / 2740* mm | H | Déport de pied de flèche gauche | 47° |
| B | Profondeur de fouille max. – lame baissée | 2690 / 2940* mm | I | Déport de pied de flèche droite | 74° |
| C | Portée de fouille max. au sol | 4340 / 4590* mm | J | Longueur du bras | 1150 / 1400* mm |
| D | Portée de fouille | 4460 / 4700* mm | K | Rayon de rotation avant | 1950 / 1990* mm |
| E | Paroi verticale max. | 1150 / 1290* mm | L | Rayon de rotation avant avec flèche déportée | 1650 / 1680* mm |
| F | Hauteur de déchargement max. | 2830 / 2990* mm | M | Rayon de rotation arrière | 750 mm |
| G | Hauteur d'attaque max. | 3990 / 4140* mm | M' | Rayon de rotation arrière avec contrepoids additionnel | 825 mm |

*Avec bras long.


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