QIANGSHENG MACHINERY


# INTELLIGENT SOLUTIONS FOR INTRALOGISTICS

FULL RANGE ELECTRIC WAREHOUSE EQUIPMENT

QIANGSHENG MACHINERY DOO

Email: info@QSLift.EU

ADD: STEVE JOVANOVIĆA 57, 11272, DOBANOVCI, Serbia


## COMPANY INTRODUCTION

QS LIFT, a brand under Qiangsheng Machinery, is a highly competitive provider of material handling solutions. We offer a full range of warehouse logistics handling equipment and customized services.

QS LIFT products are manufactured in Qiangsheng Machinery's modern intelligent factory located in Changxing, Zhejiang, China. Built to the standards of "Green, Flexible, Smart, and Automated", the factory covers a total area of 60,000 square meters and has an annual production capacity of 220,000 units of warehouse handling equipment.

The core technologies of QS LIFT products are originally designed by the Qiangsheng technical team. Starting in 2011, the company evolved from only processing components to covering the full range of warehouse equipment, a transition driven by the founder's forward-looking vision for the future of the material handling industry. QS LIFT products are favored by customers for electric forklifts and electric stackers due to their precise controllers, lower energy consumption, better compatibility, more stable performance, and highly competitive prices.

Our mission is to deliver optimum value to global customers by providing simple, reliable material handling equipment coupled with local professional services.

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## PALLET TRUCK /P1-64



## PALLET STACKER /P65-142

## AC25 / AC30
# HAND PALLET TRUCK

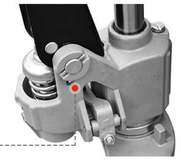
Capacity 2500 KGS / 3000 KGS

Professional and ideal storage aid for all variety of manual transport tasks over short distances in stores and warehouse as well as factory plants

Top class range of pallet truck with excellent designs, reliable, sturdy, torsion-resistant

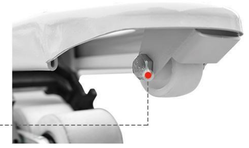
### Sealed oil cylinder

Excellent whole casting hydraulic pump, robust and durable, with fine control of lowering speed and overload valve, low routine maintenance.



### Entry roller

Tandem load roller with additional entry roller which guarantees for maximum stability and safety for transporting goods on slopes.



### Polyurethane

Ideal for delicate floors with hard wearing and non-marking property, quiet and durable.

### Nylon

Low drag efforts, high resistance to chemicals, preferred in food, fishing and chemical industries with smooth floors.



### Rubber

Best choice for quiet and durable demands, ideal for smooth and rough floors.



- Handle Option

Three position operational handle lever for lifting, transportation and lowering purposes.

Ergonomically designed handle with comfortable rubber grip allows the optimized safety as well as comfortable.

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.



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AC25 / AC30 PALLET TRUCK

# PRODUCT

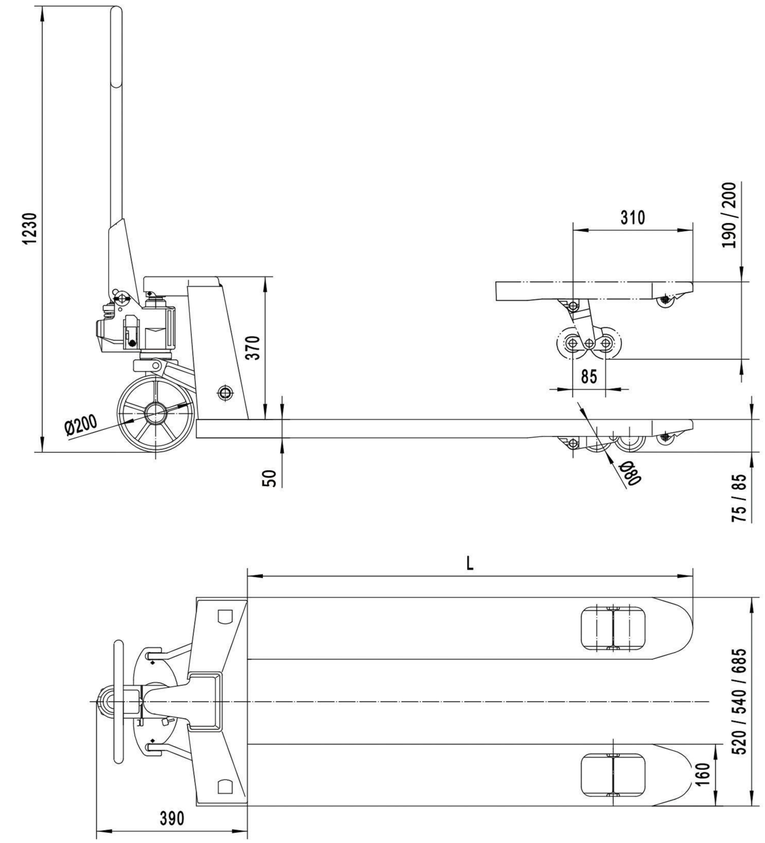
## Product display

Suitable for long distance transportation inside the warehouse
Suitable for logistics companies

# AC25 / AC30

## Technical Specification

| Model | | AC25 | | AC30 | |
|---|---|---|---|---|---|
| Load capacity | kg | 2500 | | 3000 | |
| Min. fork height h | mm | 85 | 75 | 85 | 75 |
| Max. fork height h1 | mm | 200 | 190 | 200 | 190 |
| Steering wheel | mm | Φ180×50 | Φ180×50 | Φ180×50 | Φ180×50 |
| Load roller Single | mm | Φ80×93 | Φ74×93 | Φ80×93 | Φ74×93 |
| Load roller Tandem | mm | Φ80×70 | Φ74×70 | Φ80×70 | Φ74×70 |
| Size of fork e×s | mm | 160×50 | | | |
| Width overall forks B | mm | 450/520/540/685 | | | |
| Fork length L | mm | 800/900/1000/1100/1150/1220 | | | |



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PALLET TRUCK AC25 / AC30

## BF25 / BF30
# HAND PALLET TRUCK

Capacity 2500 KGS / 3000 KGS

Professional and ideal storage aid for all variety of manual transport tasks over short distances in stores and warehouse as well as factory plants

Top class range of pallet truck with excellent designs, reliable, sturdy, torsion-resistant

### Sealed oil cylinder

Excellent whole casting hydraulic pump, robust and durable, with fine control of lowering speed and overload valve, low routine maintenance.

### Entry roller

Tandem load roller with additional entry roller which guarantees for maximum stability and safety for transporting goods on slopes.

### Polyurethane

Ideal for delicate floors with hard wearing and non-marking property, quiet and durable.

### Nylon

Low drag efforts, high resistance to chemicals, preferred in food, fishing and chemical industries with smooth floors.



### Rubber

Best choice for quiet and durable demands, ideal for smooth and rough floors.



Three position operational handle lever for lifting, transportation and lowering purposes.

Ergonomically designed handle with comfortable rubber grip allows the optimized safety as well as comfortable.

- Handle Option

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Security and stability

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BF25 / BF30 PALLET TRUCK

# PRODUCT

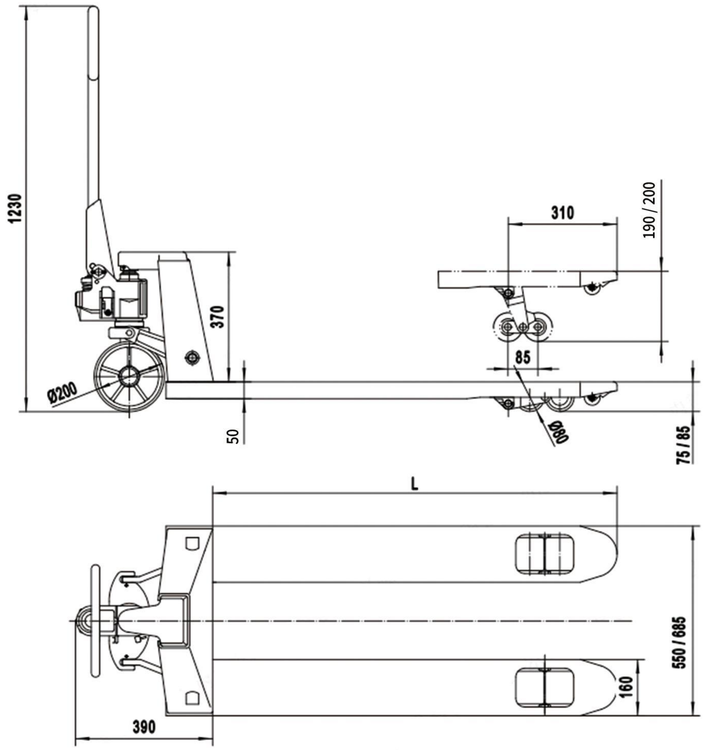
## Product display


Suitable for long distance transportation inside the warehouse
Suitable for logistics companies

# BF25 / BF30

## Technical Specification

| Model | | BF25 | BF30 |
|---|---|---|---|
| Pump | | BF casting pump | |
| capacity | kg | 2500 | 3000 |
| Height of fork | mm | 75-190 / 85-200 | |
| Fork width | mm | 550/685 | |
| Fork Length | mm | 800/900/1000/1100/1150/1220 | |
| Steering wheel size | mm | 180 | |
| Front wheel size (twin wheels) | mm | Φ80×70 / Φ74×70 | |
| Front wheel dimensions (single wheel) | mm | Φ80×93 / Φ74×93 | |
| Material of the wheel | | Nylon / PU | |
| Pump time to the top | times | ⩽13 | |
| packing | pcs/pallet | 6 | |
| Net Weight | kg | 68-75 | |



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BF25 / BF30 PALLET TRUCK

## BF20-S / BF30-S

# STAINLESS STEEL PALLET TRUCK

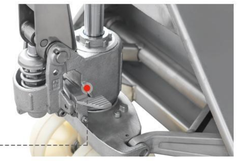
Capacity 2000 KGS / 3000 KGS

Professional and ideal storage aid for all variety of manual transport tasks over short distances in stores and warehouse as well as factory plants

Top class range of pallet truck with excellent designs, reliable, sturdy, torsion-resistant

### Sealed oil cylinder

Excellent whole casting hydraulic pump, robust and durable, with fine control of lowering speed and overload valve, low routine maintenance.



### Entry roller

Tandem load roller with additional entry roller which guarantees for maximum stability and safety for transporting goods on slopes.

### Long handle

mechanical steering, ergonomic, flexible handling.

### Nylon

Low drag efforts, high resistance to chemicals, preferred in food, fishing and chemical industries with smooth floors.



### Rubber

Best choice for quiet and durable demands, ideal for smooth and rough floors.

Three position operational handle lever for lifting, transportation and lowering purposes.

Ergonomically designed handle with comfortable rubber grip allows the optimized safety as well as comfortable.

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.



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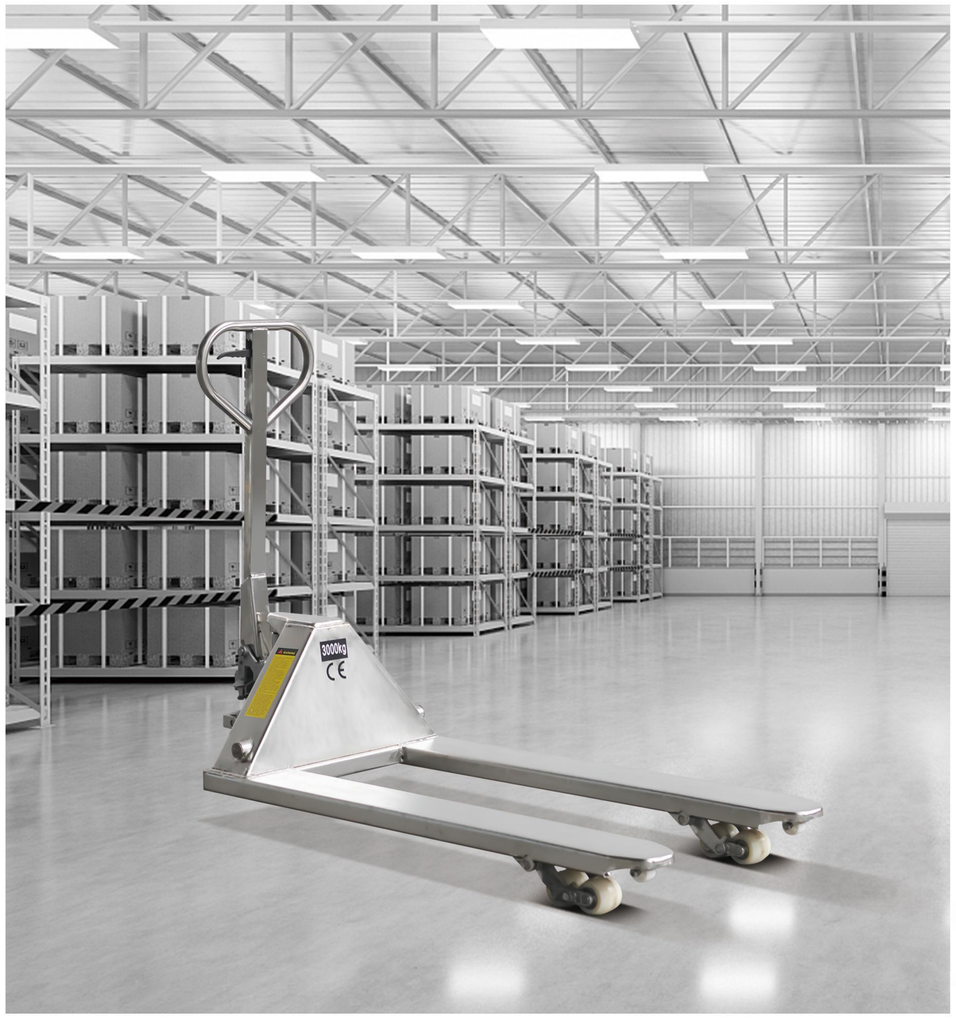
BF20-S / BF30-S PALLET TRUCK

# PRODUCT

## Product display

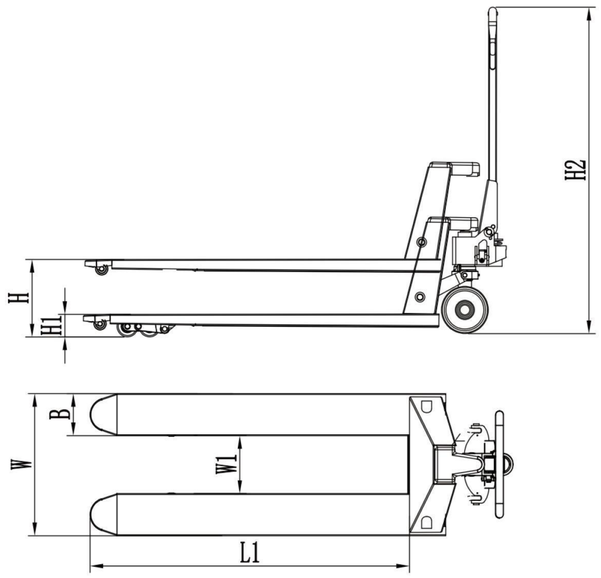



Suitable for long distance transportation inside the warehouse
Suitable for logistics companies

# BF20-S / BF30-S

## Technical Specification

| Model | | BF20-S | BF30-S |
|---|---|---|---|
| Load capacity | kg | 2000 | 3000 |
| Min. fork height | H1 (mm) | 85 | |
| Max.fork height | H (mm) | 200 | |
| Max. lift height | mm | 115 | |
| Fork width(outer) | W (mm) | 550/685 | |
| Fork width(inner) | W1 (mm) | 230/365 | |
| Fork dimensions（s*B*L1) | mm | 50*160*1150/1220 | |
| Overall length | L (mm) | 1315-1620 | |
| Overall height | H2 (mm) | 1245 | |
| Tire size(single wheel), rear | mm | Φ80*93 | |
| Tire size(tandem wheels), rear | mm | Φ80*70 | |
| Steering wheel size | mm | Φ180*50 | |
| Min. turning radius | mm | 1120/1300/1350/1450 | |
| Wheel material | | Nylon/Rubber | |
| Service weight | kg | 68/72 | 72/75 |
| Package weight(6pcs/package) | kg | 430/452 | 450/468 |
| Package size | a*b*h | 2T 550*1150:2200*550*680 | 3T 685*1220:2200*700*680 |



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BF20-S / BF30-S PALLET TRUCK

# SHPT20A
# SCALE HAND PALLET TRUCK

Capacity 2000 KGS

With 4 accurate press sensor cells
Accuracy ±0.1%





Three position operational handle lever for lifting, transportation and lowering purposes.

Ergonomically designed handle with comfortable rubber grip allows the optimized safety as well as comfortable.

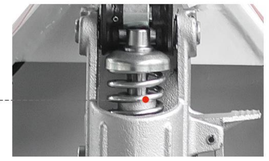
● Handle Option

## Sealed oil cylinder

Excellent whole casting hydraulic pump, robust and durable, with fine control of lowering speed and overload valve, low routine maintenance.

## Stronger steel spring

Easy rebound and long life.



## Polyurethane

Ideal for delicate floors with hard wearing and non-marking property, quiet and durable.

## Nylon

Low drag efforts, high resistance to chemicals, preferred in food, fishing and chemical industries with smooth floors.



## Rubber

Best choice for quiet and durable demands, ideal for smooth and rough floors.

## Main Feature

### High strength chassis design

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SHPT20A PALLET TRUCK

# PRODUCT

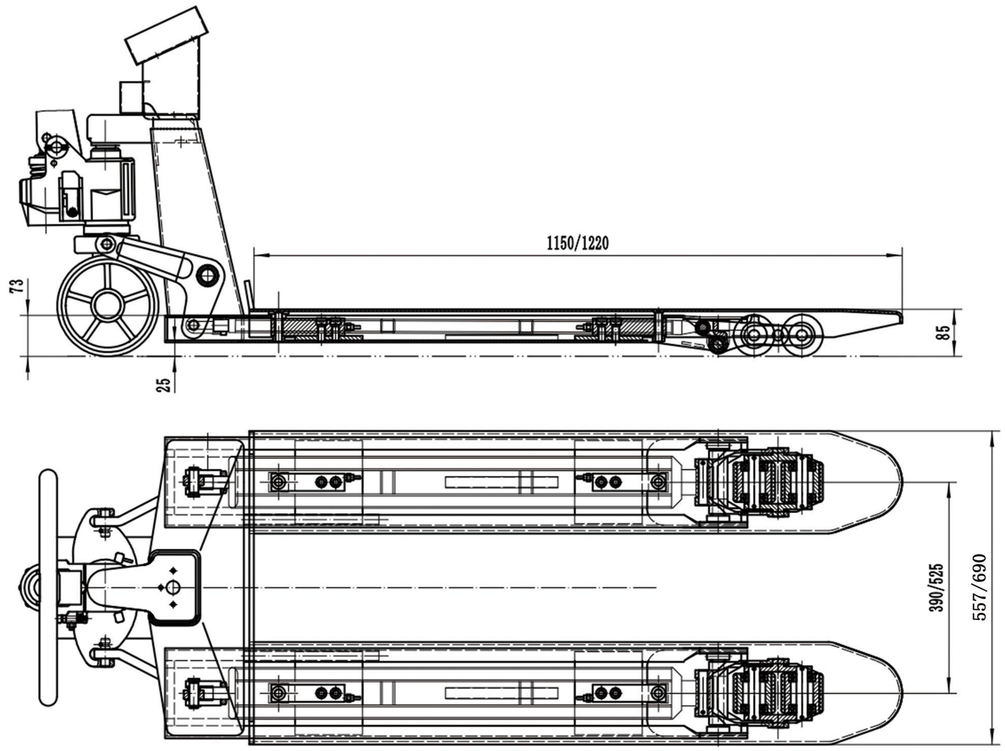
## Product display


Suitable for long distance transportation inside the warehouse
Suitable for logistics companies

# SHPT20A

## Technical Specification

| Model | | SHPT20A |
|---|---|---|
| Load capacity | kg | 2000 |
| Steering wheel | mm | Φ180×50 |
| Single load roller | mm | Φ80×93 |
| Tandem load roller | mm | Φ80×70 |
| Fork height | mm | 85-200 |
| Weighing accuracy | % | ±0.1 |
| Fork width | mm | 555/690 |
| Fork length | mm | 1150/1220 |





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# SHPT20B / SHPT30B
# SCALE HAND PALLET TRUCK

Capacity 2000 KGS / 3000KGS

With 4 accurate press sensor cells
Accuracy ±0.1%







Three position operational handle lever for lifting, transportation and lowering purposes.

Ergonomically designed handle with comfortable rubber grip allows the optimized safety as well as comfortable.

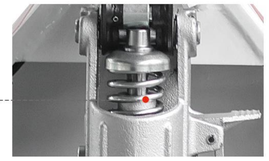
- Handle Option

### Sealed oil cylinder

Excellent whole casting hydraulic pump, robust and durable, with fine control of lowering speed and overload valve, low routine maintenance.

### Stronger steel spring

Easy rebound and long life.



### Polyurethane

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### Nylon

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### Rubber

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## Main Feature

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### Security and stability

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SHPT20B / SHPT30B PALLET TRUCK

# PRODUCT

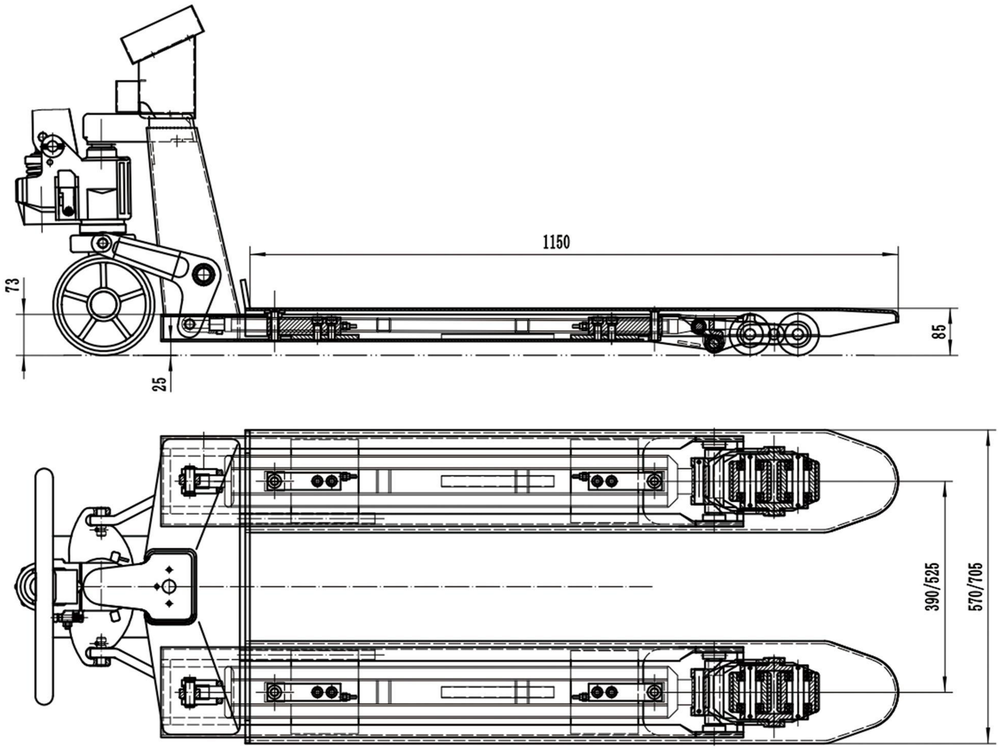
## Product display


Suitable for long distance transportation inside the warehouse
Suitable for logistics companies

# SHPT20B / SHPT30B

## Technical Specification

| Model | | SHPT20B | SHPT30B |
|---|---|---|---|
| Load capacity | kg | 2000 | 3000 |
| Power supply | | 3.7V DC | |
| Environmental conditions | | Dry environment | |
| Operating temperature | | -10°C— 40°C(14°F to 104°F) | |
| Fork height, min./max. | mm | 76/190 \|\| 85/200 | |
| Weighing accuracy | % | ±0.1 | |
| Fork width | mm | 570/705 | |
| Fork length | mm | 1150 | |





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# EPT15V / EPT20V
# ELECTRIC PALLET TRUCK

Capacity 1500 KGS / 2000 KGS

Drive by lithium battery

Carry materials efficiently

Perfect alternative for hand pallet truck


Pin-code handle
(For option)


### 4 mm thickness motor cover

Effectively protect the internal motor and the wiring device.

### ABS dustproof plastic shell

Make the internal controller and wiring more clean and looks more nicer.

### Replaceable battery

Make the charging conveniently


### Balance roller for option

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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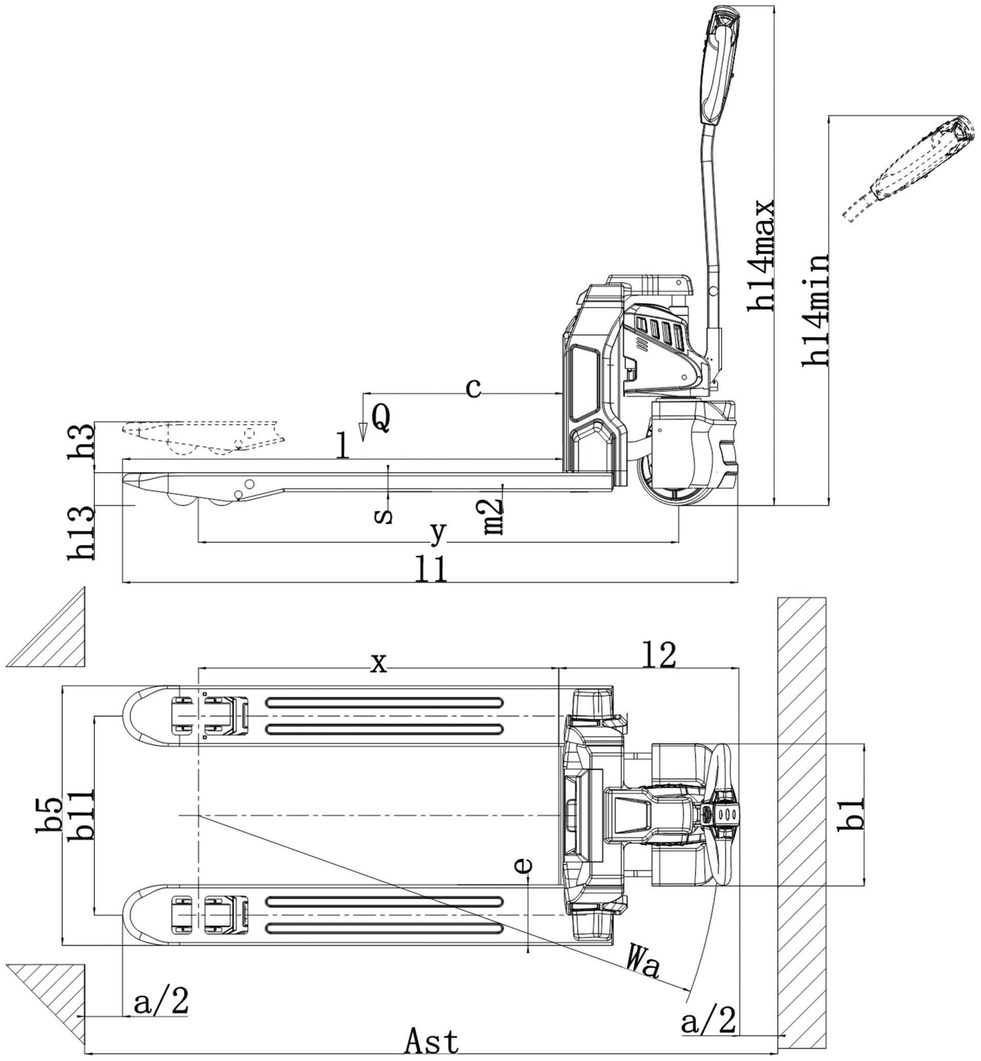
# SPECIFICATION

## Technical Specification






# EPT15V / EPT20V

## Technical Specification

| | | Manufacturer's type designation | | EPT-V | |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power(battery,diesel,petrol gas,manual) | | Battery | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 | 2.0 |
| | 1.6 | Load centre distance | C (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 950 | |
| | 1.9 | Wheelbase | Y (mm) | 1270 | |
| Weight | 2.1 | Service weight | kg | 142 | 145 |
| | 2.2 | Axle loading, laden front/rear | kg | 828/1326 | |
| | 2.3 | Axle loading, unladen front/rear | kg | 100/34.5 | |
| Tires, chassis | 3.1 | Tires | | PU | |
| | 3.2 | Tire size, front | ⌀×w (mm) | ϕ210×75 | |
| | 3.3 | Tire size, rear | ⌀×w (mm) | ϕ80×70 | |
| | 3.4 | Additional wheels(dimensions) | ⌀×w (mm) | \ | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x/4 | |
| | 3.6 | Tread, front | $b_{10}$ (mm) | \ | |
| | 3.7 | Tread, rear | $b_{11}$ (mm) | 390/525 | |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 110-115 | 100 |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 585/1250 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 75/85 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1620 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 470 | |
| | 4.21 | Overall width | $b_1$ (mm) | 550/685 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 50/160/1150 | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 550/685 | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 35 | |
| | 4.33 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2182 | |
| | 4.34 | Fork dimensions | Ast (mm) | 2052 | |
| | 4.35 | Turning radius | Wa (mm) | 1380 | |
| Performance | 5.1 | Travel speed, laden/ unladen | km/h | 4.2/4.5 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.017/0.02 | |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.04/0.04 | |
| | 5.8 | Gradeability, laden/ unladen | % | 6/10 | |
| | 5.10 | Service brake | | Electromagnetic | |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 0.75 | 0.9 |
| | 6.2 | Lift motor rating at S3 10% | kw | 0.5 | 0.8 |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/20(30,40,50) | 48/15(20) |
| Additional data | 6.5 | Battery weight (minimum) | kg | 5.5 | |
| | 6.6 | Energy consumption acc. to VDI cycle | KWh/h | \ | |
| | 8.1 | Type of drive control | | DC speed control | |
| | 8.4 | Sound level at driver`s ear acc. to EN 12053 | dB(A) | ⩽70 | |



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# EPT15 / EPT20
# ELECTRIC PALLET TRUCK

Capacity 1500KGS / 2000 KGS
Drive by lithium battery
Moves quick and efficient
Perfect alternative to hand pallet truck


**Tandem load roller**
Guarantees for maximum stability and safety

**Thick metal cover**
Protects inside motor and wiring

**Balancing wheels (For option)**

**Replaceable battery**
Convenient to charge

- Pin-code handle (For option)


## Main Feature

**High strength chassis design**
The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**
By pairing battery volums and its chargers to match various work time demands.

