







# CHANGXING QIANGSHENG MACHINERY CO.,LTD.

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# INTELLIGENT SOLUTIONS FOR INTRALOGISTICS

FULL RANGE ELECTRIC WAREHOUSE EQUIPMENT





### 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.

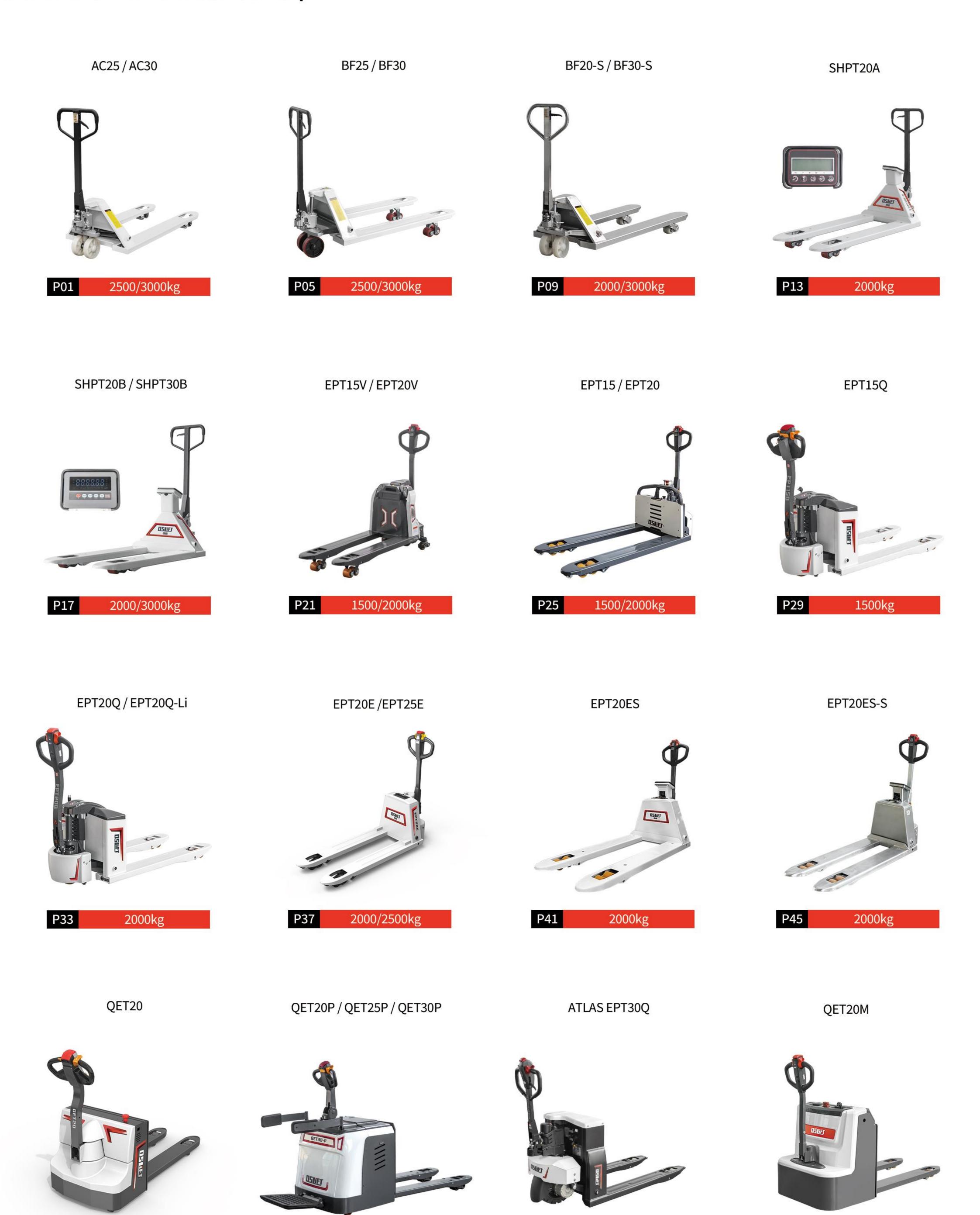
The core technologies of QS LIFT products are originally designed by the Qiangsheng technical team. Starting in 2011, the company evolved from only processing components to covering the full range of warehouse equipment, a transition driven by the founder's forward-looking vision for the future of the 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.

For more information about QS LIFT, please visit our website: http://www.qslift.com / www.qs-lift.com

# CONTENTS

# PALLET TRUCK /P1-64

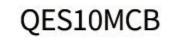


3000kg

P53 2000/2500/3000kg