**Security and stability**
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**
Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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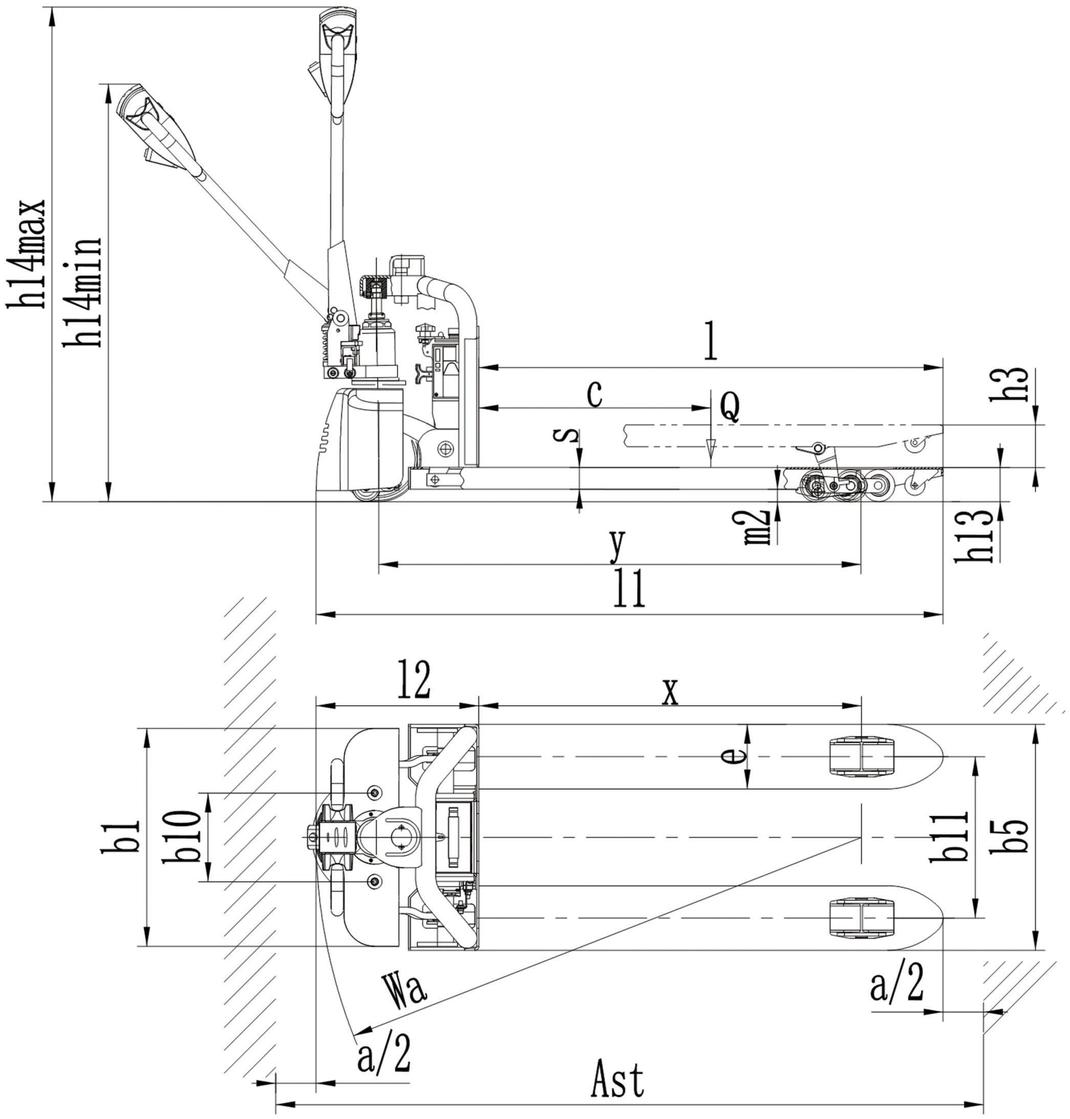
EPT15 / EPT20 PALLET TRUCK

# SPECIFICATION

## Technical Specification






# EPT15 / EPT20

## Technical Specification

| | | Manufacturer's type designation | | EPT15 | EPT20 |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 | 2.0 |
| | 1.6 | Load centre distance | C (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 950/1020 | |
| | 1.9 | Wheelbase | y (mm) | 1220/1290 | 1265 |
| Weight | 2.1 | Service weight | kg | 155/160 | 335 |
| | 2.2 | Axle loading, laden front/rear | kg | \ | |
| | 2.3 | Axle loading, unladen front/rear | kg | \ | |
| Tires, chassis | 3.1 | Tires | | PU | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ80×70 | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ210×70 | ϕ190×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ70×36 | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x/4 | 1x+2/4 |
| | 3.6 | Track, front | $b_{10}$ (mm) | \ | |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 400/520 | |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 105 | |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 600/1220 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 85/75 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1560/1630 | 1620/1630 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 410 | 458 |
| | 4.21 | Overall width | $b_1$ (mm) | 560/680 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 50/160/1150(1220) | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/680 | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 | |
| | 4.33 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2152/2220 | 2232/2240 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2022/2059 | 2102/2079 |
| | 4.35 | Turning radius | Wa (mm) | 1350/1420 | |
| Performance | 5.1 | Travel speed, laden/ unladen | Km/h | 4.2/4.5 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.022/0.017 | 0.035/0.045 |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.026/0.03 | 0.05/0.04 |
| | 5.8 | Gradeability, laden/ unladen | % | 6/10 | 5/7 |
| | 5.10 | Service brake | | Electromagnetic | |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 0.75 | 0.85 |
| | 6.2 | Lift motor rating at S3 10% | kw | 0.5 | |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/25 | 48/15 |
| | 6.5 | Battery weight (minimum) | kg | 7 | 50 |
| | 6.6 | Energy consumption acc. to VDI cycle | KWh/h | \ | |
| Additional data | 8.1 | Type of drive control | | DC speed control | |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 | |



QIANGSHENG MACHINERY DOO
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ADD: STEVE JOVANOVIĆA 57, 11272, DOBANOVCI, Serbia

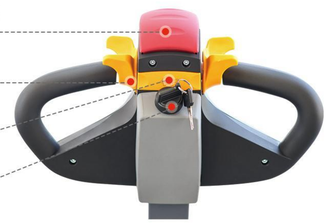
# EPT15Q
# ELECTRIC PALLET TRUCK

Capacity 1500 KGS

Battery maintenance-free
Easy and fast charging

Robust and durable frame and chassis

Ergonomic long handle design
Compact, flexible and easy to operate



**PU tandem wheel**
Stable and Durable

**Thick metal cover**
Protect motor

**Emergency button**
Make operator safety

**Long handle**
Ergonomic and Compact

**2 sets Lead-acid battery**
long time working

## Main Feature

**High strength chassis design**

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**

By pairing battery volums and its chargers to match various work time demands.

**Security and stability**

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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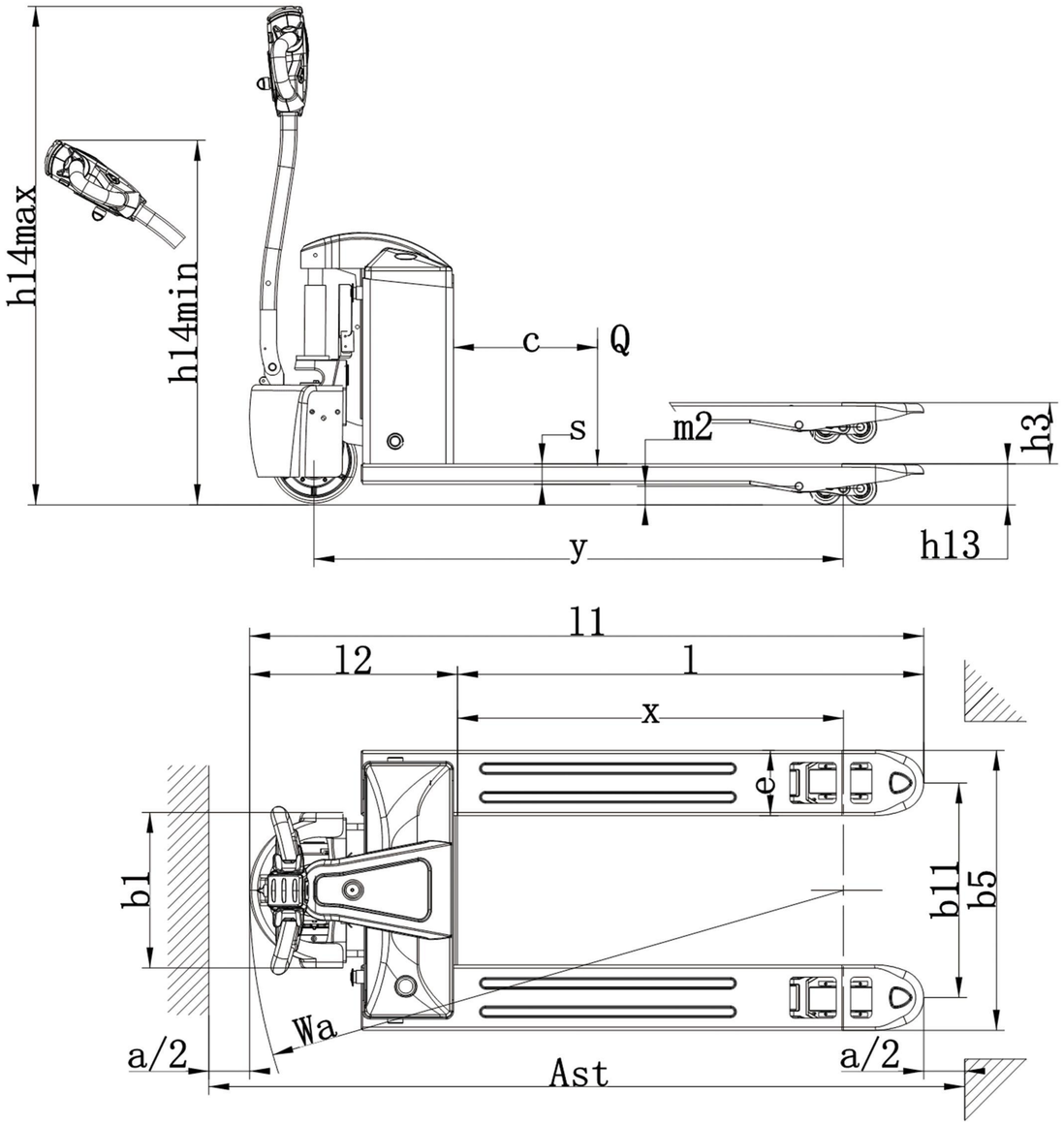
EPT15Q PALLET TRUCK

# SPECIFICATION

## Technical Specification




EPT15Q PALLET TRUCK

# EPT15Q

## Technical Specification

| | | Manufacturer's type designation | | EPT15Q |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 600 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 944 |
| | 1.9 | Wheelbase | y (mm) | 1294 |
| Weight | 2.1 | Service weight | kg | 187 |
| | 2.2 | Axle loading, laden front/rear | kg | 588/1111 |
| | 2.3 | Axle loading, unladen front/rear | kg | 145/43 |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×75 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | \ |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x/4 |
| | 3.6 | Track, front | $b_{10}$ (mm) | \ |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 390/525 |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 105 |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 585/1220 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 75/85 |
| | 4.19 | Overall length | $l_1$ (mm) | 1648 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 508 |
| | 4.21 | Overall width | $b_1$ (mm) | 560/685 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 50/160/1150 |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 550/685 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 35 |
| | 4.33 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2196 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2068 |
| | 4.35 | Turning radius | Wa (mm) | 1393 |
| Performance | 5.1 | Travel speed, laden/ unladen | Km/h | 4.2/4.5 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.02/0.023 |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.06/0.058 |
| | 5.8 | Gradeability, laden/ unladen | % | 6/10 |
| | 5.10 | Service brake | | Electromagnetic |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 0.75 |
| | 6.2 | Lift motor rating at S3 10% | kw | 0.8 |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 12/75×2 |
| | 6.5 | Battery weight (minimum) | kg | 18.8×2 |
| | 6.6 | Energy consumption acc: to VDI cycle | KWh/h | \ |
| Additional data | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | ⩽70 |



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# EPT20Q
# ELECTRIC PALLET TRUCK

Capacity 2000 KGS

Battery maintenance-free
Easy and fast charging

Robust and durable frame and chassis

Ergonomic long handle design
Compact, flexible and easy to operate

- Pin-code handle
(For option)


**Thick metal cover**
Protect motor

**Emergency button**
Make operator safety

**PU tandem wheel**
The tandem wheels ensure the maximum stability and safety of cargo transportation.

**2 sets Lead-acid battery**
long time working

## Main Feature

**High strength chassis design**
The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**
By pairing battery volums and its chargers to match various work time demands.

**Security and stability**
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**
Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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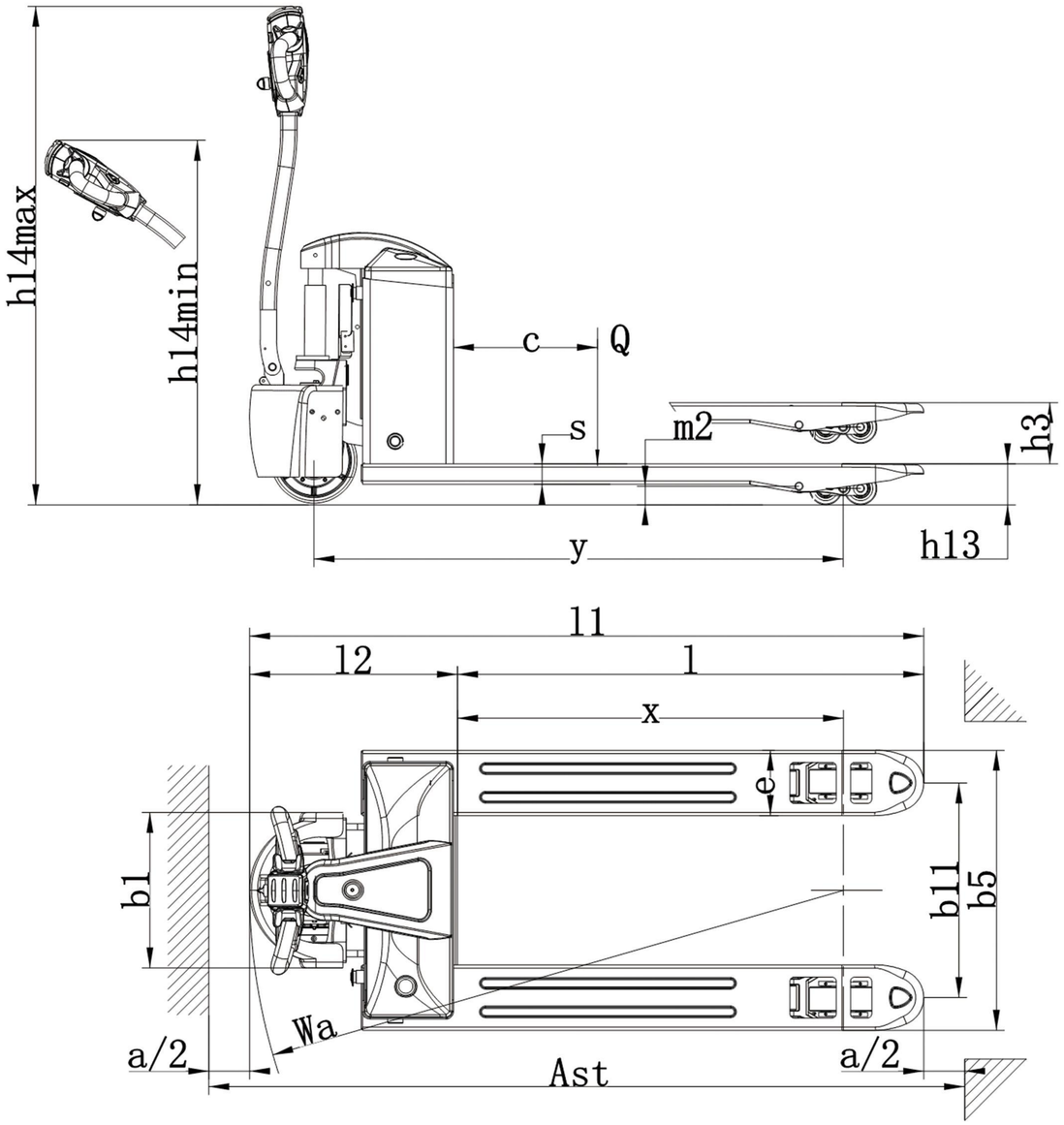
EPT20Q PALLET TRUCK

# SPECIFICATION

## Technical Specification




EPT20Q PALLET TRUCK

# EPT20Q

## Technical Specification

| | | Manufacturer's type designation | | EPT20Q | |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load capacity / Rated load | Q(t) | 2.0 | |
| | 1.6 | Load centre distance | C (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 944 | |
| | 1.9 | Wheelbase | y (mm) | 1294 | |
| Weight | 2.1 | Service weight | kg | 200 | 159 |
| | 2.2 | Axle loading, laden front/rear | kg | 959/1232 | |
| | 2.3 | Axle loading, unladen front/rear | kg | 151/49 | |
| Tires, chassis | 3.1 | Tires | | PU | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×75 | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | \ | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x/4 | |
| | 3.6 | Track, front | $b_{10}$ (mm) | \ | |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 390/525 | |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 105 | |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 585/1220 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 75/85 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1648 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 508 | |
| | 4.21 | Overall width | $b_1$ (mm) | 560/685 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 50/160/1150 | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 550/685 | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 | |
| | 4.33 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2196 | |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2068 | |
| | 4.35 | Turning radius | Wa (mm) | 1393 | |
| Performance | 5.1 | Travel speed, laden/ unladen | Km/h | 4.6/4.7 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.021/0.03 | |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.06/0.04 | |
| | 5.8 | Gradeability, laden/ unladen | % | 6/10 | |
| | 5.10 | Service brake | | Electromagnetic | |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 0.9 | |
| | 6.2 | Lift motor rating at S3 10% | kw | 0.8 | |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 12/85×2(Lead acaid battery) | 48/20(Lithium battery) |
| | 6.5 | Battery weight (minimum) | kg | 23×2 | 6 |
| | 6.6 | Energy consumption acc: to VDI cycle | KWh/h | \ | |
| Additional data | 8.1 | Type of drive control | | DC speed control | |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | ⩽70 | |



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# EPT20E / EPT25E
# ELECTRIC PALLET TRUCK

Capacity 2000 KGS / 2500 KGS
Drive by lithium battery
Moves quick and efficient
Perfect alternative to hand pallet truck


- Pin-code handle (For option)

Drive control
Turtle speed
Battery indicator
Magnetic movable key

Emergency reverse
Horn
Lifting & lowering

**PU tandem wheel**
Stable and Durable

**Thick metal cover**
Protect internal motor

**Emergency button**
Make operator safety


**Replaceable battery**
Convenient charging

## Main Feature

**High strength chassis design**
The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**
By pairing battery volums and its chargers to match various work time demands.

**Security and stability**
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**
Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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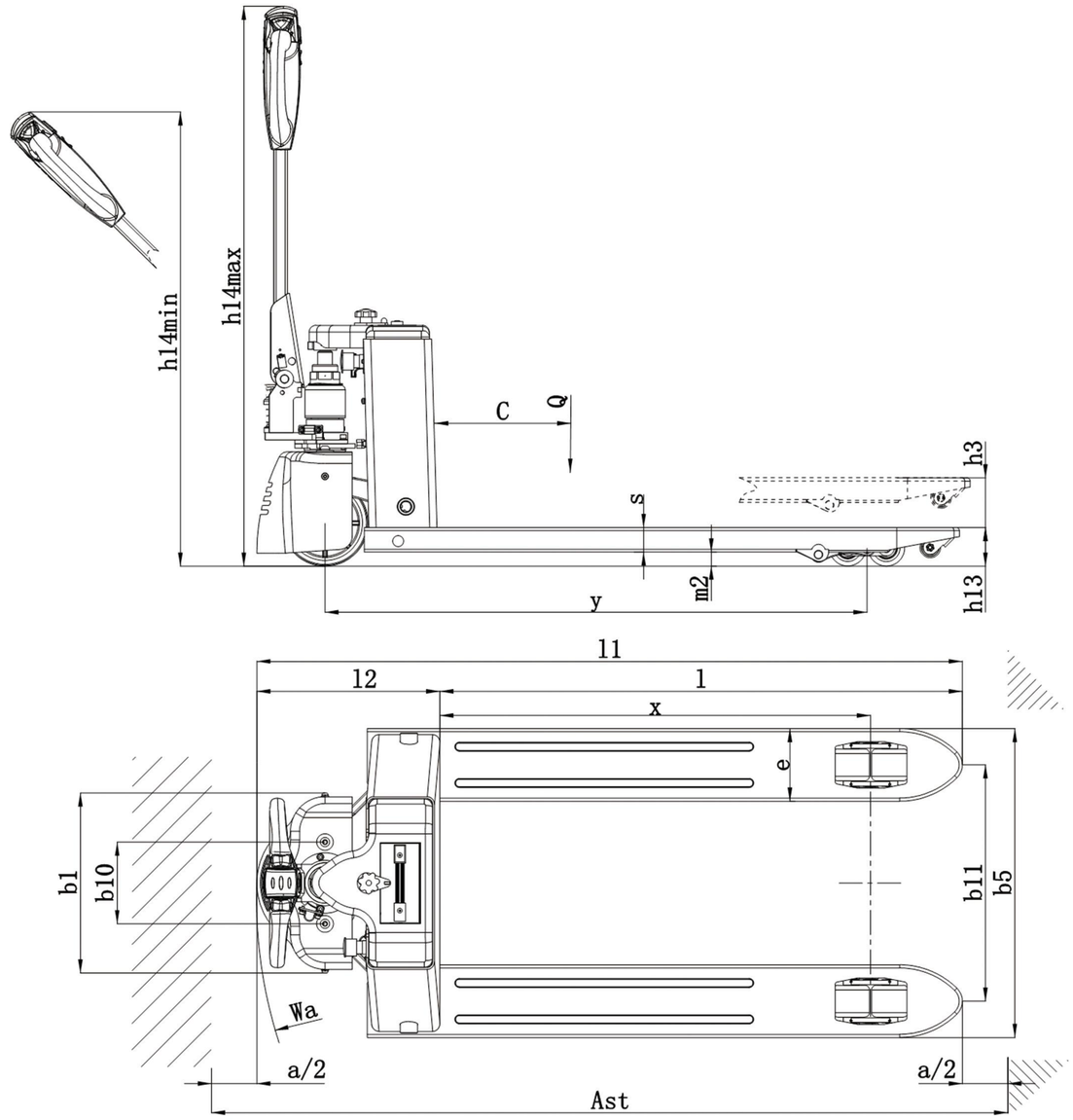
EPT20E / EPT25E PALLET TRUCK

# SPECIFICATION

## Technical Specification






# EPT20E / EPT25E

## Technical Specification

| | | Manufacturer's type designation | | EPT20E | EPT25E |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load capacity / Rated load | Q(t) | 2.0 | 2.5 |
| | 1.6 | Load centre distance | C (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 950/1020 | |
| | 1.9 | Wheelbase | y (mm) | 1200/1270 | |
| Weight | 2.1 | Service weight | kg | 120 | |
| | 2.2 | Axle loading, laden front/rear | kg | 882/1357 | |
| | 2.3 | Axle loading, unladen front/rear | kg | 88/32 | |
| Tires, chassis | 3.1 | Tires | | PU | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ190×70 | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | \ | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x/4 | |
| | 3.6 | Track, front | $b_{10}$ (mm) | \ | |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 400/520 | |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 110 | |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 600/1200 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 75/85 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1560 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 410 | |
| | 4.21 | Overall width | $b_1$ (mm) | 560/680 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 50/160/1150 (1220) | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/680 | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 35 | |
| | 4.33 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2162/2230 | |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2032/2069 | |
| | 4.35 | Turning radius | Wa (mm) | 1360/1430 | |
| Performance | 5.1 | Travel speed, laden/ unladen | Km/h | 4.2/4.5 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.025/0.035 | |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.035/0.030 | |
| | 5.8 | Gradeability, laden/ unladen | % | 6/10 | |
| | 5.10 | Service brake | | Electromagnetic | |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 0.85 | |
| | 6.2 | Lift motor rating at S3 10% | kw | 0.5 | 0.8 |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 48/10 \| 48/15 | 48/15 \| 48/20 |
| | 6.5 | Battery weight (minimum) | kg | 4.5 | |
| | 6.6 | Energy consumption acc: to VDI cycle | KWh/h | \ | |
| Additional data | 8.1 | Type of drive control | | DC speed control | |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | ⩽70 | |



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# EPT20ES
# SCALE ELECTRIC PALLET TRUCK

Capacity 2000 KGS

Drive by lithium battery

With 4 accurate press sensor cells
Accuracy ±0.1%

Quick move and quick weighing





Pin-code handle
(For option)

Drive control

Turtle speed

Battery indicator

Magnetic movable key

Emergency reverse

Horn

Lifting & lowering

### 3 mm thickness motor cover

Steel motor protective cover, thick, collision proof.
All kinds of collision and extrusion during the handling process, play a decisive protection.

### PU tandem wheel

The tandem wheels ensure the maximum stability and safety of cargo transportation.

### Replaceable battery

Make the charging conveniently

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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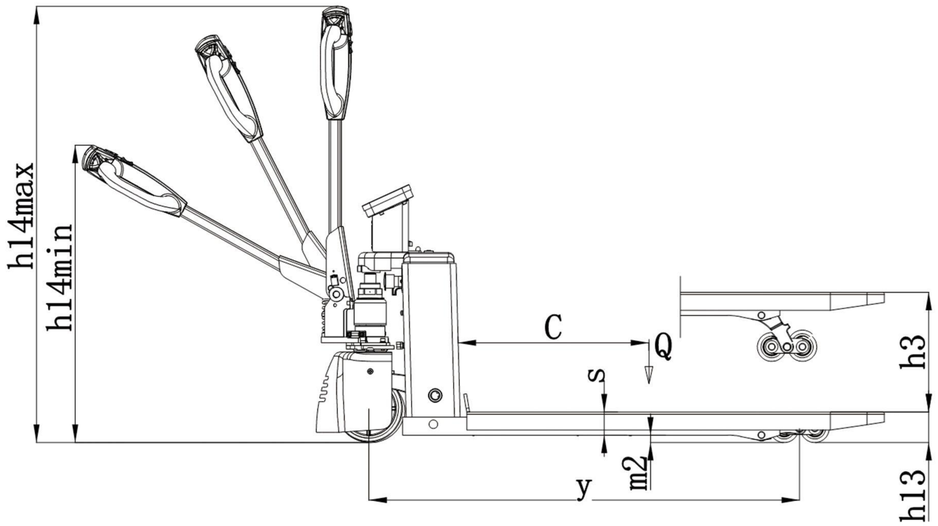
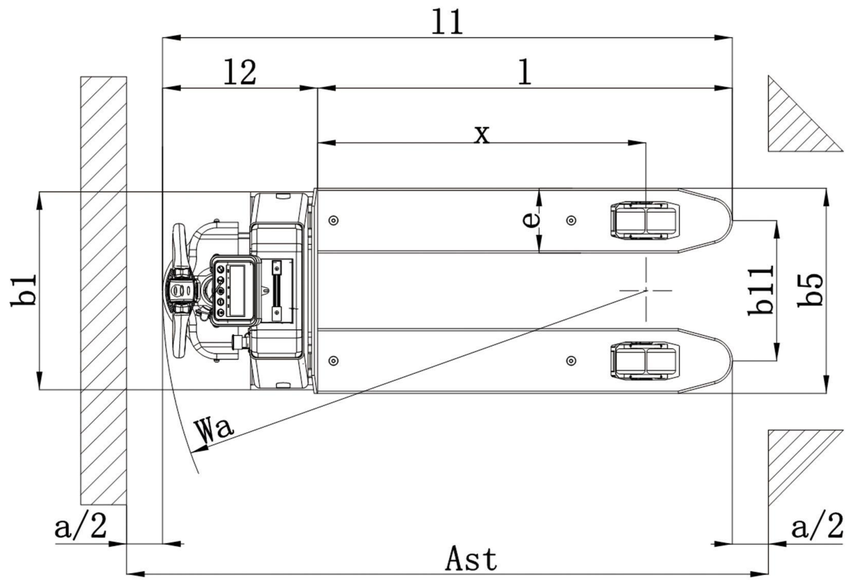
EPT20ES PALLET TRUCK

# SPECIFICATION

## Technical Specification










# EPT20ES

## Technical Specification

| | | Manufacturer's type designation | | EPT-ES |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power(battery,diesel,petrol gas,manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 2.0 |
| | 1.6 | Load centre distance | C (mm) | 600 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 910 |
| | 1.9 | Wheelbase | Y (mm) | 1220 |
| Weight | 2.1 | Service weight | kg | 132 |
| | 2.2 | Axle loading, laden front/rear | kg | \ |
| | 2.3 | Axle loading, unladen front/rear | kg | \ |
| Tires, chassis | 3.1 | Tires | | Polyester iron core |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ190×70 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | \ |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x/4 |
| | 3.6 | Tread, front | $b_{10}$ (mm) | \ |
| | 3.7 | Tread, rear | $b_{11}$ (mm) | 390/510 |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 110 |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 600/1200 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 85 |
| | 4.19 | Overall length | $l_1$ (mm) | 1540 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 395 |
| | 4.21 | Overall width | $b_1$ (mm) | 570/690 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 60/180/1150 (1220) |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 570/690 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 |
| | 4.33 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2157 |
| | 4.34 | Fork dimensions | Ast (mm) | 2044 |
| | 4.35 | Turning radius | Wa (mm) | 1350 |
| Performance | 5.1 | Travel speed, laden/ unladen | km/h | 4.2/4.5 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.017/0.022 |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.03/0.026 |
| | 5.8 | Gradeability, laden/ unladen | % | 6/10 |
| | 5.10 | Service brake | | Electromagnetic |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 0.85 |
| | 6.2 | Lift motor rating at S3 10% | kw | 0.5 |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 48/15 |
| Additional data | 6.5 | Battery weight (minimum) | kg | 4.5 |
| | 6.6 | Energy consumption acc. to VDI cycle | KWh/h | \ |
| | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver`s ear acc. to EN 12053 | dB(A) | 67 |

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# EPT20ES-S
# SCALE ELECTRIC PALLET TRUCK

Capacity 2000 KGS

Drive by lithium battery

With 4 accurate press sensor cells
Accuracy ±0.1%

Quick move and quick weighing




Pin-code handle
(For option)

Drive control

Turtle speed

Battery indicator

Magnetic movable key

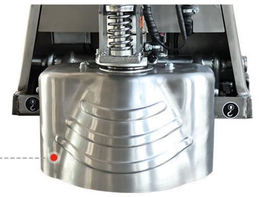
Emergency reverse

Horn

Lifting & lowering

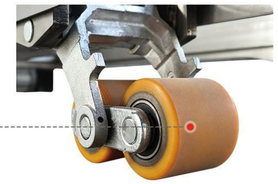
### 3 mm thickness motor cover

Steel motor protective cover, thick, collision proof.
All kinds of collision and extrusion during the handling process, play a decisive protection.



### PU tandem wheel

The tandem wheels ensure the maximum stability and safety of cargo transportation.



### Replaceable battery

Make the charging conveniently

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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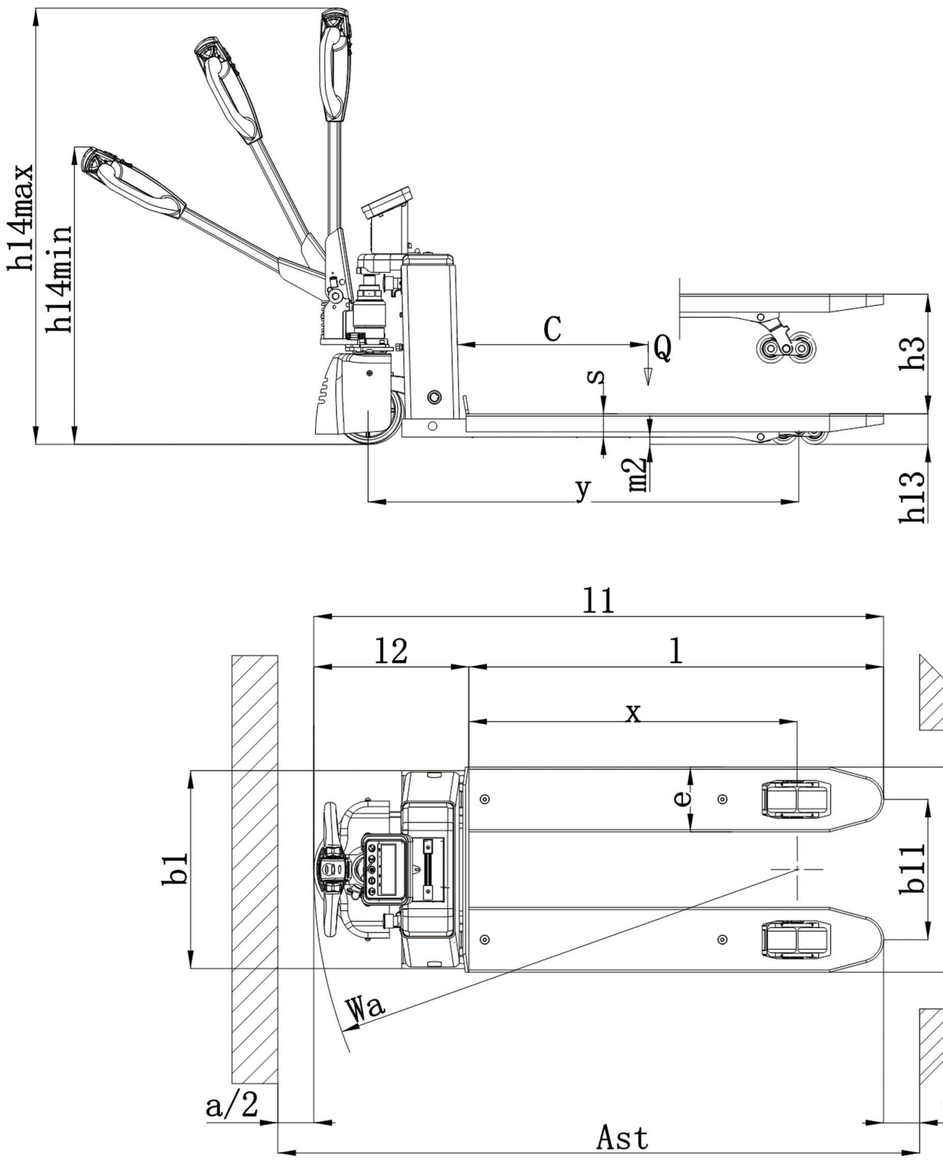
EPT20ES-S PALLET TRUCK

# SPECIFICATION

## Technical Specification






# EPT20ES-S

## Technical Specification

| | | Manufacturer's type designation | | EPT20ES-S |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power(battery,diesel,petrol gas,manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 2.0 |
| | 1.6 | Load centre distance | C (mm) | 600 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 910 |
| | 1.9 | Wheelbase | Y (mm) | 1220 |
| Weight | 2.1 | Service weight | kg | 132 |
| | 2.2 | Axle loading, laden front/rear | kg | \ |
| | 2.3 | Axle loading, unladen front/rear | kg | \ |
| Tires, chassis | 3.1 | Tires | | Polyester iron core |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ190×70 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | \ |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x/4 |
| | 3.6 | Tread, front | $b_{10}$ (mm) | \ |
| | 3.7 | Tread, rear | $b_{11}$ (mm) | 390/510 |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 110 |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 600/1200 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 85 |
| | 4.19 | Overall length | $l_1$ (mm) | 1540 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 395 |
| | 4.21 | Overall width | $b_1$ (mm) | 570/690 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 60/180/1150 (1220) |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 570/690 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 |
| | 4.33 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2157 |
| | 4.34 | Fork dimensions | Ast (mm) | 2044 |
| | 4.35 | Turning radius | Wa (mm) | 1350 |
| Performance | 5.1 | Travel speed, laden/ unladen | km/h | 4.2/4.5 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.017/0.022 |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.03/0.026 |
| | 5.8 | Gradeability, laden/ unladen | % | 6/10 |
| | 5.10 | Service brake | | Electromagnetic |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 0.85 |
| | 6.2 | Lift motor rating at S3 10% | kw | 0.5 |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 48/15 |
| Additional data | 6.5 | Battery weight (minimum) | kg | 4.5 |
| | 6.6 | Energy consumption acc. to VDI cycle | KWh/h | \ |
| | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver`s ear acc. to EN 12053 | dB(A) | 67 |



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# QET20
# ELECTRIC PALLET TRUCK

Capacity 2000 KGS

Electric walkie pallet truck

Economic and practical

Drive by lithium battery

Emergency reverse

Horn

Lifting & Lowering

Drive control

Turtle speed

Battery indicator & Key lock

## External socket

Convenient for charging

## Emergency button

Located where you can easily reach and control, assuring safety for people and vehicle.

## Tandem load roller

Guarantees for maximum stability and safety

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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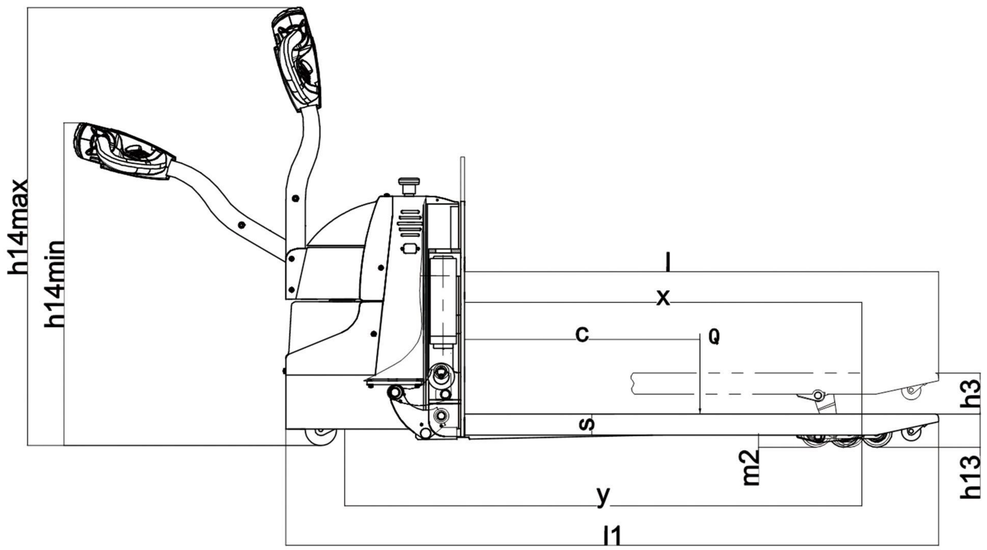
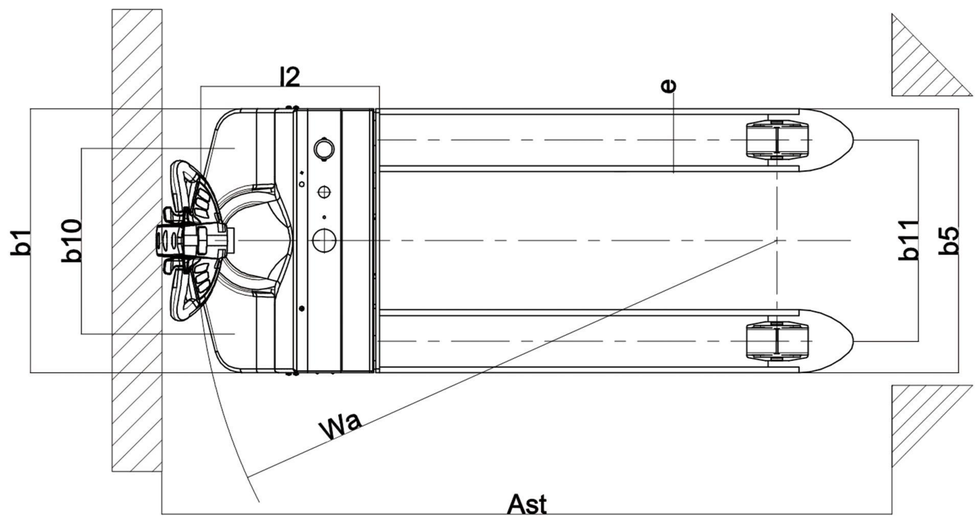
PALLET TRUCK QET20

# SPECIFICATION

## Technical Specification






# QET20

## Technical Specification

| | | Manufacturer's type designation | | QET20 |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power(battery,diesel,petrol gas,manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 2.0 |
| | 1.6 | Load centre distance | C (mm) | 600 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 1050 |
| | 1.9 | Wheelbase | Y (mm) | 1265 |
| Weight | 2.1 | Service weight | kg | 253 |
| | 2.2 | Axle loading, laden front/rear | kg | 1056/1208 |
| | 2.3 | Axle loading, unladen front/rear | kg | 173/63 |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ190×70 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ70×36 |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+2/4 |
| | 3.6 | Tread, front | $b_{10}$ (mm) | \ |
| | 3.7 | Tread, rear | $b_{11}$ (mm) | 400/520 |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 105 |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 810/1210 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 85 |
| | 4.19 | Overall length | $l_1$ (mm) | 1620/1630 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 458 |
| | 4.21 | Overall width | $b_1$ (mm) | 680 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 160/54/1150 |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/680 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 35 |
| | 4.33 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2232/2242 |
| | 4.34 | Fork dimensions | Ast (mm) | 2057/2067 |
| | 4.35 | Turning radius | Wa (mm) | 1430/1440 |
| Performance | 5.1 | Travel speed, laden/ unladen | km/h | 4.2/4.5 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.035/0.045 |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.05/0.04 |
| | 5.8 | Gradeability, laden/ unladen | % | 5/6 |
| | 5.10 | Service brake | | Electromagnetic |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 0.85 |
| | 6.2 | Lift motor rating at S3 10% | kw | 0.8 |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 48/30 |
| Additional data | 6.5 | Battery weight (minimum) | kg | 11 |
| | 6.6 | Energy consumption acc. to VDI cycle | KWh/h | \ |
| | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver`s ear acc. to EN 12053 | dB(A) | 69 |



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# QET20P / QET25P / QET30P
# RIDER-CONTROL ELECTRIC PALLET TRUCK

Capacity 2000 KGS / 2500 KGS / 3000 KGS

Suitable for heavy and long distance operations

Equipped foldable platforms and floating drive wheels

Suitable for logistics companies


Emergency reverse

Horn

Lifting & Lowering

Drive control

Turtle speed


Emergency switch
Battery indicator

## Foldable arm

Increase security and protect the safety of users

## Replaceable battery

Designed on side of the vehicle, which is easy to replace and charge easily.

## Foldable platform

The operator can choose the operate type by walking or riding on flatform.

## Fixed platform (For option)

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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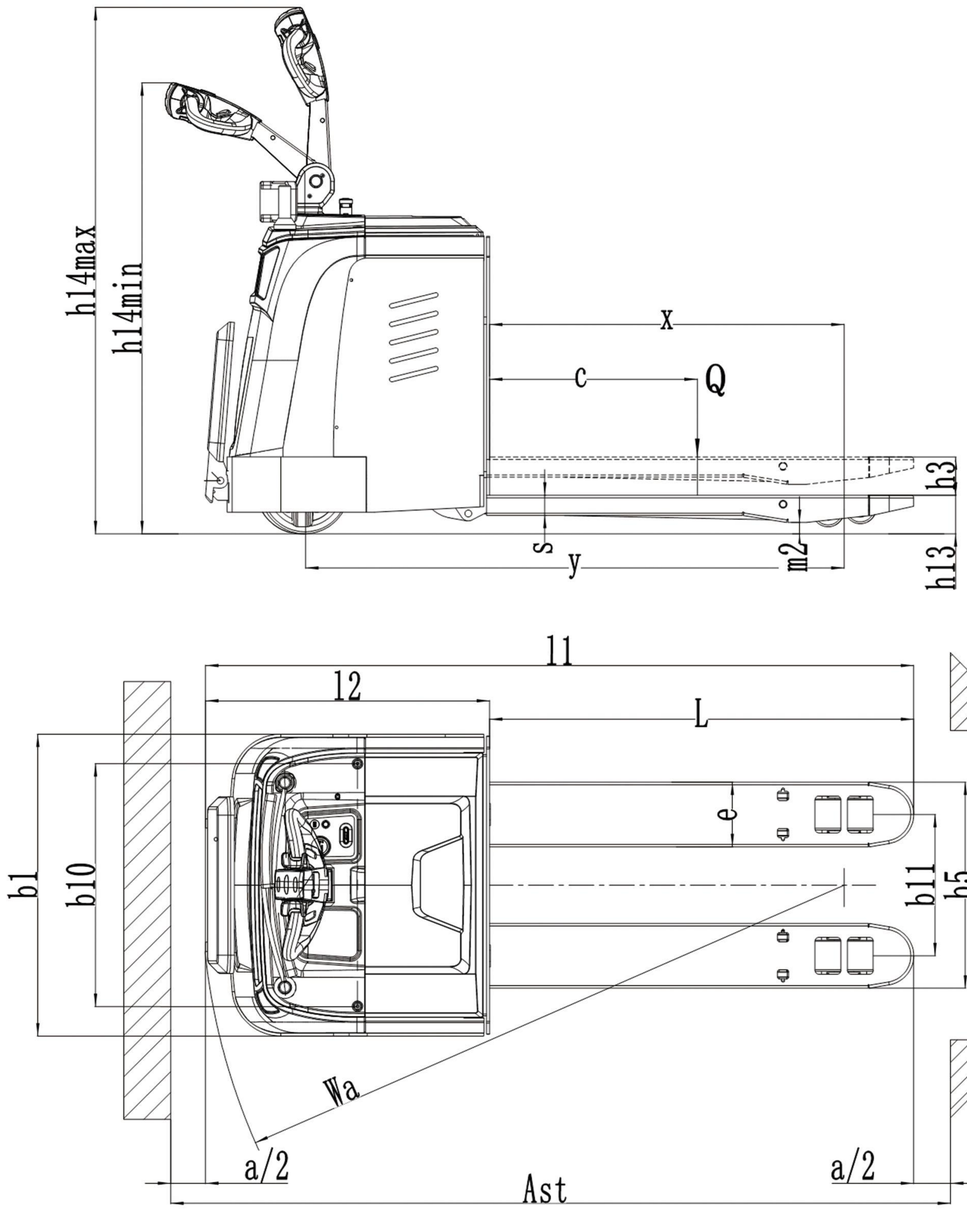
# SPECIFICATION

## Technical Specification






# QET20P / 25P / 30P

## Technical Specification

| | | Manufacturer's type designation | | QET-P | | |
|---|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power(battery,diesel,petrol gas,manual) | | Battery | | |
| | 1.4 | Operator type | | Station drive type | | |
| | 1.5 | Load capacity / Rated load | Q(t) | 2.0 | 2.5 | 3.0 |
| | 1.6 | Load centre distance | C (mm) | 600 | | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 960 | | |
| | 1.9 | Wheelbase | Y (mm) | 1500 | | |
| Weight | 2.1 | Service weight | kg | 625 | | |
| | 2.2 | Axle loading, laden front/rear | kg | 1095/1633 | | |
| | 2.3 | Axle loading, unladen front/rear | kg | 497/124 | | |
| Tires, chassis | 3.1 | Tires | | PU | | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ250×80 | | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×80 | | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ115×55 | | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+2/4 | | |
| | 3.6 | Tread, front | $b_{10}$ (mm) | 625 | | |
| | 3.7 | Tread, rear | $b_{11}$ (mm) | 385/510 | | |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 120 | | |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 1030/1430 | | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 85 | | |
| | 4.19 | Overall length | $l_1$ (mm) | 1930 | | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 780 | | |
| | 4.21 | Overall width | $b_1$ (mm) | 820 | | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 50/176/1150 | | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/685 | | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 | | |
| | 4.33 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2551 | | |
| | 4.34 | Fork dimensions | Ast (mm) | 2416 | | |
| | 4.35 | Turning radius | Wa (mm) | 1750 | | |
| Performance | 5.1 | Travel speed, laden/ unladen | km/h | 5.5/5.8 | | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.04/0.05 | | |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.06/0.05 | | |
| | 5.8 | Gradeability, laden/ unladen | % | 8/20 | | |
| | 5.10 | Service brake | | Electromagnetic braking | | |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 2.5(AC) | | |
| | 6.2 | Lift motor rating at S3 10% | kw | 2.2 | | |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ | | |
| | 6.4 | Battery voltage, nominal capacity K5 — Lead acid battery | V/Ah | 24/210 (270) | | |
| | | Battery voltage, nominal capacity K5 — Lithium battery (For option) | V/Ah | 24/(150,175,200,230) | | |
| Additional data | 6.5 | Battery weight (minimum) | kg | 200/260 | | |
| | 6.6 | Energy consumption acc. to VDI cycle | KWh/h | \ | | |
| | 8.1 | Type of drive control | | AC speed control | | |
| | 8.4 | Sound level at driver`s ear acc. to EN 12053 | dB(A) | 69 | | |



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# ATLAS EPT30Q
# FULL ELECTRIC PALLET TRUCK (OFF-ROAD MODEL)

High-strength and durable structure

Designed specifically for mountainous and potholedwaterlogged roads

Strong power and efficient passability

Long-distance battery technology


Indicator Lights

Driving control

Fork up button

Horn

Emergency reverse

Turtle speed

Fork lowering handle


Emergency switch
Charging port

### Nylon

Low drag efforts, high resistance to chemicals, preferred in food, fishing and chemical industries with smooth floors.

### Thickened fork

Thickened and reinforced design extends service life and improves durability.

### Off-road large wheels

Strong passability, no fear of various complex road surfaces.

## Main Feature

**High strength chassis design**

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**

By pairing battery volums and its chargers to match various work time demands.

**Security and stability**

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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ATLAS EPT30Q PALLET TRUCK

# PRODUCT

## Product display


Suitable for multiple scenarios

# ATLAS EPT30Q

## Technical Specification

| | | Model | | ATLAS EPT30Q |
|---|---|---|---|---|
| Features | 1 | Power form | | Electrical |
| | 2 | Operation | | Pedestrian |
| | 3 | Load | kg | 3000 |
| | 4 | Load center distance | mm | 600 |
| | 5 | Wheelbase | mm | 1230/1300 |
| Weight | 6 | Self weight with battery | kg | 212 |
| Wheel | 7 | Wheel Type | | Front rubber, rear PU/nylon |
| | 8 | Driving wheel size (diameter×width) | mm | ϕ350×100 |
| | 9 | Load-bearing wheel size (diameter×width) | mm | ϕ80×70/60 |
| | 10 | Number of wheels Drive side / Load side | | 1/4 |
| Basic size | 11 | Maximum height of fork | mm | 200 |
| | 12 | Lifting stroke | mm | 115 |
| | 13 | Minimum height of fork (±2mm) | mm | 85 |
| | 14 | Fork outer distance | mm | 550/685 |
| | 15 | Fork inner distance | mm | 250/385,240/365 |
| | 16 | Length of forks | mm | 1150/1220 |
| | 17 | Width of forks | mm | 150/160 |
| | 18 | Thickness of forks | mm | 60 |
| | 19 | Overall width | mm | 570/685 |
| | 20 | Overall height without handle | mm | 770 |
| | 21 | Overall length | mm | 1780 |
| | 22 | Overall height with handle | mm | 1260 |
| | 23 | Turning Radius | mm | 1550 |
| Capability | 24 | Travel speed, laden/unladen | km/h | 4/4.5 |
| | 25 | Lifting speed, laden/unladen | mm/s | 15/19 |
| | 26 | Maximum climbing grade, laden/unladen | % | 8/16 |
| | 27 | Brake type | | Electronic brake / electromagnetic brake |
| Motor / Battery | 28 | Rated power of driving motor | kw | 1.0 |
| | 29 | Rated power of lifting motor | kw | 0.8 |
| | 30 | Battery | V/Ah | 48/32 |
| | 31 | Battery weight | kg | 36 |



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ATLAS EPT30Q PALLET TRUCK

# QET20M
# ELECTRIC PALLET TRUCK

Capacity 2000 KGS

Electric walkie pallet truck

Economic and practical

Drive by lithium battery


- Pin-code handle (For option)


### Tandem load roller

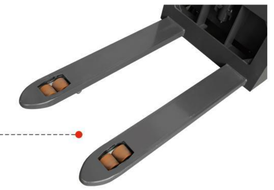
Guarantees for maximum stability and safety

### Emergency button

Located where you can easily reach and control, assuring safety for people and vehicle.


### Solid metal leg

The legs are made of solid flat iron for higher load-bearing strength.



## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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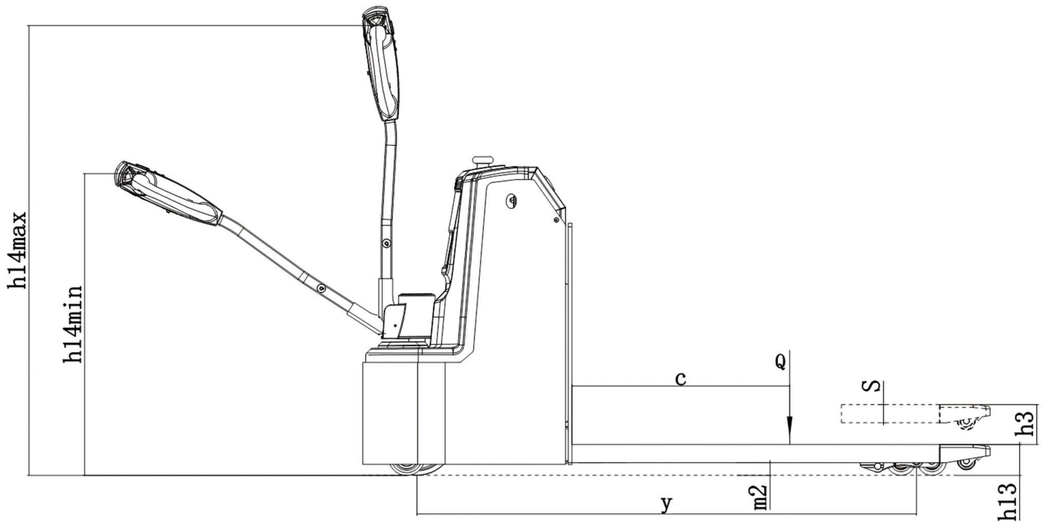
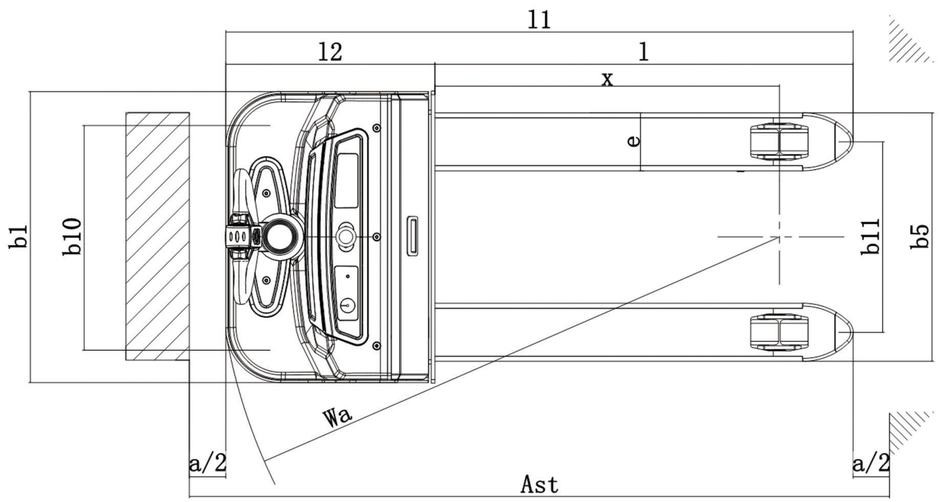
QSLIFT
PALLET TRUCK QET20M

# SPECIFICATION

## Technical Specification




QSLIFT
QET20M PALLET TRUCK

# QET20M

## Technical Specification

| | | Manufacturer's type designation | | QET20M | |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power(battery,diesel,petrol gas,manual) | | Battery | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load capacity / Rated load | Q(t) | 2.0 | |
| | 1.6 | Load centre distance | C (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 946 | |
| | 1.9 | Wheelbase | Y (mm) | 1375 | |
| Weight | 2.1 | Service weight | kg | 360 | |
| | 2.2 | Axle loading, laden front/rear | kg | \ | |
| | 2.3 | Axle loading, unladen front/rear | kg | 168/86.5 | |
| Tires, chassis | 3.1 | Tires | | PU | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×75 | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ100×40 | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+2/4 | |
| | 3.6 | Tread, front | $b_{10}$ (mm) | 588 | |
| | 3.7 | Tread, rear | $b_{11}$ (mm) | 400 | 525 |
| Dimensions | 4.4 | Lift height | $h_3$ (mm) | 110 | |
| | 4.9 | Height of tiller in drive position min. / max. | $h_{14}$ (mm) | 725/1218 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 85 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1730 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 575 | |
| | 4.21 | Overall width | $b_1$ (mm) | 802 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 50/160/1150 | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560 | 685 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 35 | |
| | 4.33 | Aisle width for pallets 1000 × 1200 crossways | Ast (mm) | 2350 | |
| | 4.34 | Aisle width for pallets 800 ×1200 lengthways | Ast (mm) | 2220 | |
| | 4.35 | Turning radius | Wa (mm) | 1548 | |
| Performance | 5.1 | Travel speed, laden/ unladen | km/h | 4.1/4.6 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.015/0.045 | |
| | 5.3 | Lowering speed, laden / unladen | m/s | 0.039/0.04 | |
| | 5.8 | Gradeability, laden/ unladen | % | 6/10 | |
| | 5.10 | Service brake | | Electromagnetic | |
| Motors | 6.1 | Drive motor rating S2 60min | kw | 0.9 | |
| | 6.2 | Lift motor rating at S3 10% | kw | 0.8 | |
| | 6.3 | Battery acc. to DIN 43531 /35 / 36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/80(100) | |
| Additional data | 6.5 | Battery weight (minimum) | kg | 25.5×4 | |
| | 6.6 | Energy consumption acc. to VDI cycle | KWh/h | \ | |
| | 8.1 | Type of drive control | | DC speed control | |
| | 8.4 | Sound level at driver`s ear acc. to EN 12053 | dB(A) | ≤70 | |



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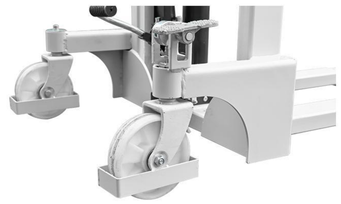
# MANUAL PALLET STACKER

Load capacity 1000 KGS / 1500 KGS 2000 KGS

Lift up to 1600 mm - 3000 mm

Therefore the truck is an ideal and economic choice suitable for first level stacking



## Advantages

It applies C ype steel structure design, lifting more stable and safe. All Manual stacker have been equipped with wheel frame protection device.

The handle have been surround with rubber. With lengtheningdesign , Using more comfortable.

Single mast series is with Two ways to unload by manual and pedalusing more flexible.

Fork with adjustable nut, it can easy to adjust the fork height.

Wheel frame equipped with grease fitting design, it will help doroutine maintenance for bearing.

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Single Frame Series**

| Model | | QMS1016 | QMS1516 | QMS2016 |
|---|---|---|---|---|
| Load capacity | kg | 1000 | 1500 | 2000 |
| Lifting height | mm | 1600 | 1600 | 1600 |
| Fork length | mm | 900/1000/1150 | 900/1000/1150 | 900/1000/1150 |
| Width overall forks | mm | 330-740/550 | 330-740/550 | 330-740/550 |
| Overall height | mm | 1980 | 2000 | 1990 |
| Min.fork height | mm | 85 | 85 | 85 |

**Double Frame Series**

| Model | | QMS1020 | QMS1025 | QMS1030 | QMS1520 | QMS1525 | QMS1530 |
|---|---|---|---|---|---|---|---|
| Load capacity | kg | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 |
| Lifting height | mm | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 |
| Fork length | mm | 900/1000/1150 | 900/1000/1150 | 900/1000/1150 | 900/1000/1150 | 900/1000/1150 | 900/1000/1150 |
| Width overall forks | mm | 330-740/550 | 330-740/550 | 330-740/550 | 330-740/550 | 330-740/550 | 330-740/550 |
| Overall height | mm | 1590 | 1840 | 2090 | 1590 | 1840 | 2090 |
| Min.fork height | mm | 85 | 85 | 85 | 85 | 85 | 85 |



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MANUAL PALLET STACKER

# SES10 / SES12 / SES15
# ELECTRIC SELF-LIFTING STACKER

Capacity 1000 KGS / 1200 KGS / 1500 KGS

SES10 / SES12 / SES15 Self-lifting truck and stacker are designed to facilitate freight loading. Operations are more efficient and loading is more easier.

Load capacity is 1 ton, 1.2 tons and 1.5 tons lifting height from 90 cm to 165 cm. The compact and lightweight design is suitable for various application scenarios.

- Pin-code handle (For option)


### Magnetic control

It can hold on the metal easily and not possible to lose.

### Emergency button

Located where you can easily reach and control, assuring safety for people and vehicle.

### Replaceable battery

Designed on side of the vehicle, which is easy to replace and charge easily.

### Solid metal leg

The legs are made of solid flat iron for higher load-bearing strength.

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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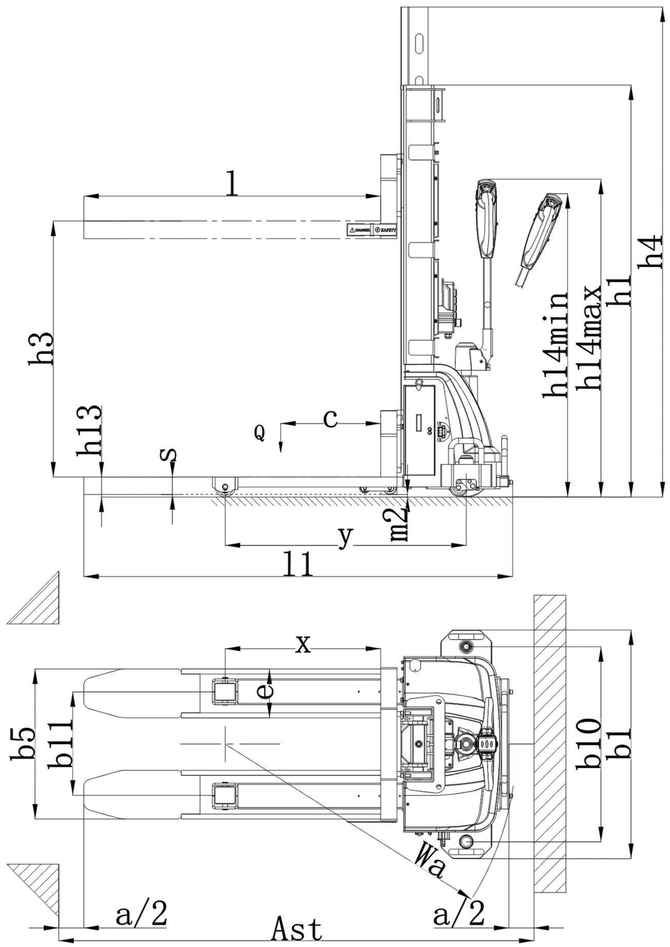
# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| SES | | | | | |
| Two stage mast | 1250 | – | 815 | 2080 | 900 |
| | 1450 | – | 1015 | 2480 | 1100 |
| | 1650 | – | 1215 | 2880 | 1300 |
| | 1850 | – | 1415 | 3280 | 1500 |
| | 2000 | – | 1565 | 3580 | 1650 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |








# SES10 / SES12 / SES15

## Technical Specification

| | | Manufacturer's type designation | | SES | | |
|---|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery | | |
| | 1.4 | Operator type | | Pedestrian | | |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.0 | 1.2 | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 400 | | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 622 | | |
| | 1.9 | Wheelbase | Y (mm) | 980 | | |
| Weight | 2.1 | Service weight | kg | 430 | | |
| | 2.2 | Axle loading, laden front/rear | kg | \ | | |
| | 2.3 | Axle loading, unladen front/rear | kg | \ | | |
| Tires, chassis | 3.1 | Tires | | PU | | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ190×70 | | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 | | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ75×35 | | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1X+2/2 | | |
| | 3.6 | Track, front | $b_{10}$ (mm) | 780 | | |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 417 | | |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1450 | | |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ | | |
| | 4.4 | Lift height | $h_3$ (mm) | 1015 | | |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2480 | | |
| | 4.6 | Initial lift | $h_5$ (mm) | 105 | | |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 740/1250 | | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 85 | | |
| | 4.19 | Overall length | $l_1$ (mm) | 1730 | | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 527 | | |
| | 4.21 | Overall width | $b_1$ (mm) | 920 | | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 70/195/1220 | | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/600 | | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 10 | | |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2089 | | |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2083 | | |
| | 4.35 | Turning radius | Wa (mm) | 1180 | | |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4.0/4.2 | | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.06/0.07 | | |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.1/0.09 | | |
| | 5.8 | Max. gradeability, laden/ unladen | % | \ | | |
| | 5.10 | Service brake | | Electromagnetic | | |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.85 | | |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 | | |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ | | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 48/25(48/30) | | 48/30 |
| | 6.5 | B Battery weight +/-5% | kg | 30 | | |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ | | |
| Additional data | 8.1 | Type of drive control | | DC speed control | | |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | ⩽70 | | |

Note: For other specification parameters, please refer to the attached table

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# QSS15
# SEMI-ELECTRIC STACKER

Load capacity 1500 KGS

Lift up to 1600 mm - 3500 mm

The best choice for short distance transportation

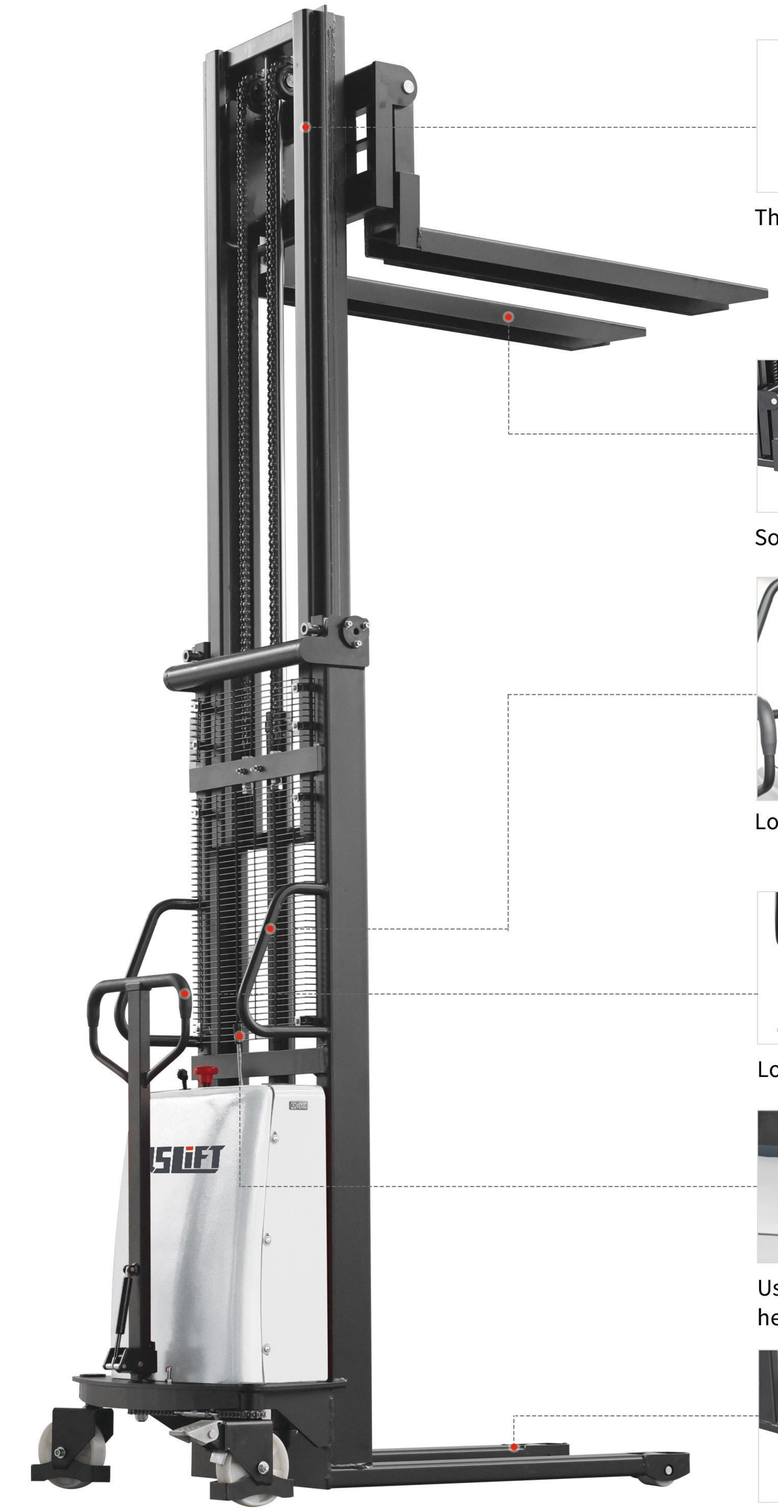
## Main Feature

**Variety battery capacity available**

By pairing battery volums and its chargers to match various work time demands.

**Security and stability**

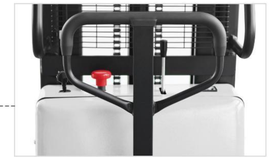
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.



Thickened mast frame

Solid metal fork

Long armrest



Long handle

Use handle to control fork height electrically

Solid metal leg



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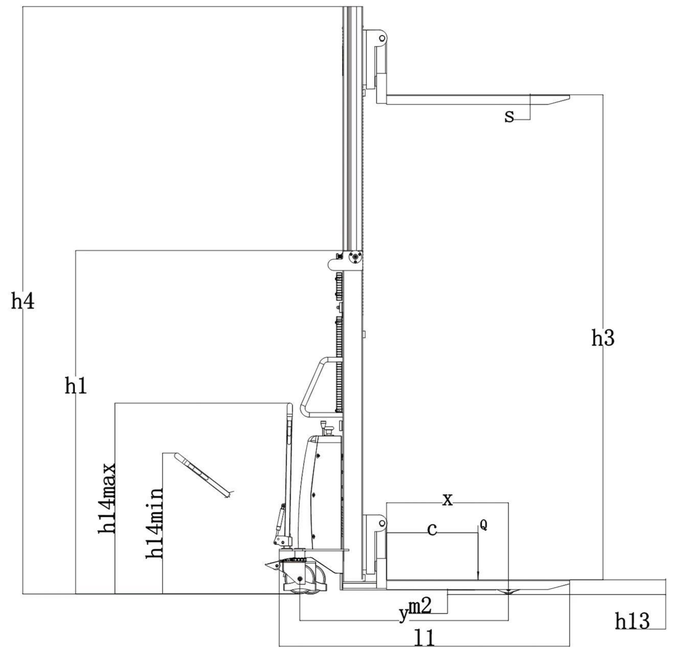
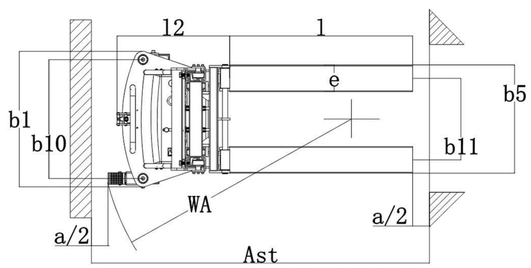
ELECTRIC STACKER QSS15

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| | | | QSS15 | | |
| Two stage mast | 2060 | – | 1515 | 2065 | 1600 |
| | 1560 | – | 1915 | 2528 | 2000 |
| | 1810 | – | 2415 | 3028 | 2500 |
| | 2060 | – | 2915 | 3528 | 3000 |
| | 2310 | – | 3415 | 4028 | 3500 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |




# QSS15

## Technical Specification

| | | Manufacturer's type designation | | QSS15(Type 550) | QSS15(Type 650) |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | \ | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 | |
| | 1.6 | Load centre distance | C (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 730 | |
| | 1.9 | Wheelbase | Y (mm) | 1253 | |
| Weight | 2.1 | Service weight | kg | 377 | |
| | 2.2 | Axle loading, laden front/rear | kg | \ | |
| | 2.3 | Axle loading, unladen front/rear | kg | \ | |
| Tires, chassis | 3.1 | Tires | | Nylon | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ180×50 | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ180×50 | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 0x+2/2 | |
| | 3.6 | Track, front | $b_{10}$ (mm) | 714 | |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 390 | 490 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1560 | |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ | |
| | 4.4 | Lift height | $h_3$ (mm) | 1915 | |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2528 | |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 700/1215 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 85 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1795 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 676 | |
| | 4.21 | Overall width | $b_1$ (mm) | 820 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 60/160/1150 | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 330~550 | 330~650 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 | |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2371 | |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2330 | |
| | 4.35 | Turning radius | Wa (mm) | 1513 | |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | \ | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.07/0.1 | |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.11/0.09 | |
| | 5.8 | Max. gradeability, laden/ unladen | % | \ | |
| | 5.10 | Service brake | | Mechanical braking | |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | \ | |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 1.6 | |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 12/120 | |
| | 6.5 | B Battery weight +/-5% | kg | 34 | |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ | |
| Additional data | 8.1 | Type of drive control | | \ | |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 | |

Note: For other specification parameters, please refer to the attached table



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ELECTRIC STACKER QSS15

# QSS15-SL
# SEMI-ELECTRIC WALKIE PALLET STACKER (STRADDLE LEG)

Load capacity 1500 KGS

Lift up to 1600 mm - 3500 mm

The best choice for short distance transportation

## Main Feature

**Variety battery capacity available**

By pairing battery volums and its chargers to match various work time demands.

**Security and stability**

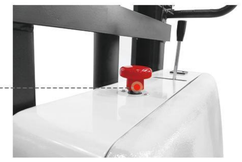
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Thickened mast frame**

The mast is equipped with precision steel side wheel guide.

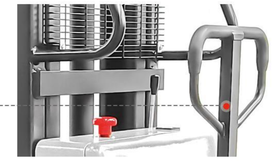
**Emergency button**

Located where you can easily reach and control, assuring safety for people and vehicle.



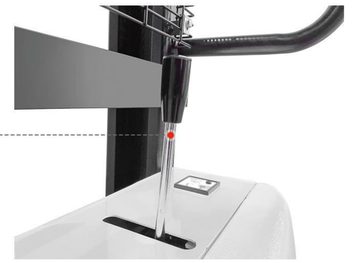
**Long handle**

mechanical steering, ergonomic, flexible handling.



**Solid metal leg**

Steady chassis
Ajustable leg

Use handle to control fork height electrically



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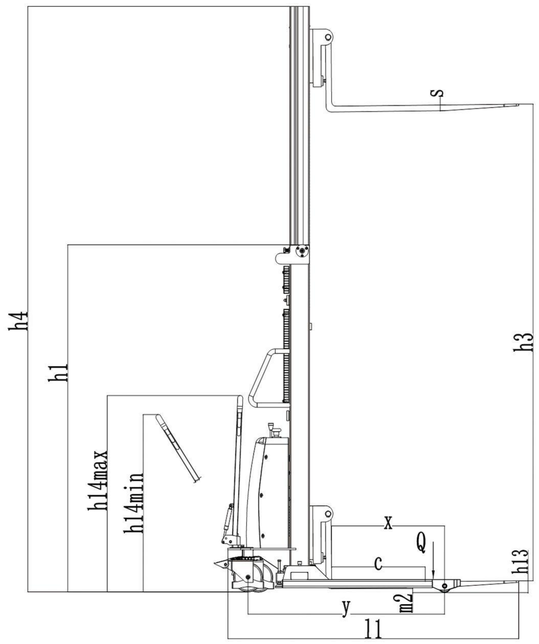
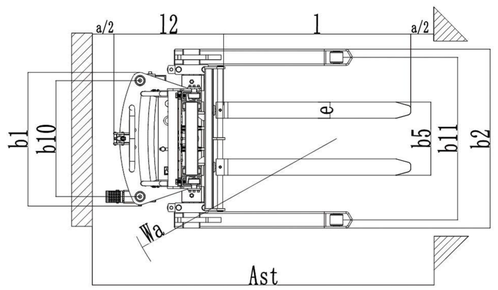
ELECTRIC STACKER QSS15-SL

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| | | | QSS15-SL | | |
| Single stage mast | 2135 | – | 1540 | 2135 | 1600 |
| Two stage mast | 1635 | – | 1940 | 2605 | 2000 |
| | 1885 | – | 2440 | 3105 | 2500 |
| | 2135 | – | 2940 | 3605 | 3000 |
| | 2385 | – | 3440 | 4105 | 3500 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |




# QSS15-SL

## Technical Specification

| | | Manufacturer's type designation | | QSS15-SL |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | \ |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 600 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 693 |
| | 1.9 | Wheelbase | Y (mm) | 1209 |
| Weight | 2.1 | Service weight | kg | 497 |
| | 2.2 | Axle loading, laden front/rear | kg | \ |
| | 2.3 | Axle loading, unladen front/rear | kg | \ |
| Tires, chassis | 3.1 | Tires | | Nylon |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ180×50 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 0x+2/2 |
| | 3.6 | Track, front | $b_{10}$ (mm) | 714 |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 1020~1420 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1635 |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ |
| | 4.4 | Lift height | $h_3$ (mm) | 1940 |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2605 |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 700/1215 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 60 |
| | 4.19 | Overall length | $l_1$ (mm) | 1875 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 633 |
| | 4.21 | Overall width | b1/b2(mm) | 820/(1100-1500) |
| | 4.22 | Fork dimensions | s/e/l (mm) | 35/100/1150 |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 210~850 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 40 |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2243 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2215 |
| | 4.35 | Turning radius | Wa (mm) | 1369 |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | \ |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.07/0.1 |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.11/0.09 |
| | 5.8 | Max. gradeability, laden/ unladen | % | \ |
| | 5.10 | Service brake | | Mechanical braking |
| Electric-engine | 6.1 | Drive motor rating S2 60min | kw | \ |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 1.6 |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 12/120 |
| | 6.5 | B Battery weight +/-5% | kg | 34 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ |
| Additional data | 8.1 | Type of drive control | | \ |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 |

Note: For other specification parameters, please refer to the attached table



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QSS15-SL ELECTRIC STACKER

# QES15D
# DOUBLE-LIFT ELECTRIC PALLET STACKER

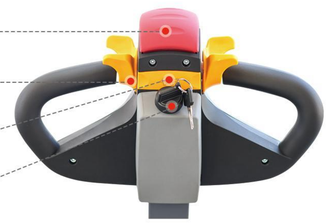
Capacity 1500 KGS

Double-lifting design

Suitable for small space work

Compact design and economic

Short turning radius




PU tandem wheel

Stable and Durable

## Solid metal fork

One-piece punching and forming, reinforced steel plate of fork roots, which can enhance the fork's rigidity and load-bearing capacity.

## Long handle

mechanical steering, ergonomic, flexible handling.

## Thickened mast frame

The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.


## Main Feature

**High strength chassis design**

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**

By pairing battery volums and its chargers to match various work time demands.

**Security and stability**

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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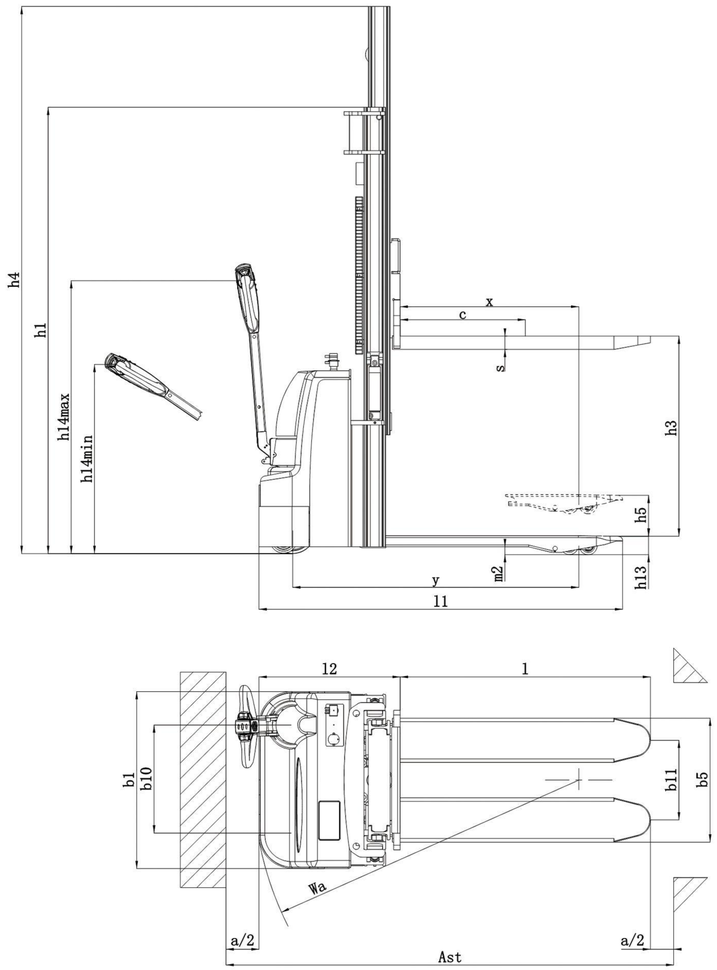
QES15D ELECTRIC STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| QES15D | | | | | |
| Two stage mast | 1765 | – | 2410 | 2990 | 2500 |
| | 2015 | – | 2910 | 3490 | 3000 |
| | 2165 | – | 3210 | 3790 | 3300 |
| | 2265 | – | 3410 | 3990 | 3500 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |








# QES15D

## Technical Specification

| | | Manufacturer's type designation | | QES15D |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 500 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 810 |
| | 1.9 | Wheelbase | Y (mm) | 1295 |
| Weight | 2.1 | Service weight | kg | 647 |
| | 2.2 | Axle loading, laden front/rear | kg | 828/1326 |
| | 2.3 | Axle loading, unladen front/rear | kg | 450/194 |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×70 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ150×50 |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+1/4 |
| | 3.6 | Track, front | $b_{10}$ (mm) | 540 |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 360 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 2015 |
| | 4.3 | Free Lift height | $h_2$ (mm) | / |
| | 4.4 | Lift height | $h_3$ (mm) | 2910 |
| | 4.5 | Extended mast height | $h_4$ (mm) | 3490 |
| | 4.6 | Initial lift | $h_5$ (mm) | 105 |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 690/1300 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 90/80 |
| | 4.19 | Overall length | $l_1$ (mm) | 1790 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 640 |
| | 4.21 | Overall width | $b_1$ (mm) | 800/ |
| | 4.22 | Fork dimensions | s/e/l (mm) | 60/200/1150 |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2230 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2305 |
| | 4.35 | Turning radius | Wa (mm) | 1600 |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4/4.5 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.09/0.1 |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.1/0.09 |
| | 5.8 | Max. gradeability, laden/ unladen | % | 3/7 |
| | 5.10 | Service brake | | Electromagnetic |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.75 |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | / |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/80（100） |
| | 6.5 | B Battery weight +/-5% | kg | 2×25 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | / |
| Additional data | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 |

Note: For other specification parameters, please refer to the attached table



QIANGSHENG MACHINERY DOO
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ADD: STEVE JOVANOVIĆA 57, 11272, DOBANOVCI, Serbia

# QES10E / QES12E ELECTRIC WALKIE STACKER

Light-duty walkie power stacker
Capacity 1000 KGS / 1200 KGS
Lift up to 1600 mm - 3500 mm

Compact design and economic
Short turning radius

Suitable for small space work

### Emergency button

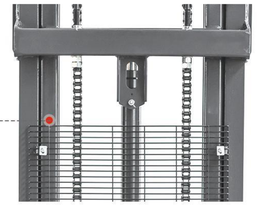
Located where you can easily reach and control, assuring safety for people and vehicle.

### Long handle

mechanical steering, ergonomic, flexible handling.

### Thickened mast frame

The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.



- Pin-code handle (For option)



## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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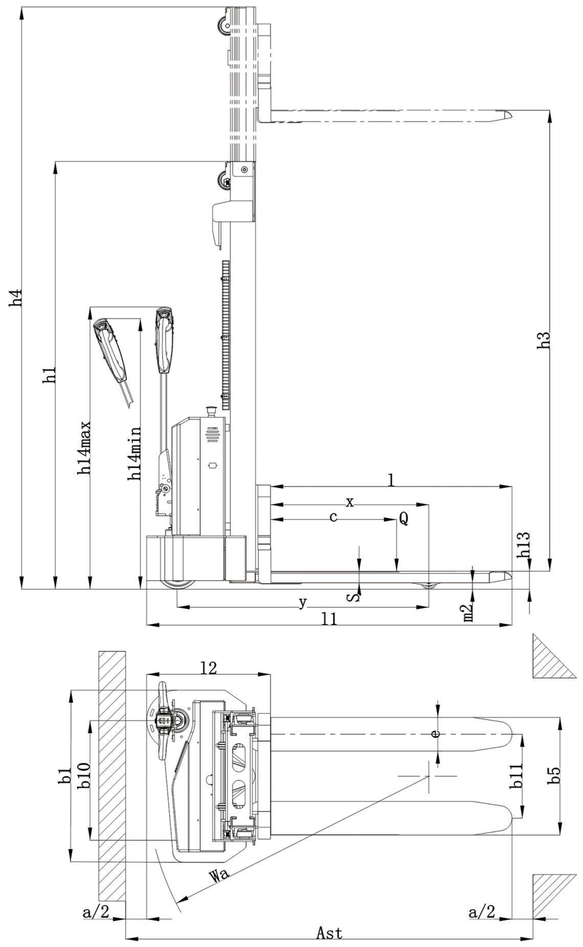
QS10E / QES12E ELECTRIC STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| QES Economic-type pallet stacking car | | | | | |
| Single stage mast | 2010 | – | 1510 | 2010 | 1600 |
| Two stage mast | 1530 | – | 1910 | 2490 | 2000 |
| | 1780 | – | 2410 | 2990 | 2500 |
| | 2030 | – | 2910 | 3490 | 3000 |
| | 2180 | – | 3210 | 3790 | 3300 |
| Two stage mast FFL (Full-Free-Lift) | 2280 | – | 3410 | 3990 | 3500 |
| | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |






# QES10E / QES12E

## Technical Specification

| | | Manufacturer's type designation | | QES10E | QES12E |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | \ | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.0 | 1.2 |
| | 1.6 | Load centre distance | C (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 754 | |
| | 1.9 | Wheelbase | Y (mm) | 1231 | |
| Weight | 2.1 | Service weight | kg | 430 | |
| | 2.2 | Axle loading, laden front/rear | kg | \ | |
| | 2.3 | Axle loading, unladen front/rear | kg | \ | |
| Tires, chassis | 3.1 | Tires | | PU | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×70 | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ150×50 | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+1/2 | |
| | 3.6 | Track, front | $b_{10}$ (mm) | 570 | |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 400/520 | |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1530 | |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ | |
| | 4.4 | Lift height | $h_3$ (mm) | 1910 | |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2490 | |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 780/1280 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 90 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1750 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 590 | |
| | 4.21 | Overall width | $b_1$(mm) | 820 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 55/160/1125（1150） | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/680 | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 | |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2288 | |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2239 | |
| | 4.35 | Turning radius | Wa (mm) | 1440 | |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4/4.5 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.08/0.12 | |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.12/0.1 | |
| | 5.8 | Max. gradeability, laden/ unladen | % | 5/8 | |
| | 5.10 | Service brake | | Electromagnetic | |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.75 | |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 | |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/70(100) | |
| | 6.5 | B Battery weight +/-5% | kg | 2×25 | |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ | |
| Additional data | 8.1 | Type of drive control | | DC speed control | |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 | |

Note: For other specification parameters, please refer to the attached table



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ADD: STEVE JOVANOVIĆA 57, 11272, DOBANOVCI, Serbia

## QES10E-SL / QES12E-SL

# ELECTRIC WALKIE STACKER (STRADDLE LEG)

Light-duty walkie power stacker
Capacity 1000 KGS / 1200 KGS
Lift up to 1600 mm - 3500 mm

Compact design and economic
Short turning radius

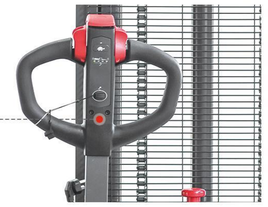
Suitable for small space work

### Emergency button

Located where you can easily reach and control, assuring safety for people and vehicle.

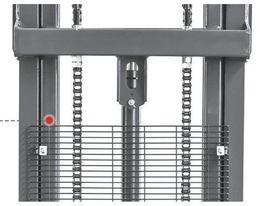
### Long handle

mechanical steering, ergonomic, flexible handling.



### Thickened mast frame

The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.



- Pin-code handle (For option)


## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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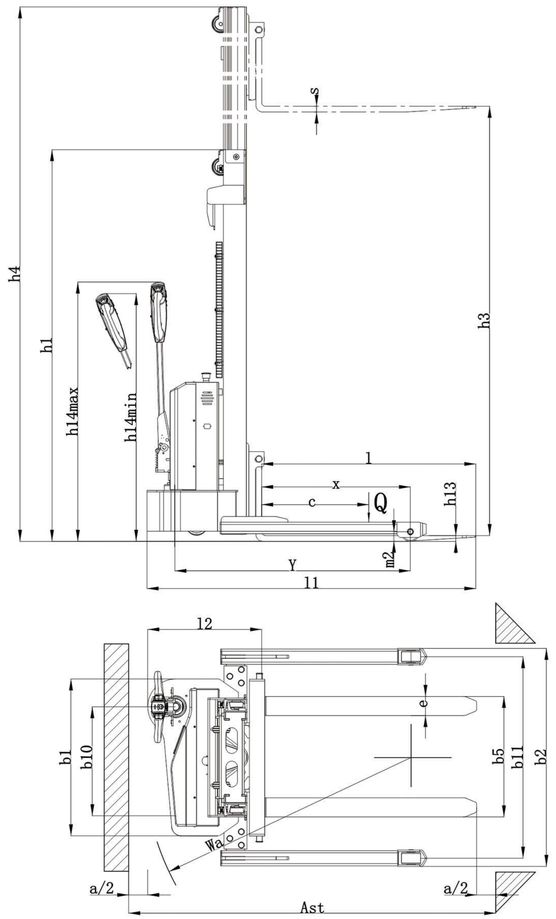
# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| | | | QES-SL | | |
| Single stage mast | 2010 | – | 1510 | 2010 | 1600 |
| Two stage mast | 1530 | – | 1910 | 2490 | 2000 |
| | 1780 | – | 2410 | 2990 | 2500 |
| | 2030 | – | 2910 | 3490 | 3000 |
| | 2180 | – | 3210 | 3790 | 3300 |
| Two stage mast FFL (Full-Free-Lift) | 2280 | – | 3410 | 3990 | 3500 |
| | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |






# QES-SL

## Technical Specification

| | | Manufacturer's type designation | | QES-SL | |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.0 | 1.2 |
| | 1.6 | Load centre distance | C (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 754 | |
| | 1.9 | Wheelbase | Y (mm) | 1210 | |
| Weight | 2.1 | Service weight | kg | 520 | |
| | 2.2 | Axle loading, laden front/rear | kg | \ | |
| | 2.3 | Axle loading, unladen front/rear | kg | \ | |
| Tires, chassis | 3.1 | Tires | | PU | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×70 | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ150×50 | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+1/2 | |
| | 3.6 | Track, front | $b_{10}$ (mm) | 570 | |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 1055~1335 | |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1530 | |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ | |
| | 4.4 | Lift height | $h_3$ (mm) | 1910 | |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2490 | |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 780/1280 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 70 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1750 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 590 | |
| | 4.21 | Overall width | $b_1$(mm) | 820 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 30/100/1070 | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 210~800 | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 | |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2288 | |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2239 | |
| | 4.35 | Turning radius | Wa (mm) | 1440 | |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4/4.5 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.08/0.12 | |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.12/0.1 | |
| | 5.8 | Max. gradeability, laden/ unladen | % | 5/8 | |
| | 5.10 | Service brake | | Electromagnetic | |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.75 | |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 | |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/70(100) | |
| | 6.5 | B Battery weight +/-5% | kg | 200/250 | |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ | |
| Additional data | 8.1 | Type of drive control | | DC speed control | |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 | |

Note: For other specification parameters, please refer to the attached table

QIANGSHENG MACHINERY DOO
Email: info@QSLift.EU
ADD: STEVE JOVANOVIĆA 57, 11272, DOBANOVCI, Serbia

# QES15E
# ELECTRIC PALLET STACKER

Capacity 1500 KGS
Drive by lithium battery
Designed with long handle
Lift up to 1510 mm - 3910 mm
Compact design
Short turning radius
Suitable for small warehouse operations


- Pin-code handle (For option)


## Reinforced chain

Using the national standard GB1244 plate chain instead of the traditional roller chain, much safer for lifting.

## Emergency button

Located where you can easily reach and control, assuring safety for people and vehicle.

## Thickened mast frame

The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.

## Solid metal leg

The legs are made of solid flat iron for higher load-bearing strength.

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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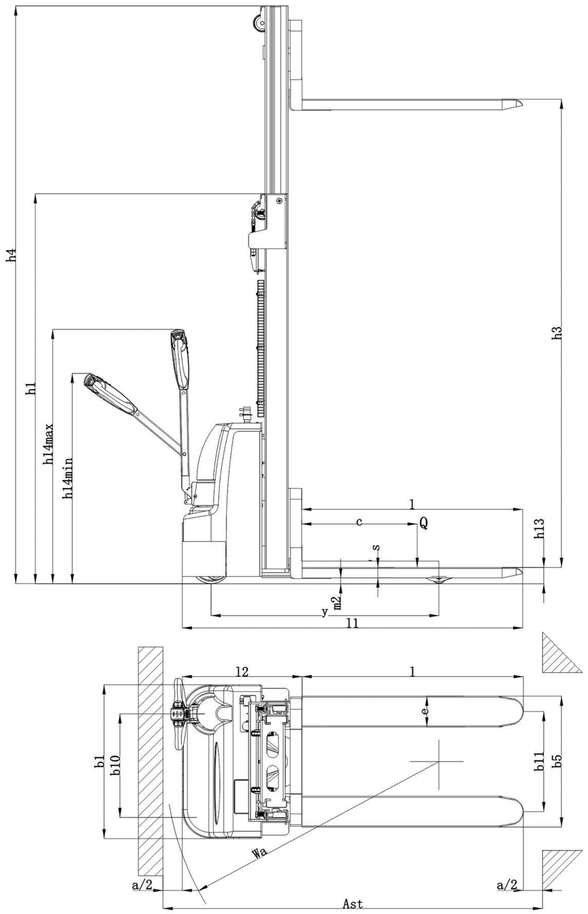
QS LIFT
QES15E ELECTRIC STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| | | | QES15E | | |
| Single stage mast | 2080 | – | 1510 | 2080 | 1600 |
| Two stage mast | 1530 | – | 1910 | 2490 | 2000 |
| | 1780 | – | 2410 | 2990 | 2500 |
| | 2030 | – | 2910 | 3490 | 3000 |
| | 2180 | – | 3210 | 3790 | 3300 |
| | 2280 | – | 3410 | 3990 | 3500 |
| | 2530 | – | 3910 | 4490 | 4000 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |






# QES15E

## Technical Specification

| | | Manufacturer's type designation | | QES15E |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 600 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 715 |
| | 1.9 | Wheelbase | Y (mm) | 1190 |
| Weight | 2.1 | Service weight | kg | 500 |
| | 2.2 | Axle loading, laden front/rear | kg | 620/1380 |
| | 2.3 | Axle loading, unladen front/rear | kg | 370/130 |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×70 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ150×50 |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+1/4 |
| | 3.6 | Track, front | $b_{10}$ (mm) | 540 |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 400/520 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1530 |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ |
| | 4.4 | Lift height | $h_3$ (mm) | 1910 |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2490 |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 690/1300 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 90 |
| | 4.19 | Overall length | $l_1$ (mm) | 1780 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 630 |
| | 4.21 | Overall width | $b_1$ (mm) | 800 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 55/160/1070（1150） |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/685 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2564 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2529 |
| | 4.35 | Turning radius | Wa (mm) | 1700 |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4/4.5 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.06/0.11 |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.09/0.06 |
| | 5.8 | Max. gradeability, laden/ unladen | % | 3/7 |
| | 5.10 | Service brake | | Electromagnetic |
| Electric-engine | 6.1 | Drive motor rating S2 60min | kw | 0.75 |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | / |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/80（100） |
| | 6.5 | B Battery weight +/-5% | kg | 2×25 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | / |
| Additional data | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 |

Note: For other specification parameters, please refer to the attached table



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# QES15E-SL
# ELECTRIC PALLET STACKER WITH STRADDLE LEG

Capacity 1500 KGS
Drive by lead acid battery
Lithium battery for option
Lift up to 1600 mm - 3500 mm
More stable
Strong balancing capacity

### Reinforced chain
Using the national standard GB1244 plate chain instead of the traditional roller chain, much safer for lifting.

### Emergency button
Located where you can easily reach and control, assuring safety for people and vehicle.

### Thickened mast frame
The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.

### Solid metal leg
The legs are made of solid flat iron for higher load-bearing strength.

- Pin-code handle (For option)

Drive control
Turtle speed
Battery indicator
Magnetic movable key

Emergency reverse
Horn
Lifting & lowering

## Main Feature

### High strength chassis design
The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available
By pairing battery volums and its chargers to match various work time demands.

### Security and stability
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system
Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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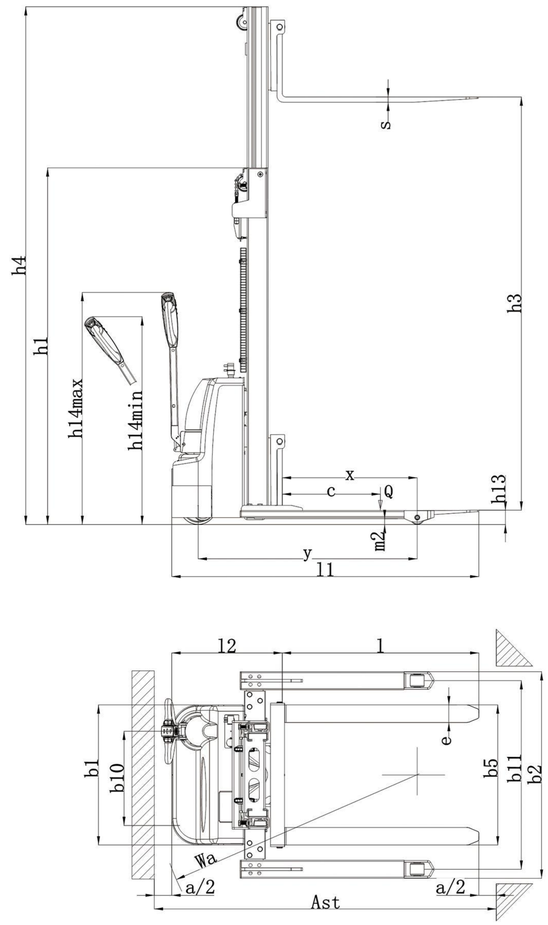
QS LIFT
QES15E-SL ELECTRIC STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| QES Economic-type pallet stacking car | | | | | |
| Single stage mast | 2010 | – | 1510 | 2010 | 1600 |
| Two stage mast | 1530 | – | 1910 | 2490 | 2000 |
| | 1780 | – | 2410 | 2990 | 2500 |
| | 2030 | – | 2910 | 3490 | 3000 |
| | 2180 | – | 3210 | 3790 | 3300 |
| Two stage mast FFL (Full-Free-Lift) | 2280 | – | 3410 | 3990 | 3500 |
| | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |









# QES15E-SL

## Technical Specification

| | | Manufacturer's type designation | | QES-E-SL | |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.2 | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 500 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 770 | |
| | 1.9 | Wheelbase | Y (mm) | 1250 | |
| Weight | 2.1 | Service weight | kg | 520 | |
| | 2.2 | Axle loading, laden front/rear | kg | \ | |
| | 2.3 | Axle loading, unladen front/rear | kg | \ | |
| Tires, chassis | 3.1 | Tires | | PU | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×70 | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ150×50 | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+1/4 | |
| | 3.6 | Track, front | $b_{10}$ (mm) | 540 | |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 1090/1230/1370 | |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1530 | |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ | |
| | 4.4 | Lift height | $h_3$ (mm) | 1910 | |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2490 | |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 780/1315 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 90 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1750 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 680 | |
| | 4.21 | Overall width | $b_1/b_2$(mm) | 800/(1190/1330/1470) | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 35/100/1070 | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 210~800 | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 | |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2358 | |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2302 | |
| | 4.35 | Turning radius | Wa (mm) | 1515 | |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4/4.5 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.06/0.11 | |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.09/0.06 | |
| | 5.8 | Max. gradeability, laden/ unladen | % | 3/7 | |
| | 5.10 | Service brake | | Electromagnetic | |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.75 | |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 | |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/80(100) | |
| | 6.5 | B Battery weight +/-5% | kg | 2×25 | |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ | |
| Additional data | 8.1 | Type of drive control | | DC speed control | |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 | |

Note: For other specification parameters, please refer to the attached table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# QES15E-PV
# ELECTRIC WALKIE PALLET STACKER

Drive by lithium battery

Capacity 1500 KGS

Lift up to 1600 mm - 3500 mm

Lift with proportional valve

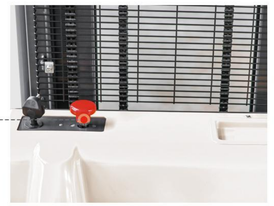
Long handle mechanical steering

### Reinforced chain

Using the national standard GB1244 plate chain instead of the traditional roller chain, much safer for lifting.

### Emergency button

Located where you can easily reach and control, assuring safety for people and vehicle.



### Solid metal leg

The legs are made of solid flat iron for higher load-bearing strength.

### Large handle

Lift up & down
With proportional valve control
(For option)



## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available

By pairing battery volums and its chargers to match various work time demands.

### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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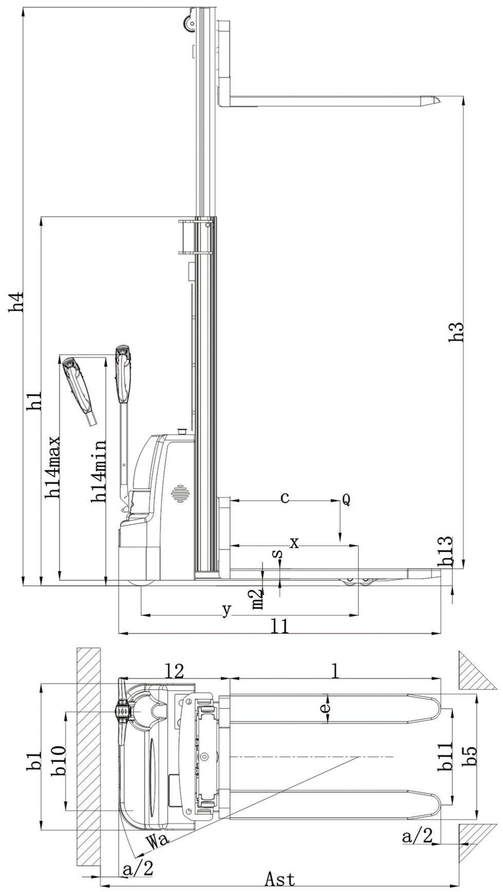
QS15E-PV ELECTRIC STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| | | | QES15E-PV | | |
| Single stage mast | 2010 | – | 1510 | 2010 | 1600 |
| Two stage mast | 1530 | – | 2410 | 2990 | 2500 |
| | 2030 | – | 2910 | 3090 | 3000 |
| | 2180 | – | 3210 | 3790 | 3300 |
| | 2280 | – | 3410 | 3990 | 3500 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | 1675 | – | 3410 | 3990 | 3500 |
| | 1845 | – | 3910 | 4490 | 4000 |
| | 2015 | – | 4410 | 4990 | 4500 |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |






QS LIFT
QES15E-PV ELECTRIC STACKER

# QES15E-PV

## Technical Specification

| | | Manufacturer's type designation | | QES15E-PV |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 500 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 700 |
| | 1.9 | Wheelbase | Y (mm) | 1260 |
| Weight | 2.1 | Service weight | kg | 620 |
| | 2.2 | Axle loading, laden front/rear | kg | \ |
| | 2.3 | Axle loading, unladen front/rear | kg | \ |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×70 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ150×50 |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+1/4 |
| | 3.6 | Track, front | $b_{10}$ (mm) | 540 |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 530 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1675 |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ |
| | 4.4 | Lift height | $h_3$ (mm) | 3410 |
| | 4.5 | Extended mast height | $h_4$ (mm) | 3990 |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | \ |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 90 |
| | 4.19 | Overall length | $l_1$ (mm) | 1780 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 630 |
| | 4.21 | Overall width | $b_1$ (mm) | 800 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 55/160/1070（1150） |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/685 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2471 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2440 |
| | 4.35 | Turning radius | Wa (mm) | 1600 |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4/4.5 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0-0.09/0-0.1 |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0-0.1/0-0.09 |
| | 5.8 | Max. gradeability, laden/ unladen | % | 3/7 |
| | 5.10 | Service brake | | Electromagnetic |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.75 |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/80（100） |
| | 6.5 | B Battery weight +/-5% | kg | 2×25 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ |
| Additional data | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 |

Note: For other specification parameters, please refer to the attached table



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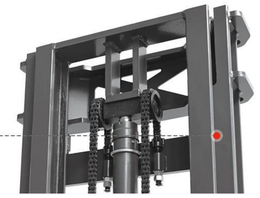
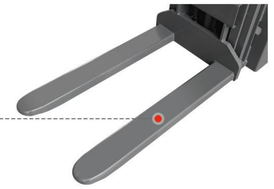
# QES20E
# ELECTRIC PALLET STACKER

Capacity 2000 KGS
Drive by lithium battery
Designed with long handle
Lift up to 1510 mm - 3910 mm
Compact design
Short turning radius
Suitable for small warehouse operations

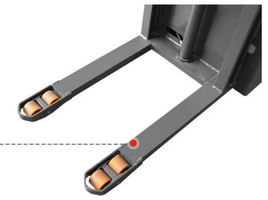
### Thickened mast frame
The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.

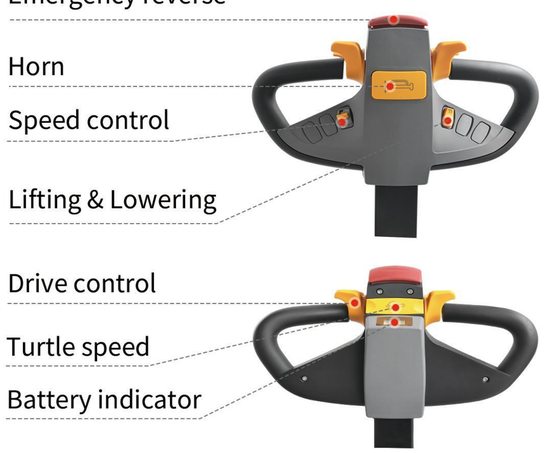


### Solid metal fork
One-piece punching and forming, reinforced steel plate of fork roots, which can enhance the fork's rigidity and load-bearing capacity.



### Solid metal leg
The legs are made of solid flat iron for higher load-bearing strength.






### Emergency button
Located where you can easily reach and control, assuring safety for people and vehicle.

## Main Feature

**High strength chassis design**
The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**
By pairing battery volums and its chargers to match various work time demands.

**Security and stability**
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**
Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.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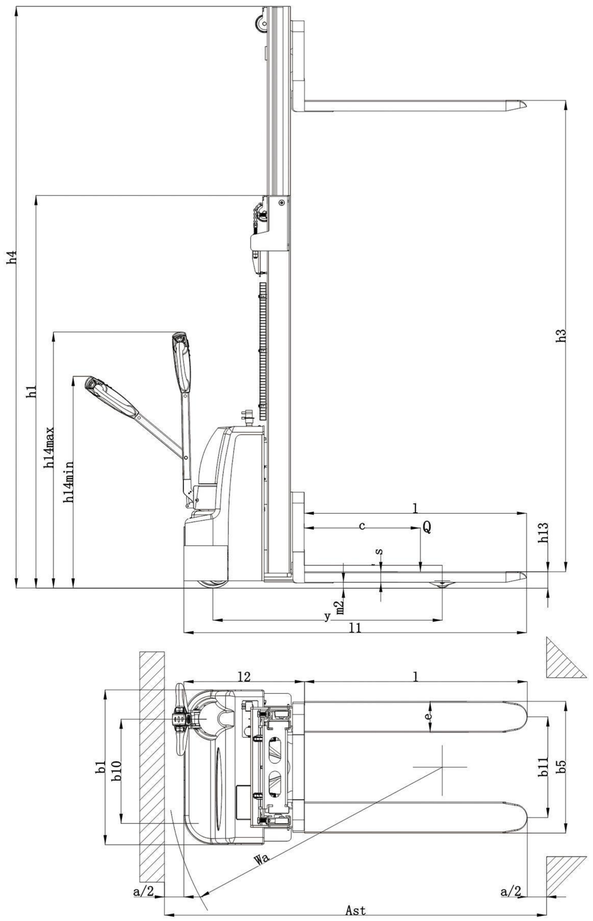
QS LIFT
QES20E ELECTRIC STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| QES15E | | | | | |
| Single stage mast | 2080 | – | 1510 | 2080 | 1600 |
| Two stage mast | 1530 | – | 1910 | 2490 | 2000 |
| | 1780 | – | 2410 | 2990 | 2500 |
| | 2030 | – | 2910 | 3490 | 3000 |
| | 2180 | – | 3210 | 3790 | 3300 |
| | 2280 | – | 3410 | 3990 | 3500 |
| | 2530 | – | 3910 | 4490 | 4000 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |






# QES20E

## Technical Specification

| | | Manufacturer's type designation | | QES20E |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 2.0 |
| | 1.6 | Load centre distance | C (mm) | 500 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 715 |
| | 1.9 | Wheelbase | Y (mm) | 1190 |
| Weight | 2.1 | Service weight | kg | 760 |
| | 2.2 | Axle loading, laden front/rear | kg | \ |
| | 2.3 | Axle loading, unladen front/rear | kg | \ |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ250×70 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ150×50 |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+1/4 |
| | 3.6 | Track, front | $b_{10}$ (mm) | 540 |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 400/520 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1530 |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ |
| | 4.4 | Lift height | $h_3$ (mm) | 1910 |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2490 |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 690/1300 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 90 |
| | 4.19 | Overall length | $l_1$ (mm) | 1780 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 630 |
| | 4.21 | Overall width | $b_1$ (mm) | 800 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 55/160/1070（1150） |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/685 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2564 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2529 |
| | 4.35 | Turning radius | Wa (mm) | 1700 |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4/4.5 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.08/0.1 |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.1/0.08 |
| | 5.8 | Max. gradeability, laden/ unladen | % | 3/5 |
| | 5.10 | Service brake | | Electromagnetic |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 1.5 |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | / |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/150 |
| | 6.5 | B Battery weight +/-5% | kg | 2×51 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | / |
| Additional data | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 |

Note: For other specification parameters, please refer to the attached table



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# QES15M
# ELECTRIC PALLET STACKER

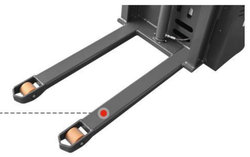
Capacity 1500 KGS
Drive by lead acid battery
Lithium battery for option
Lift up to 1910 mm - 3410 mm
More stable
Strong balancing capacity

### PU tandem wheel
The tandem wheels ensure the maximum stability and safety of cargo transportation.

### Emergency button
Located where you can easily reach and control, assuring safety for people and vehicle.

### Thickened mast frame
The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.

### Adjustable legs
Adapt to uneven ground and different sizes of goods.



- Pin-code handle (For option)


## Main Feature

### High strength chassis design
The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

### Variety battery capacity available
By pairing battery volums and its chargers to match various work time demands.

### Security and stability
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

### Intelligent control system
Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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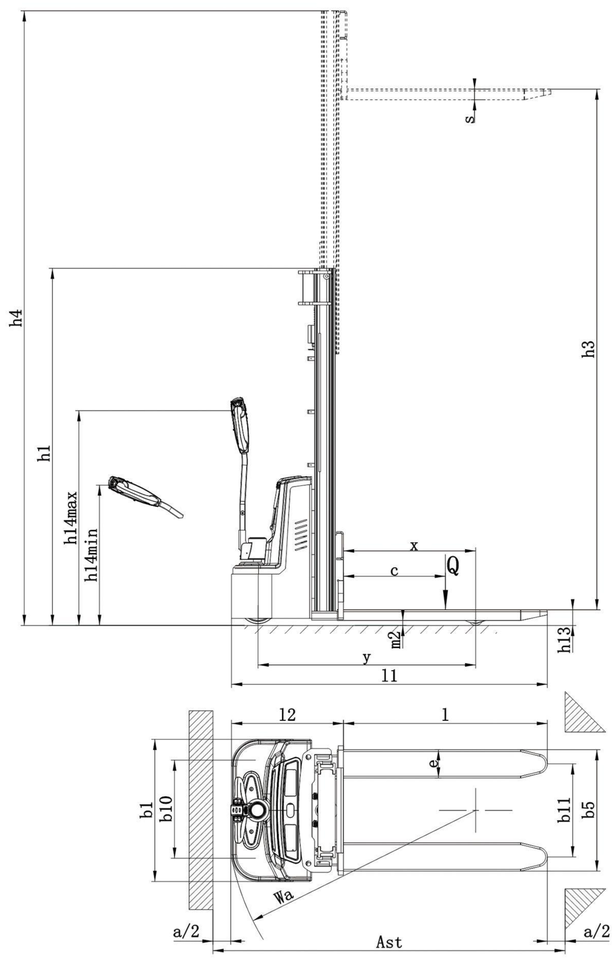
QS LIFT
QES15M PALLET STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| | | | QES15M | | |
| Single stage mast | – | – | – | – | 1600 |
| Two stage mast | 1768 | – | 1910 | 2743 | 2000 |
| | 2018 | – | 2410 | 3243 | 2500 |
| | 2268 | – | 2910 | 3743 | 3000 |
| | 2518 | – | 3410 | 4243 | 3500 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |




# QES15M

## Technical Specification

| | | Manufacturer's type designation | | QES15M |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 600 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 746 |
| | 1.9 | Wheelbase | Y (mm) | 1231 |
| Weight | 2.1 | Service weight | kg | 601 |
| | 2.2 | Axle loading, laden front/rear | kg | \ |
| | 2.3 | Axle loading, unladen front/rear | kg | \ |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×70 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ150×50 |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+1/4 |
| | 3.6 | Track, front | $b_{10}$ (mm) | 540 |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 405/525 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 2268 |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ |
| | 4.4 | Lift height | $h_3$ (mm) | 2910 |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2743 |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 715/1240 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 90 |
| | 4.19 | Overall length | $l_1$ (mm) | 1780 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 630 |
| | 4.21 | Overall width | $b_1$(mm) | 802 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 60/160/1150 |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/685 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2254 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2207 |
| | 4.35 | Turning radius | Wa (mm) | 1402 |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4.1/4.4 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.07/0.11 |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.09/0.11 |
| | 5.8 | Max. gradeability, laden/ unladen | % | 3/10 |
| | 5.10 | Service brake | | Electromagnetic |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.75 |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/85 |
| | 6.5 | B Battery weight +/-5% | kg | 26 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ |
| Additional data | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 |

Note: For other specification parameters, please refer to the attached table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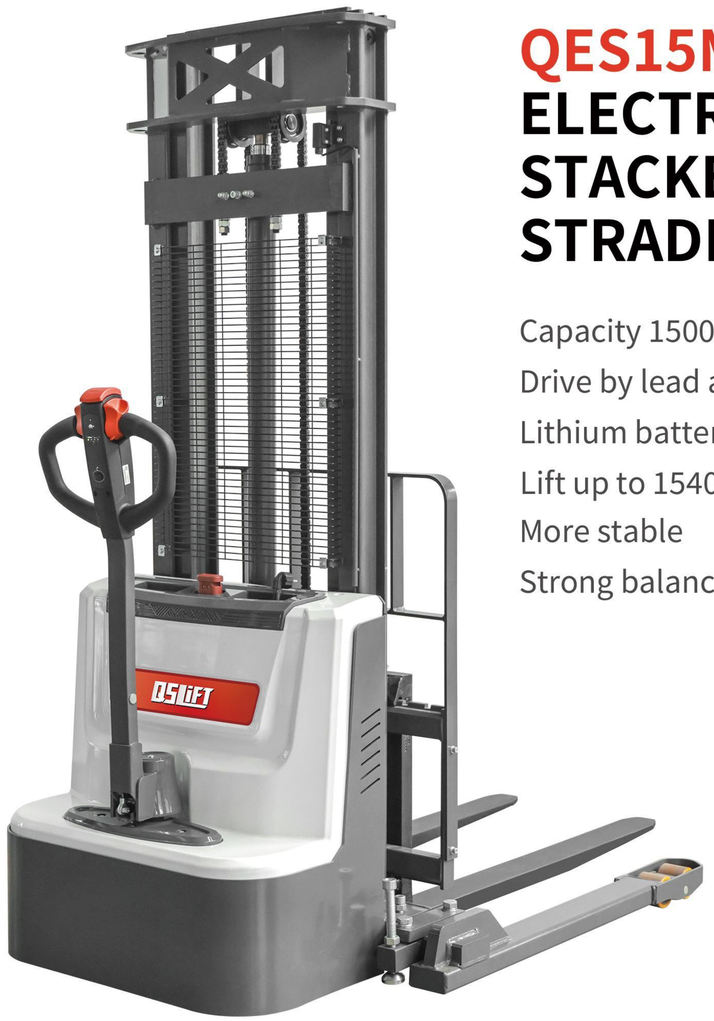

# QES15MSL
# ELECTRIC PALLET STACKER WITH STRADDLE LEG

Capacity 1500 KGS
Drive by lead acid battery
Lithium battery for option
Lift up to 1540 mm - 3455 mm
More stable
Strong balancing capacity

### PU tandem wheel
The tandem wheels ensure the maximum stability and safety of cargo transportation.

### Emergency button
Located where you can easily reach and control, assuring safety for people and vehicle.

### Thickened mast frame
The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.

### Adjustable legs
Adapt to uneven ground and different sizes of goods.

- Pin-code handle (For option)


## Main Feature

**High strength chassis design**
The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**
By pairing battery volums and its chargers to match various work time demands.

**Security and stability**
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**
Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.


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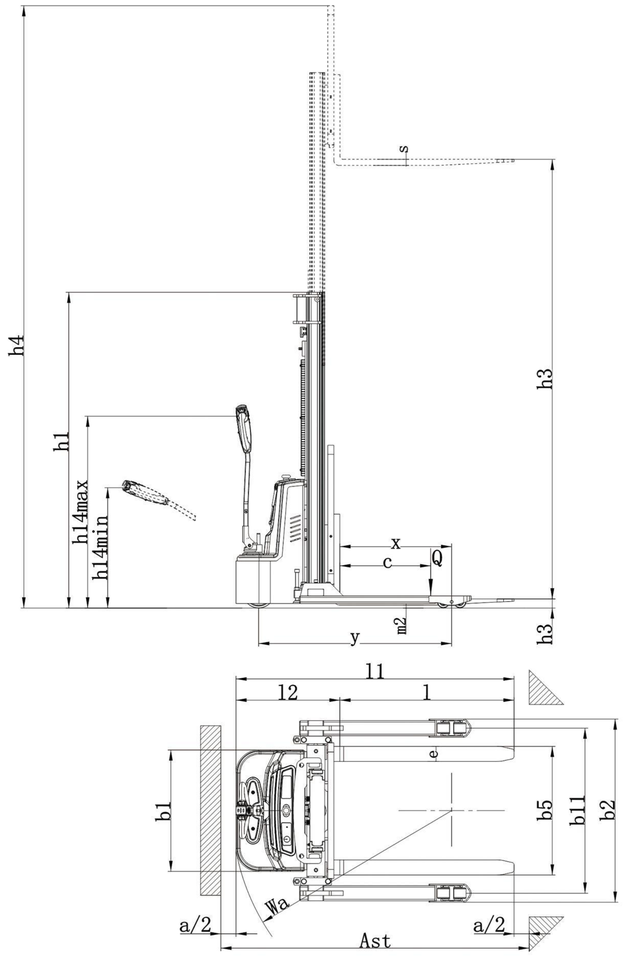
QS LIFT
QES15MSL PALLET STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| | | | QES15MSL | | |
| Two stage mast | 2135 | – | 1540 | 2135 | 1600 |
| | 1635 | – | 1955 | 2605 | 2000 |
| | 1885 | – | 2455 | 3105 | 2500 |
| | 2087 | – | 2955 | 4030 | 3000 |
| | 2385 | – | 3455 | 4105 | 3500 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |




# QES15MSL

## Technical Specification

| | | Manufacturer's type designation | | QES15MSL |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 600 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 738 |
| | 1.9 | Wheelbase | Y (mm) | 1275 |
| Weight | 2.1 | Service weight | kg | 765 |
| | 2.2 | Axle loading, laden front/rear | kg | \ |
| | 2.3 | Axle loading, unladen front/rear | kg | \ |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×75 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | \ |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x/4 |
| | 3.6 | Track, front | $b_{10}$ (mm) | \ |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 1090~1490 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 2087 |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ |
| | 4.4 | Lift height | $h_3$ (mm) | 2955 |
| | 4.5 | Extended mast height | $h_4$ (mm) | 4030 |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 725/1218 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 60 |
| | 4.19 | Overall length | $l_1$ (mm) | 1843 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 690 |
| | 4.21 | Overall width | $b_1/b_2$(mm) | 802/(1210-1610) |
| | 4.22 | Fork dimensions | s/e/l (mm) | 40/100/1150 |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 210~850 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 40 |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2303 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2259 |
| | 4.35 | Turning radius | Wa (mm) | 1448 |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4.2/4.6 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.07/0.11 |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.11/0.13 |
| | 5.8 | Max. gradeability, laden/ unladen | % | 6/8 |
| | 5.10 | Service brake | | Electromagnetic |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.75 |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/80(100) |
| | 6.5 | B Battery weight +/-5% | kg | 25.5/33.6 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ |
| Additional data | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 70 |

Note: For other specification parameters, please refer to the attached table



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QS LIFT
QES15MSL PALLET STACKER


# QES15E-P
# RIDER-CONTROL ELECTRIC PALLET STACKER

Capacity 1500 KGS

Lift up to 1600mm - 4000mm

Drive by lead-acid battery

### Foldable platform

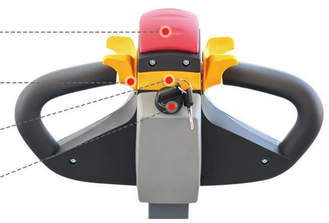
The operator can choose the operate type by walking or riding on flatform.


### Solid metal fork

One-piece punching and forming, reinforced steel plate of fork roots, which can enhance the fork's rigidity and load-bearing capacity.

### Thickened mast frame

The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.




### Emergency button

Located where you can easily reach and control, assuring safety for people and vehicle.

## Main Feature

**High strength chassis design**

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**

By pairing battery volums and its chargers to match various work time demands.

**Security and stability**

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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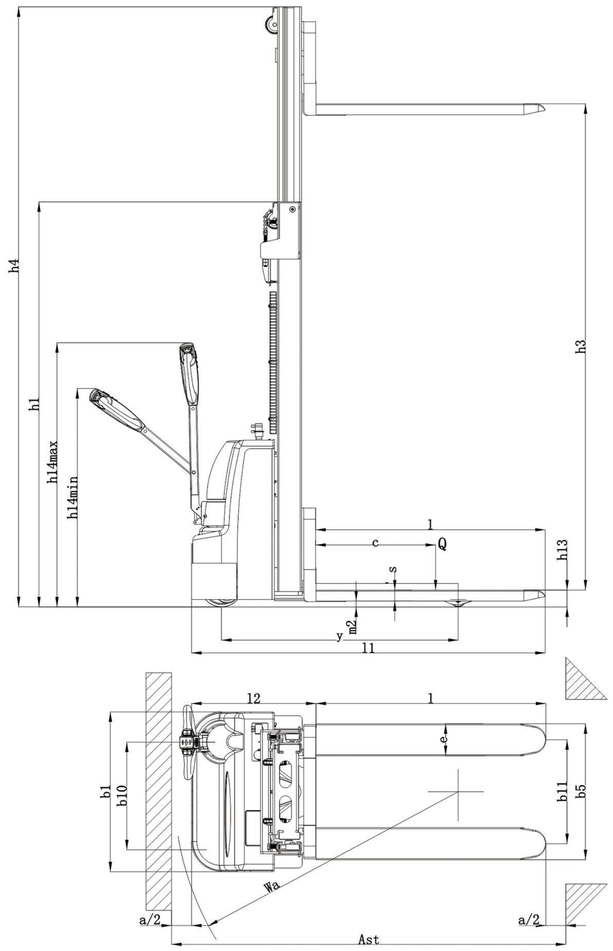
QS LIFT
QES15E-P ELECTRIC STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| QES15E-P | | | | | |
| Single stage mast | 2030 | – | 1510 | 2030 | 1600 |
| Two stage mast | 1780 | – | 2410 | 2960 | 2500 |
| | 2030 | – | 2910 | 3460 | 3000 |
| | 2280 | – | 3410 | 3960 | 3500 |
| | 2530 | – | 3910 | 4460 | 4000 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |






# QES15E-P

## Technical Specification

| | | Manufacturer's type designation | | QES15E-P |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery |
| | 1.4 | Operator type | | Rider-control |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.5 |
| | 1.6 | Load centre distance | C (mm) | 500 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 685 |
| | 1.9 | Wheelbase | Y (mm) | 1270 |
| Weight | 2.1 | Service weight | kg | 620 |
| | 2.2 | Axle loading, laden front/rear | kg | \ |
| | 2.3 | Axle loading, unladen front/rear | kg | \ |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×70 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ115×55 |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+1/2 |
| | 3.6 | Track, front | $b_{10}$ (mm) | 625 |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 400/520 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1780 |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ |
| | 4.4 | Lift height | $h_3$ (mm) | 2410 |
| | 4.5 | Extended mast height | $h_4$ (mm) | 2960 |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 1090/1430 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 90 |
| | 4.19 | Overall length | $l_1$ (mm) | 2030 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 880 |
| | 4.21 | Overall width | $b_1$ (mm) | 820 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 55/160/1150 \| 55/160/1220 |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 560/680 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2438 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2412 |
| | 4.35 | Turning radius | Wa (mm) | 1560 |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 4/4.5 |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.09/0.1 |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.1/0.09 |
| | 5.8 | Max. gradeability, laden/ unladen | % | 3/5 |
| | 5.10 | Service brake | | Electromagnetic |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.75 |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 24/80(100) |
| | 6.5 | B Battery weight +/-5% | kg | 2×25 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ |
| Additional data | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 |

Note: For other specification parameters, please refer to the attached table



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# QES16-P / QES20-P
# RIDER-CONTROL ELECTRIC PALLET STACKER

Capacity 1600 / 2000 KGS

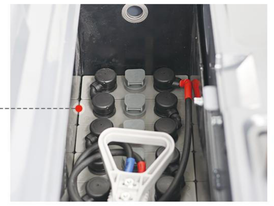
Up to 6 meters

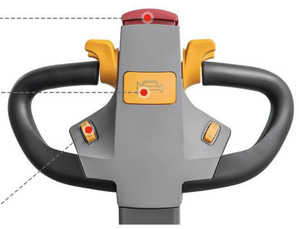
Drive by lead-acid battery

### Safety guardrail
Increase security and protect the safety of users

### Solid metal fork
One-piece punching and forming, reinforced steel plate of fork roots, which can enhance the fork's rigidity and load-bearing capacity.

### Lead-acid battery drive (Li-Ion Battery optional)
Short charging time, long service life







### Emergency button
Located where you can easily reach and control, assuring safety for people and vehicle.

## Main Feature

**High strength chassis design**

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**

By pairing battery volums and its chargers to match various work time demands.

**Security and stability**

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**

Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.



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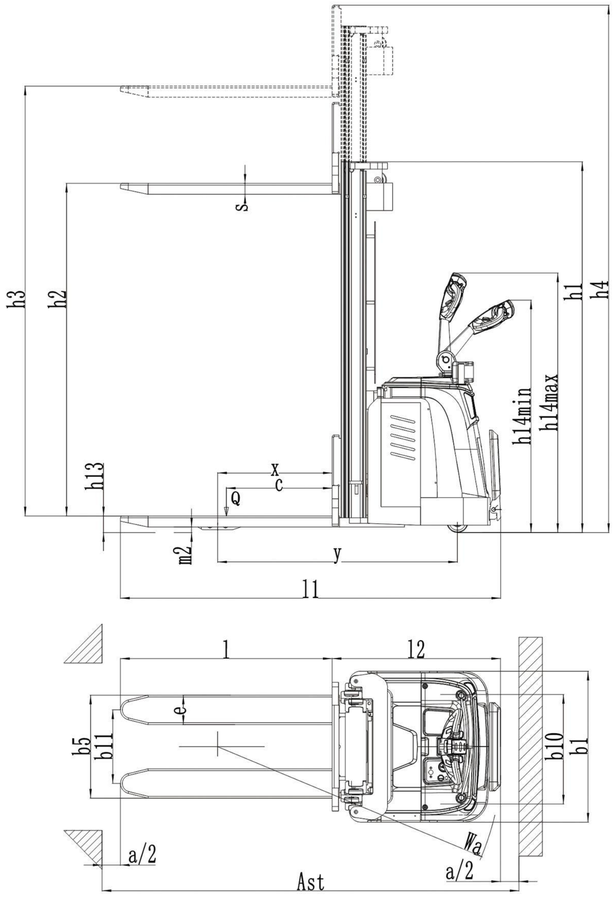
# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| | | | QES-P | | |
| Two stage mast | 1760 | – | 2410 | 2980 | 2500 |
| | 2010 | – | 2910 | 3480 | 3000 |
| | 2260 | – | 3410 | 3980 | 3500 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | 1840 | 1240 | 3910 | 4480 | 4000 |
| | 2010 | 1410 | 4410 | 4980 | 4500 |
| | 2180 | 1580 | 4910 | 5480 | 5000 |
| | 2350 | 1750 | 5410 | 5980 | 5500 |
| | 2520 | 1920 | 5910 | 6480 | 6000 |






# QES16-P / QES20-P

## Technical Specification

| | | Manufacturer's type designation | | QES-P | |
|---|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery | |
| | 1.4 | Operator type | | Rider-control | |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.6 | 2.0 |
| | 1.6 | Load centre distance | C (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 620 | |
| | 1.9 | Wheelbase | Y (mm) | 1350 | |
| Weight | 2.1 | Service weight | kg | 1250 | |
| | 2.2 | Axle loading, laden front/rear | kg | \ | |
| | 2.3 | Axle loading, unladen front/rear | kg | \ | |
| Tires, chassis | 3.1 | Tires | | PU | |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ250×70 | |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ80×70 | |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | ϕ110×55 | |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x+2/4 | |
| | 3.6 | Track, front | $b_{10}$ (mm) | 625 | |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 410/525 | |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 1840 | |
| | 4.3 | Free Lift height | $h_2$ (mm) | 1330 | |
| | 4.4 | Lift height | $h_3$ (mm) | 4000 | |
| | 4.5 | Extended mast height | $h_4$ (mm) | 4480 | |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | \ | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 90 | |
| | 4.19 | Overall length | $l_1$ (mm) | 2080 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 930 | |
| | 4.21 | Overall width | $b_1$ (mm) | 820 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 60/160/1150 | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 570/685 | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 30 | |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2470 | |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2465 | |
| | 4.35 | Turning radius | Wa (mm) | 1560 | |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | 5.5/5.8 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.11/0.12 | |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.15/0.1 | |
| | 5.8 | Max. gradeability, laden/ unladen | % | 5/8 | |
| | 5.10 | Service brake | | Electromagnetic | |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 1.5(AC) | |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2/3 | |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ | |
| | 6.4 | Battery voltage, nominal capacity K5 | Lead acaid battery | V/Ah | 24/210(270) |
| | | | Lithium battery (For option) | | 24/(150,175,200,230) |
| | 6.5 | B Battery weight +/-5% | kg | 200/250 | |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ | |
| Additional data | 8.1 | Type of drive control | | AC speed control | |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 69 | |

Note: For other specification parameters, please refer to the attached table



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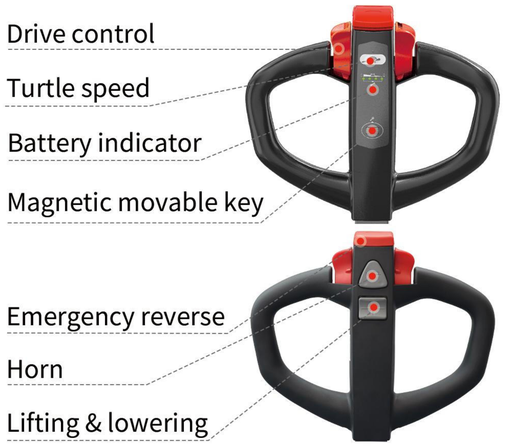
# QES10MCB
# COUNTER BALANCE STACKER

Capacity 1000 KGS
Drive by lead acid battery
Lithium battery for option
Lift up to 1950 mm - 3450 mm
More stable
Strong balancing capacity

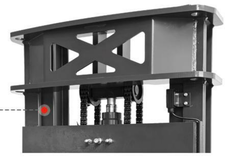
- Pin-code handle (For option)




### PU tandem wheel
The tandem wheels ensure the maximum stability and safety of cargo transportation.

### Emergency button
Located where you can easily reach and control, assuring safety for people and vehicle.

### Thickened mast frame
The mast is equipped with precision steel side wheel guide to reduce friction and make the mast more stable.



### Solid metal fork
One-piece punching and forming, reinforced steel plate of fork roots, which can enhance the fork's rigidity and load-bearing capacity.

## Main Feature

**High strength chassis design**
The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

**Variety battery capacity available**
By pairing battery volums and its chargers to match various work time demands.

**Security and stability**
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

**Intelligent control system**
Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.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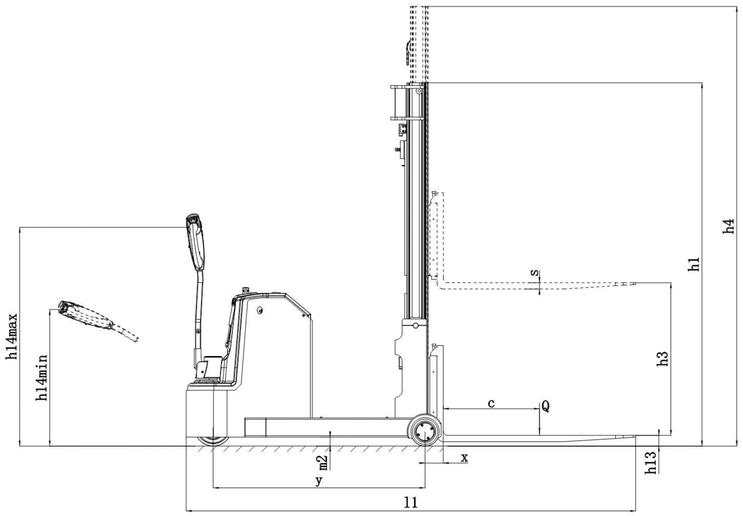
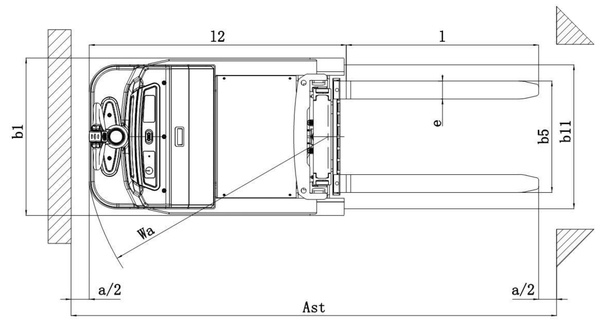
QS LIFT
QES10MCB COUNTER BALANCE STACKER

# SPECIFICATION

## Technical Specification

| Designation | Lowered mast height h1(mm) | Free Lift height h2(mm) | Lift height h3(mm) | Extended mast height h4(mm) | Lift+fork height h3+h13(mm) |
|---|---|---|---|---|---|
| | | | QES10MCB | | |
| Single stage mast | – | – | – | – | – |
| Two stage mast | 1520 | – | 1950 | 2500 | 2000 |
| | 1770 | – | 2450 | 3000 | 2500 |
| | 2020 | – | 2950 | 3500 | 3000 |
| | 2270 | – | 3450 | 4000 | 3500 |
| Two stage mast FFL (Full-Free-Lift) | – | – | – | – | – |
| Three stage mast | – | – | – | – | – |
| Three stage mast FFL (Full-Free-Lift) | – | – | – | – | – |






# QES10MCB

## Technical Specification

| | | Manufacturer's type designation | | QES10MCB |
|---|---|---|---|---|
| Distinguishing mark | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | Battery |
| | 1.4 | Operator type | | Pedestrian |
| | 1.5 | Load capacity / Rated load | Q(t) | 1.0 |
| | 1.6 | Load centre distance | C (mm) | 500 |
| | 1.8 | Load distance ,centre of drive axle to fork | X (mm) | 101 |
| | 1.9 | Wheelbase | Y (mm) | 1175 |
| Weight | 2.1 | Service weight | kg | 1590 |
| | 2.2 | Axle loading, laden front/rear | kg | \ |
| | 2.3 | Axle loading, unladen front/rear | kg | \ |
| Tires, chassis | 3.1 | Tires | | PU |
| | 3.2 | Tire size, front | ∅×w (mm) | ϕ210×75 |
| | 3.3 | Tire size, rear | ∅×w (mm) | ϕ160×73 |
| | 3.4 | Additional wheels(dimensions) | ∅×w (mm) | \ |
| | 3.5 | Wheels, number front/rear(x=driven wheels) | | 1x/2 |
| | 3.6 | Track, front | $b_{10}$ (mm) | \ |
| | 3.7 | Track, rear | $b_{11}$ (mm) | 800 |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 2020 |
| | 4.3 | Free Lift height | $h_2$ (mm) | \ |
| | 4.4 | Lift height | $h_3$ (mm) | 2950 |
| | 4.5 | Extended mast height | $h_4$ (mm) | 3492 |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 725/1218 |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 50 |
| | 4.19 | Overall length | $l_1$ (mm) | 2500 |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 1435 |
| | 4.21 | Overall width | $b_1$(mm) | 876 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 35/100/1070 |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 200/620 |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 50 |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2636 |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2725 |
| | 4.35 | Turning radius | Wa (mm) | 1355 |
| Performance data | 5.1 | Travel speed, laden/ unladen | Km/h | \ |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.079/0.104 |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.11/0.12 |
| | 5.8 | Max. gradeability, laden/ unladen | % | 6/10 |
| | 5.10 | Service brake | | Electromagnetic |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kw | 0.9 |
| | 6.2 | Lift motor rating at S3 4.5% | kw | 2.2 |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | \ |
| | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 2×12/100 |
| | 6.5 | B Battery weight +/-5% | kg | 2×33.5 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | \ |
| Additional data | 8.1 | Type of drive control | | DC speed control |
| | 8.4 | Sound level at driver's ear acc. to EN 12053 | dB(A) | 70 |

Note: For other specification parameters, please refer to the attached table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- Load capacity 1500 / 1800 KGS
- Efficient, fast and environmentally friendly
- Suitable for small space work
- Economical
- Compact
- Small turning radius
- Drive by lithium battery

# 3WEF15 / 3WEF18
# 3-WHEEL ELECTRIC FORKLIFT

## Main Feature

### High strength chassis design

The high strength chassis and compact design ensure the long life and flexibility.Specifically supported by its perfect metal welding and bending technology,and metal toughness as well.

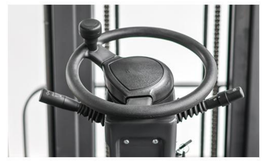
### Security and stability

The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

Foot acceleration
Foot braking

Safety handbrake

Brake lights and turn signals



Hydraulic steering operation

Emergency switch +
Pin-code lock

Battery Indicator



The handle is easily accessible



Ergonomic chair

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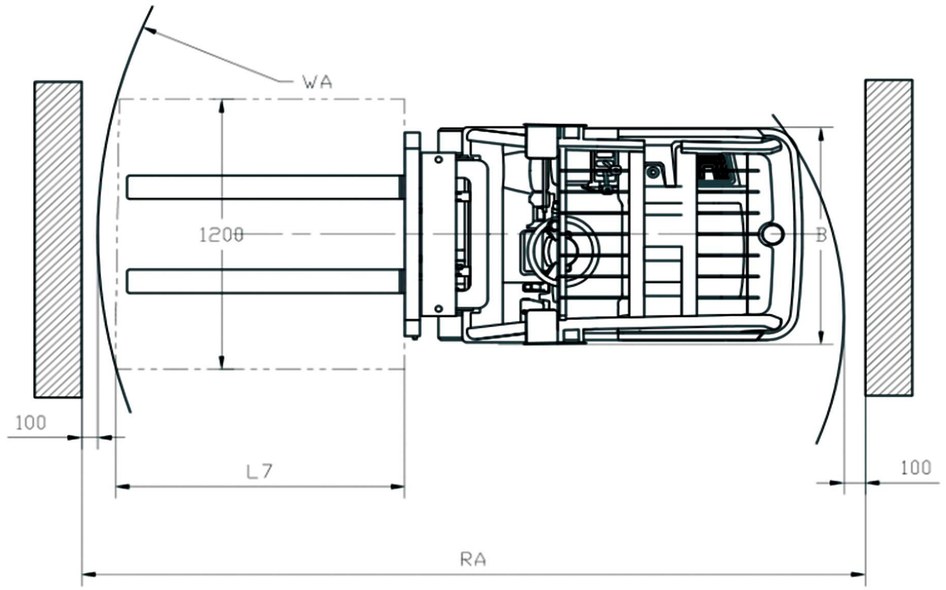


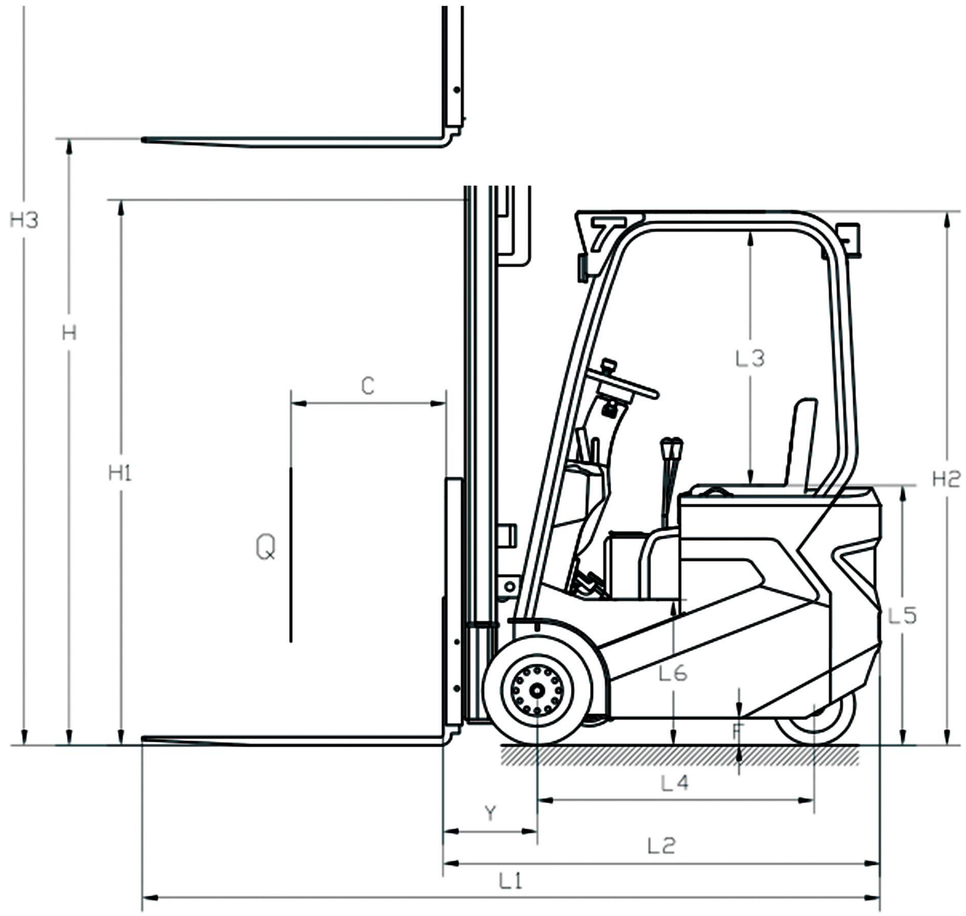


## Technical Specification

| Model | | | 3WEF15 3M (Duplex mast wihout sideshift) | 3WEF15 3M (Duplex mast with sideshift) | 3WEF15 3.5M (Duplex mast wihout sideshift) |
|---|---|---|---|---|---|
| Mast type | | | | H type steel | |
| Drive mode | | | | Front wheel drive | |
| Operation type | | | | Sit-on drive | |
| Load capacity | | kg | | 1500 | |
| Load center | | mm | | 400 | |
| Wheelbase | L4 | mm | | 1220 | |
| EPS(With/Without) | | | | Without | |
| Service weight (without battery) | | kg | 2420 | 2440 | 2445 |
| Service weight (with battery) | | kg | 2500 | 2520 | 2525 |
| Wheel material | | | | Rubber | |
| Wheel size, Front wheel | | mm | | 450×140 | |
| Numbers of wheels (Hydraulic steering) | | | | 4 | |
| Steering wheel | | mm | | 380×110 | |
| Mast height when lowered | H1 | mm | 2075 | 2075 | 2325 |
| Overall length | L1 | mm | 2871 | 2919 | 2871 |
| Body width | | mm | | 1014 | |
| Overall width | | mm | | 1040 | |
| Roof height | H2 | mm | | 1992 | |
| Max height when operation | H3 | mm | 3862 | 4049 | 4362 |
| Lift height | H | mm | 80~3000 | 80~3000 | 80~3500 |
| Ground clearance | F | mm | | 90 | |
| Fork length | | mm | | 1070 | |
| Fork outside width | | mm | | 200~800 | |
| Min.turning radius | WA | mm | | 1603 | |
| Fork Min.height | | mm | | 80 | |
| Fork thickness | | mm | | 35 | |
| Fork width | | mm | | 100 | |
| Lift free height | | mm | / | / | / |
| Fork lean forward / backforward angle | | ° | | 3/5 | |
| Aisle width for pallets 800 x 1200 lengthway | RA | mm | 3165 | 3203 | 3155 |
| Aisle width for pallets 1000 x 1000 crossway | RA | mm | 3460 | 3499 | 3460 |
| Travel speed, Laden / unladen | | km/h | | 8.0/9.0 | |
| Lift speed, laden / unladen | | mm/s | | 184/194 | |
| Lowering speed, laden / unladen | | mm/s | 141/182 | 186/179 | 186/179 |
| Max.gradeability, laden / unladen | | % | | 10 | |
| Drive motor power | | kw | | 4 | |
| Lift motor power | | kw | | 3.5 | |
| Battery voltage,nominal capacity | | V/Ah | | 48/135 | |
| Battery weight | | kg | | 80 | |
| Battery size (L×W×H) | | mm | | 682×300×420 | |
| Brake | | | | Hydraulic brake | |





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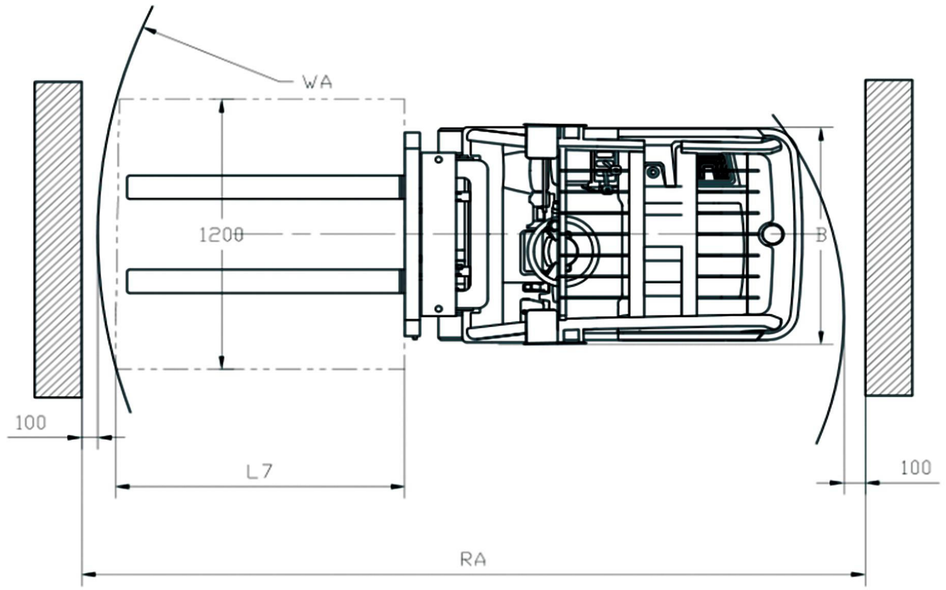


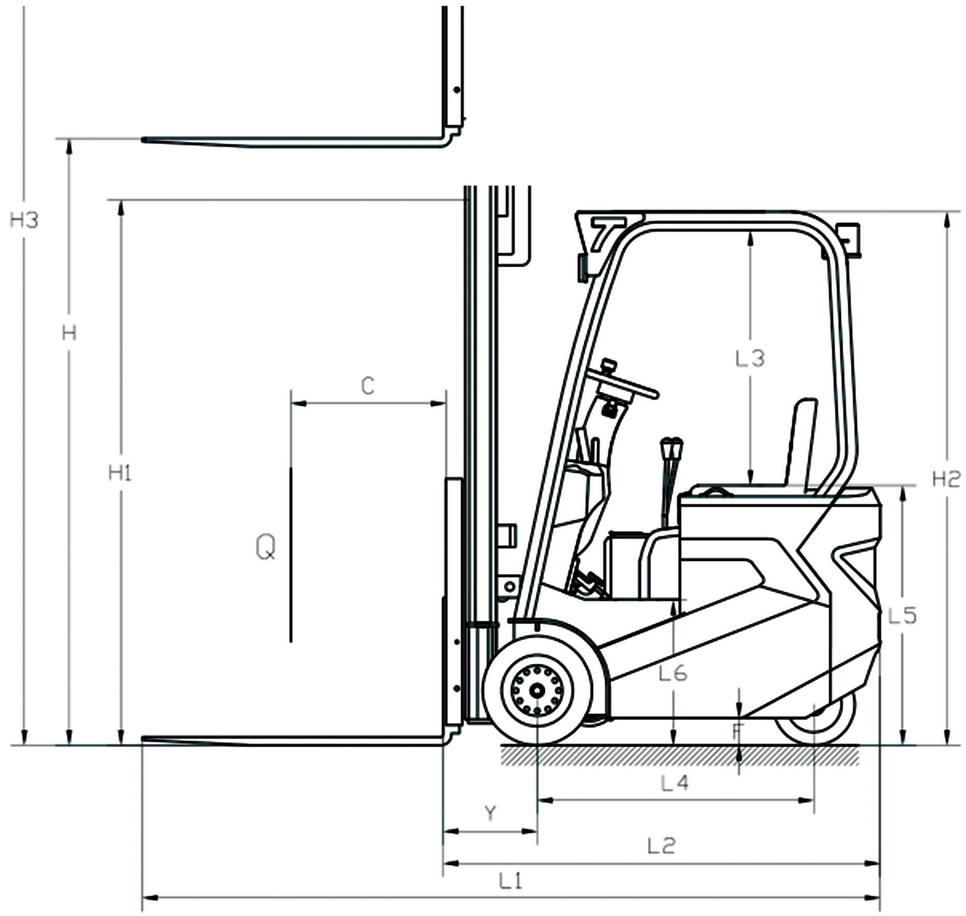


## Technical Specification

| Model | | | 3WEF15 3.5M (Duplex mast with sideshift) | 3WEF15 4M (Triplex mast without sideshift) | 3WEF15 4M (Triplex mast with sideshift) |
|---|---|---|---|---|---|
| Mast type | | | | H type steel | |
| Drive mode | | | | Front wheel drive | |
| Operation type | | | | Sit-on drive | |
| Load capacity | | kg | | 1500 | |
| Load center | | mm | | 400 | |
| Wheelbase | L4 | mm | | 1220 | |
| EPS(With/Without) | | | | Without | |
| Service weight (without battery) | | kg | 2465 | 2635 | 2655 |
| Service weight (with battery) | | kg | 2545 | 2715 | 2735 |
| Wheel material | | | | Rubber | |
| Wheel size, Front wheel | | mm | | 450×140 | |
| Numbers of wheels (Hydraulic steering) | | | | 4 | |
| Steering wheel | | mm | | 380×110 | |
| Mast height when lowered | H1 | mm | 2325 | 1920 | 1920 |
| Overall length | L1 | mm | 2919 | 2871 | 2919 |
| Body width | | mm | | 1014 | |
| Overall width | | mm | | 1040 | |
| Roof height | H2 | mm | | 1992 | |
| Max height when operation | H3 | mm | 4549 | 4808 | 4995 |
| Lift height | H | mm | 80~3500 | 80~3500 | 80~4000 |
| Ground clearance | F | mm | | 90 | |
| Fork length | | mm | | 1070 | |
| Fork outside width | | mm | | 200~800 | |
| Min.turning radius | WA | mm | | 1603 | |
| Fork Min.height | | mm | | 80 | |
| Fork thickness | | mm | | 35 | |
| Fork width | | mm | | 100 | |
| Lift free height | | mm | / | 1375 | 1375 |
| Fork lean forward / backforward angle | | ° | | 3/5 | |
| Aisle width for pallets 800 x 1200 lengthway | RA | mm | 3203 | 3172 | 3208 |
| Aisle width for pallets 1000 x 1000 crossway | RA | mm | 3499 | 3473 | 3503 |
| Travel speed, Laden / unladen | | km/h | | 8.0/9.0 | |
| Lift speed, laden / unladen | | mm/s | | 184/194 | |
| Lowering speed, laden / unladen | | mm/s | 186/179 | 186/179 | 186/179 |
| Max.gradeability, laden / unladen | | % | | 10 | |
| Drive motor power | | kw | | 4 | |
| Lift motor power | | kw | | 3.5 | |
| Battery voltage,nominal capacity | | V/Ah | | 48/135 | |
| Battery weight | | kg | | 80 | |
| Battery size (L×W×H) | | mm | | 682×300×420 | |
| Brake | | | | Hydraulic brake | |





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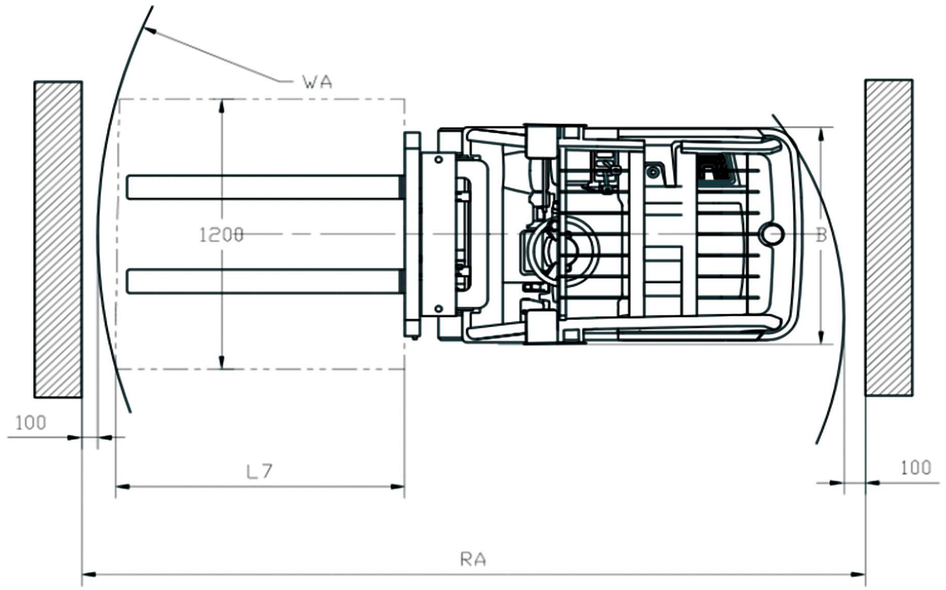


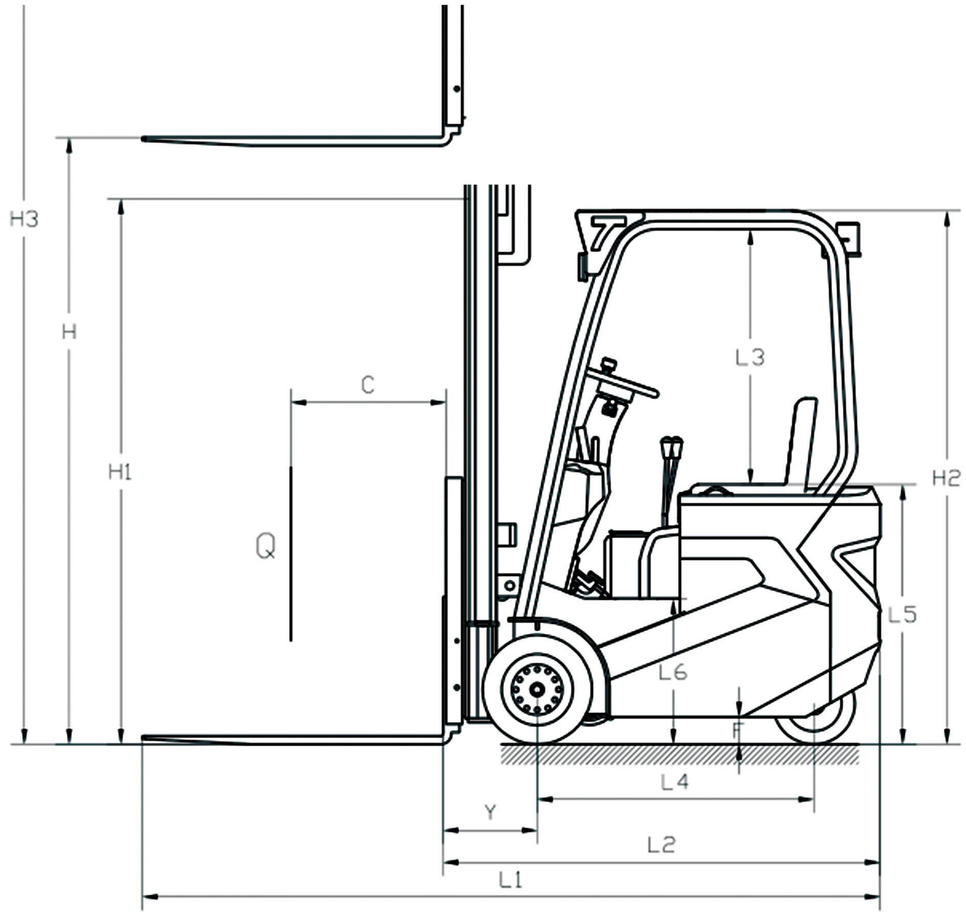


## Technical Specification

| Model | | | 3WEF15 4.5M (Triplex mast without sideshift) | 3WEF15 4.5M (Triplex mast with sideshift) | 3WEF15 4.8M (Triplex mast without sideshift) |
|---|---|---|---|---|---|
| Mast type | | | | H type steel | |
| Drive mode | | | | Front wheel drive | |
| Operation type | | | | Sit-on drive | |
| Load capacity | | kg | | 1500 | |
| Load center | | mm | | 400 | |
| Wheelbase | L4 | mm | | 1220 | |
| EPS(With/Without) | | | | Without | |
| Service weight (without battery) | | kg | 2660 | 2680 | 2670 |
| Service weight (with battery) | | kg | 2740 | 2760 | 2755 |
| Wheel material | | | | Rubber | |
| Wheel size, Front wheel | | mm | | 450×140 | |
| Numbers of wheels (Hydraulic steering) | | | | 4 | |
| Steering wheel | | mm | | 380×110 | |
| Mast height when lowered | H1 | mm | 2085 | 2085 | 2185 |
| Overall length | L1 | mm | 2871 | 2919 | 2888 |
| Body width | | mm | | 1014 | |
| Overall width | | mm | | 1040 | |
| Roof height | H2 | mm | | 1992 | |
| Max height when operation | H3 | mm | 5303 | 5490 | 5603 |
| Lift height | H | mm | 80~4500 | 80~4500 | 80~4800 |
| Ground clearance | F | mm | | 90 | |
| Fork length | | mm | | 1070 | |
| Fork outside width | | mm | | 200~800 | |
| Min.turning radius | WA | mm | | 1603 | |
| Fork Min.height | | mm | | 80 | |
| Fork thickness | | mm | | 35 | |
| Fork width | | mm | | 100 | |
| Lift free height | | mm | 1740 | 1740 | 1640 |
| Fork lean forward / backforward angle | | ° | | 3/5 | |
| Aisle width for pallets 800 x 1200 lengthway | RA | mm | 3172 | 3208 | 3172 |
| Aisle width for pallets 1000 x 1000 crossway | RA | mm | 3473 | 3503 | 3473 |
| Travel speed, Laden / unladen | | km/h | | 8.0/9.0 | |
| Lift speed, laden / unladen | | mm/s | | 184/194 | |
| Lowering speed, laden / unladen | | mm/s | | 186/179 | |
| Max.gradeability, laden / unladen | | % | | 10 | |
| Drive motor power | | kw | | 4 | |
| Lift motor power | | kw | | 3.5 | |
| Battery voltage,nominal capacity | | V/Ah | | 48/135 | |
| Battery weight | | kg | | 80 | |
| Battery size (L×W×H) | | mm | | 682×300×420 | |
| Brake | | | | Hydraulic brake | |



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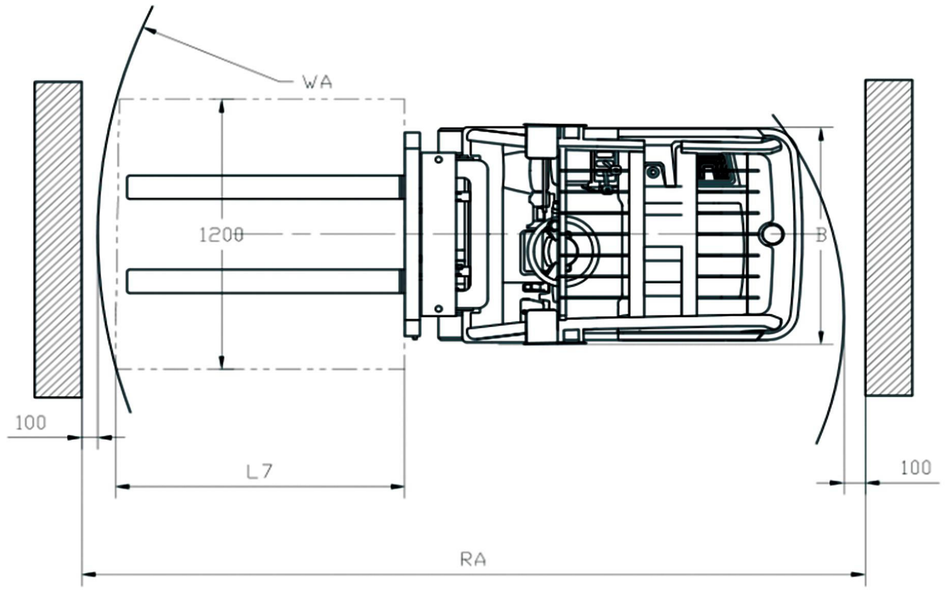


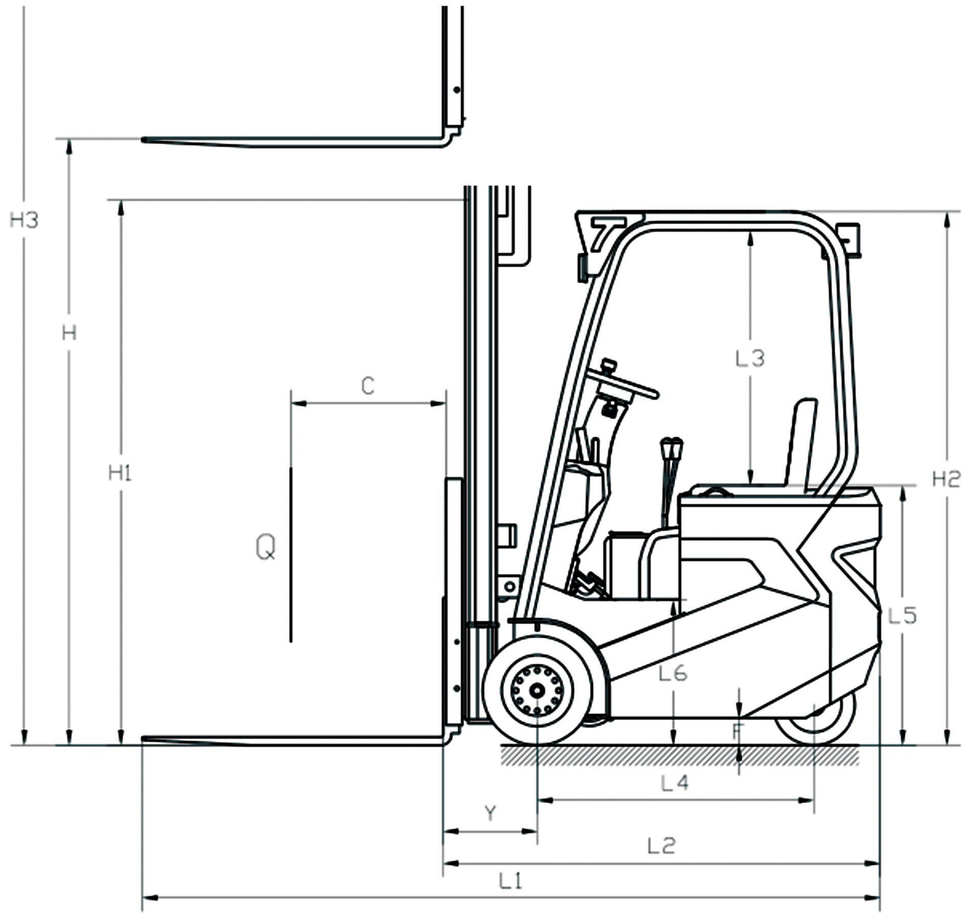


## Technical Specification

| Model | | | 3WEF15 4.8M (Triplex mast with sideshift) | 3WEF18 3M (Duplex mast wihout sideshift) | 3WEF18 3M (Duplex mast wih sideshift) |
|---|---|---|---|---|---|
| Mast type | | | | H type steel | |
| Drive mode | | | | Front wheel drive | |
| Operation type | | | | Sit-on drive | |
| Load capacity | | kg | 1500 | 1800 | 1800 |
| Load center | | mm | | 400 | |
| Wheelbase | L4 | mm | 1220 | 1370 | 1370 |
| EPS(With/Without) | | | | Without | |
| Service weight (without battery) | | kg | 2695 | 2735 | 2755 |
| Service weight (with battery) | | kg | 2775 | 2865 | 2885 |
| Wheel material | | | | Rubber | |
| Wheel size, Front wheel | | mm | 450×140 | 445×168 | 445×168 |
| Numbers of wheels (Hydraulic steering) | | | | 4 | |
| Steering wheel | | mm | 380×110 | 384×135 | 384×135 |
| Mast height when lowered | H1 | mm | 2185 | 2075 | 2075 |
| Overall length | L1 | mm | 2924 | 3026 | 3074 |
| Body width | | mm | 1014 | 1064 | 1064 |
| Overall width | | mm | 1040 | 1078 | 1078 |
| Roof height | H2 | mm | | 1992 | |
| Max height when operation | H3 | mm | 5799 | 3862 | 4049 |
| Lift height | H | mm | 80~4800 | 80~3000 | 80~3000 |
| Ground clearance | F | mm | | 90 | |
| Fork length | | mm | | 1070 | |
| Fork outside width | | mm | 200~800 | 240~800 | 240~800 |
| Min.turning radius | WA | mm | 1603 | 1733 | 1733 |
| Fork Min.height | | mm | | 80 | |
| Fork thickness | | mm | 35 | 40 | 40 |
| Fork width | | mm | 100 | 120 | 120 |
| Lift free height | | mm | 1640 | / | / |
| Fork lean forward / backforward angle | | ° | | 3/5 | |
| Aisle width for pallets 800 x 1200 lengthway | RA | mm | 3208 | 3305 | 3353 |
| Aisle width for pallets 1000 x 1000 crossway | RA | mm | 3503 | 3610 | 3649 |
| Travel speed, Laden / unladen | | km/h | | 8.0/9.0 | |
| Lift speed, laden / unladen | | mm/s | | 184/194 | |
| Lowering speed, laden / unladen | | mm/s | | 186/179 | |
| Max.gradeability, laden / unladen | | % | | 10 | |
| Drive motor power | | kw | 4 | 6 | 6 |
| Lift motor power | | kw | 3.5 | 3.5 | 3.5 |
| Battery voltage,nominal capacity | | V/Ah | 48/135 | 48/200 | 48/200 |
| Battery weight | | kg | 80 | 130 | 130 |
| Battery size (L×W×H) | | mm | 682×300×420 | 682×300×600 | 682×300×600 |
| Brake | | | | Hydraulic brake | |





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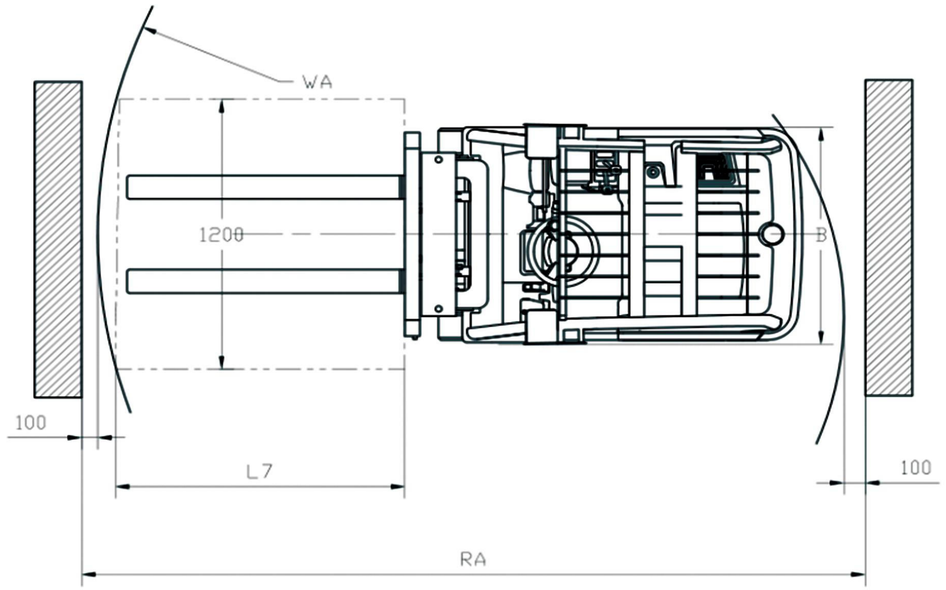


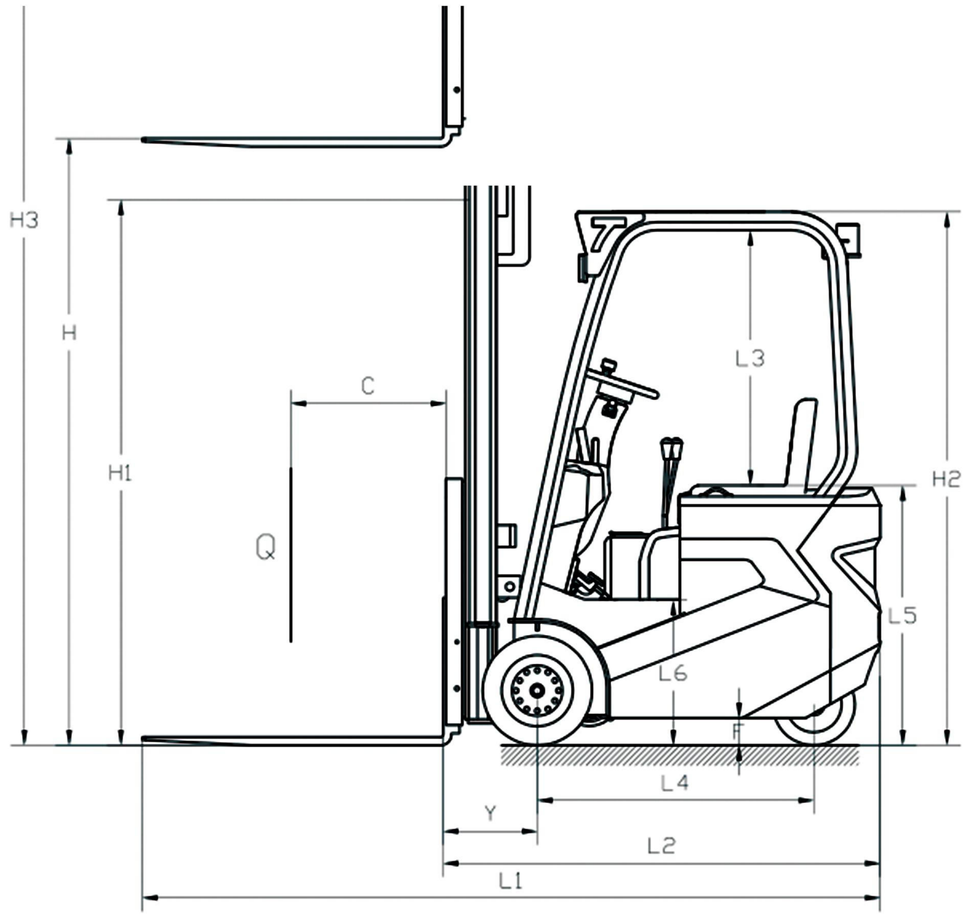


# Technical Specification

| Model | | | 3WEF18 3.5M (Duplex mast wihout sideshift) | 3WEF18 3.5M (Duplex mast wih sideshift) | 3WEF18 4M (Triplex mast without sideshift) |
|---|---|---|---|---|---|
| Mast type | | | | H type steel | |
| Drive mode | | | | Front wheel drive | |
| Operation type | | | | Sit-on drive | |
| Load capacity | | kg | | 1800 | |
| Load center | | mm | | 400 | |
| Wheelbase | L4 | mm | | 1370 | |
| EPS(With/Without) | | | | Without | |
| Service weight (without battery) | | kg | 2760 | 2780 | 2950 |
| Service weight (with battery) | | kg | 2890 | 2910 | 3080 |
| Wheel material | | | | Rubber | |
| Wheel size, Front wheel | | mm | | 445×168 | |
| Numbers of wheels (Hydraulic steering) | | | | 4 | |
| Steering wheel | | mm | | 384×135 | |
| Mast height when lowered | H1 | mm | 2325 | 2325 | 1920 |
| Overall length | L1 | mm | 3026 | 3074 | 3043 |
| Body width | | mm | | 1064 | |
| Overall width | | mm | | 1078 | |
| Roof height | H2 | mm | | 1992 | |
| Max height when operation | H3 | mm | 4362 | 4549 | 4808 |
| Lift height | H | mm | 80~3500 | 80~3500 | 80~4000 |
| Ground clearance | F | mm | | 90 | |
| Fork length | | mm | | 1070 | |
| Fork outside width | | mm | | 240~800 | |
| Min.turning radius | WA | mm | | 1733 | |
| Fork Min.height | | mm | | 80 | |
| Fork thickness | | mm | | 40 | |
| Fork width | | mm | | 120 | |
| Lift free height | | mm | / | / | 1375 |
| Fork lean forward / backforward angle | | ° | | 3/5 | |
| Aisle width for pallets 800 x 1200 lengthway | RA | mm | 3155 | 3203 | 3172 |
| Aisle width for pallets 1000 x 1000 crossway | RA | mm | 3460 | 3499 | 3473 |
| Travel speed, Laden / unladen | | km/h | | 8.0/9.0 | |
| Lift speed, laden / unladen | | mm/s | | 184/194 | |
| Lowering speed, laden / unladen | | mm/s | | 186/179 | |
| Max.gradeability, laden / unladen | | % | | 10 | |
| Drive motor power | | kw | | 6 | |
| Lift motor power | | kw | | 3.5 | |
| Battery voltage,nominal capacity | | V/Ah | | 48/200 | |
| Battery weight | | kg | | 130 | |
| Battery size (L×W×H) | | mm | | 682×300×600 | |
| Brake | | | | Hydraulic brake | |





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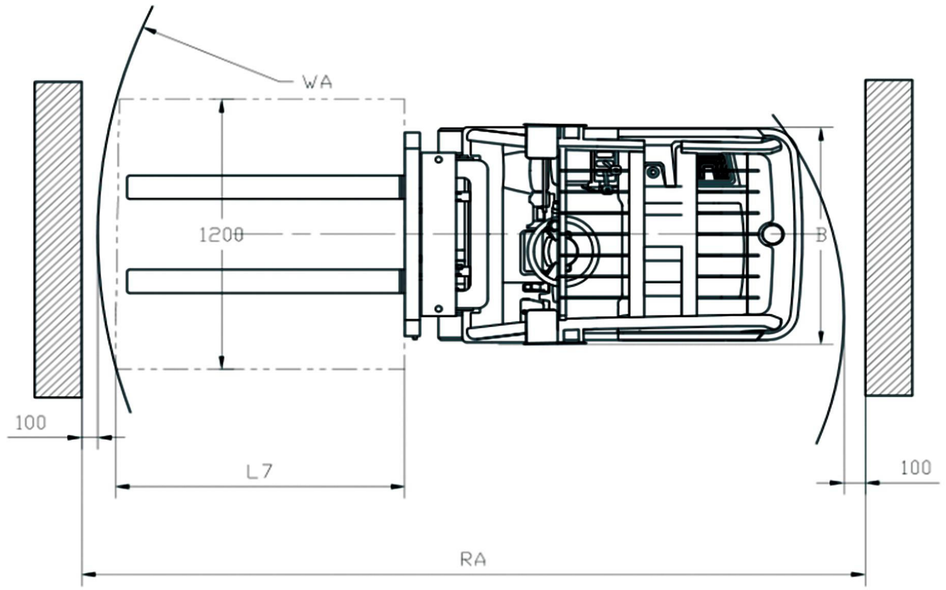


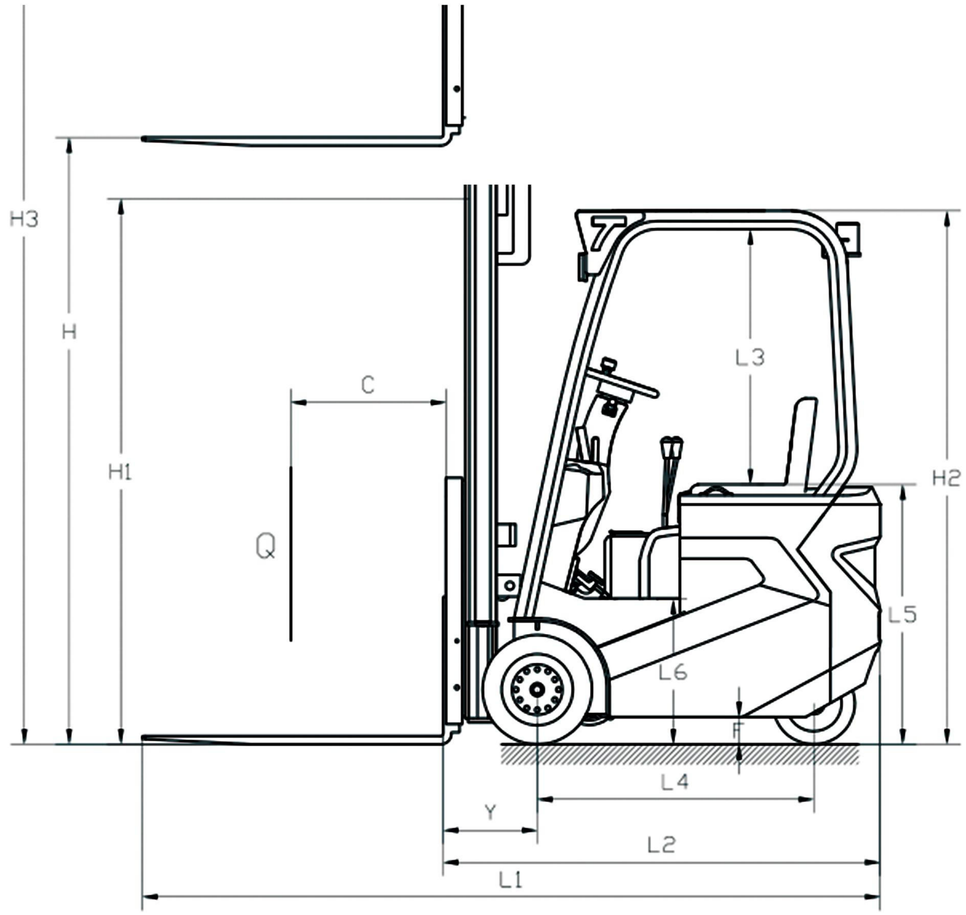


## Technical Specification

| Model | | | 3WEF18 4M (Triplex mast with sideshift) | 3WEF18 4.5M (Triplex mast without sideshift) | 3WEF18 4.5M (Triplex mast with sideshift) |
|---|---|---|---|---|---|
| Mast type | | | | H type steel | |
| Drive mode | | | | Front wheel drive | |
| Operation type | | | | Sit-on drive | |
| Load capacity | | kg | | 1800 | |
| Load center | | mm | | 400 | |
| Wheelbase | L4 | mm | | 1370 | |
| EPS(With/Without) | | | | Without | |
| Service weight (without battery) | | kg | 2970 | 2975 | 2995 |
| Service weight (with battery) | | kg | 3100 | 3105 | 3125 |
| Wheel material | | | | Rubber | |
| Wheel size, Front wheel | | mm | | 445×168 | |
| Numbers of wheels (Hydraulic steering) | | | | 4 | |
| Steering wheel | | mm | | 384×135 | |
| Mast height when lowered | H1 | mm | 1920 | 2085 | 2085 |
| Overall length | L1 | mm | 3079 | 3043 | 3079 |
| Body width | | mm | | 1064 | |
| Overall width | | mm | | 1078 | |
| Roof height | H2 | mm | | 1992 | |
| Max height when operation | H3 | mm | 4995 | 5303 | 5490 |
| Lift height | H | mm | 80~4000 | 80~4500 | 80~4500 |
| Ground clearance | F | mm | | 90 | |
| Fork length | | mm | | 1070 | |
| Fork outside width | | mm | | 240~800 | |
| Min.turning radius | WA | mm | | 1733 | |
| Fork Min.height | | mm | | 80 | |
| Fork thickness | | mm | | 40 | |
| Fork width | | mm | | 120 | |
| Lift free height | | mm | 1375 | 1740 | 1740 |
| Fork lean forward / backforward angle | | ° | | 3/5 | |
| Aisle width for pallets 800 x 1200 lengthway | RA | mm | 3208 | 3172 | 3208 |
| Aisle width for pallets 1000 x 1000 crossway | RA | mm | 3503 | 3473 | 3503 |
| Travel speed, Laden / unladen | | km/h | | 8.0/9.0 | |
| Lift speed, laden / unladen | | mm/s | | 184/194 | |
| Lowering speed, laden / unladen | | mm/s | | 186/179 | |
| Max.gradeability, laden / unladen | | % | | 10 | |
| Drive motor power | | kw | | 6 | |
| Lift motor power | | kw | | 3.5 | |
| Battery voltage,nominal capacity | | V/Ah | | 48/200 | |
| Battery weight | | kg | | 130 | |
| Battery size (L×W×H) | | mm | | 682×300×600 | |
| Brake | | | | Hydraulic brake | |





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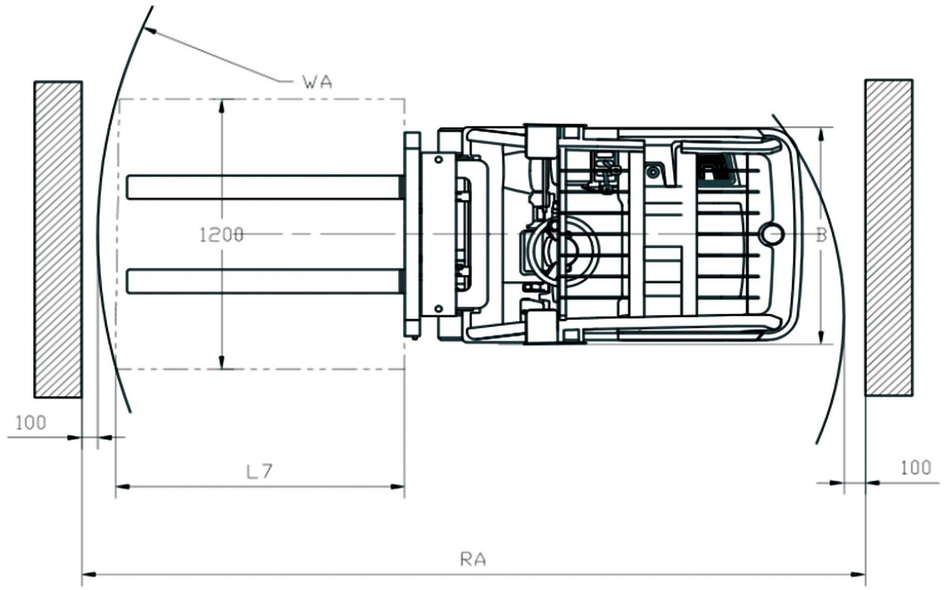


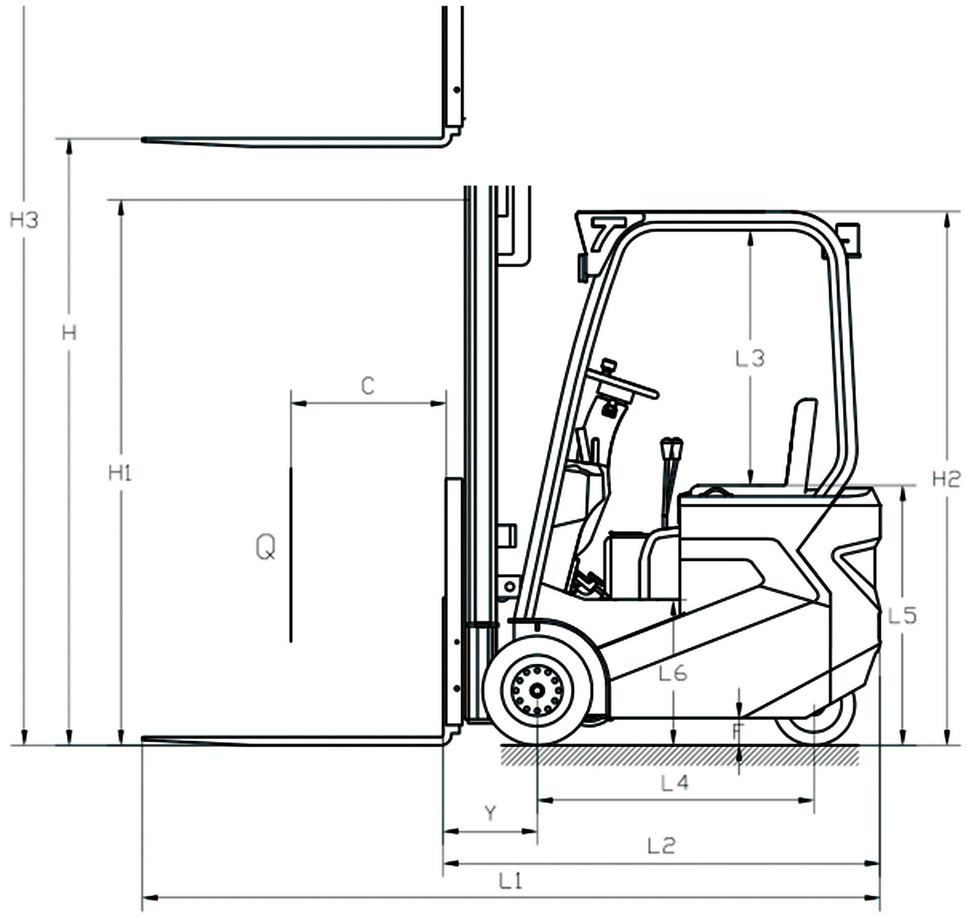


# Technical Specification

| Model | | | 3WEF18 4.8M (Triplex mast without sideshift) | 3WEF18 4.8M (Triplex mast with sideshift) |
|---|---|---|---|---|
| Mast type | | | H type steel | |
| Drive mode | | | Front wheel drive | |
| Operation type | | | Sit-on drive | |
| Load capacity | | kg | 1800 | |
| Load center | | mm | 400 | |
| Wheelbase | L4 | mm | 1370 | |
| EPS(With/Without) | | | Without | |
| Service weight (without battery) | | kg | 2970 | 2990 |
| Service weight (with battery) | | kg | 3120 | 3140 |
| Wheel material | | | Rubber | |
| Wheel size, Front wheel | | mm | 445×168 | |
| Numbers of wheels (Hydraulic steering) | | | 4 | |
| Steering wheel | | mm | 384×135 | |
| Mast height when lowered | H1 | mm | 2185 | 2185 |
| Overall length | L1 | mm | 3043 | 3079 |
| Body width | | mm | 1064 | |
| Overall width | | mm | 1078 | |
| Roof height | H2 | mm | 1992 | |
| Max height when operation | H3 | mm | 5603 | 5799 |
| Lift height | H | mm | 80~4800 | |
| Ground clearance | F | mm | 90 | |
| Fork length | | mm | 1070 | |
| Fork outside width | | mm | 240~800 | |
| Min.turning radius | WA | mm | 1733 | |
| Fork Min.height | | mm | 80 | |
| Fork thickness | | mm | 40 | |
| Fork width | | mm | 120 | |
| Lift free height | | mm | 1640 | |
| Fork lean forward / backforward angle | | ° | 3/5 | |
| Aisle width for pallets 800 x 1200 lengthway | RA | mm | 3322 | 3358 |
| Aisle width for pallets 1000 x 1000 crossway | RA | mm | 3623 | 3653 |
| Travel speed, Laden / unladen | | km/h | 8.0/9.0 | |
| Lift speed, laden / unladen | | mm/s | 184/194 | |
| Lowering speed, laden / unladen | | mm/s | 186/179 | |
| Max.gradeability, laden / unladen | | % | 10 | |
| Drive motor power | | kw | 6 | |
| Lift motor power | | kw | 3.5 | |
| Battery voltage,nominal capacity | | V/Ah | 48/200 | |
| Battery weight | | kg | 130 | |
| Battery size (L×W×H) | | mm | 682×300×600 | |
| Brake | | | Hydraulic brake | |





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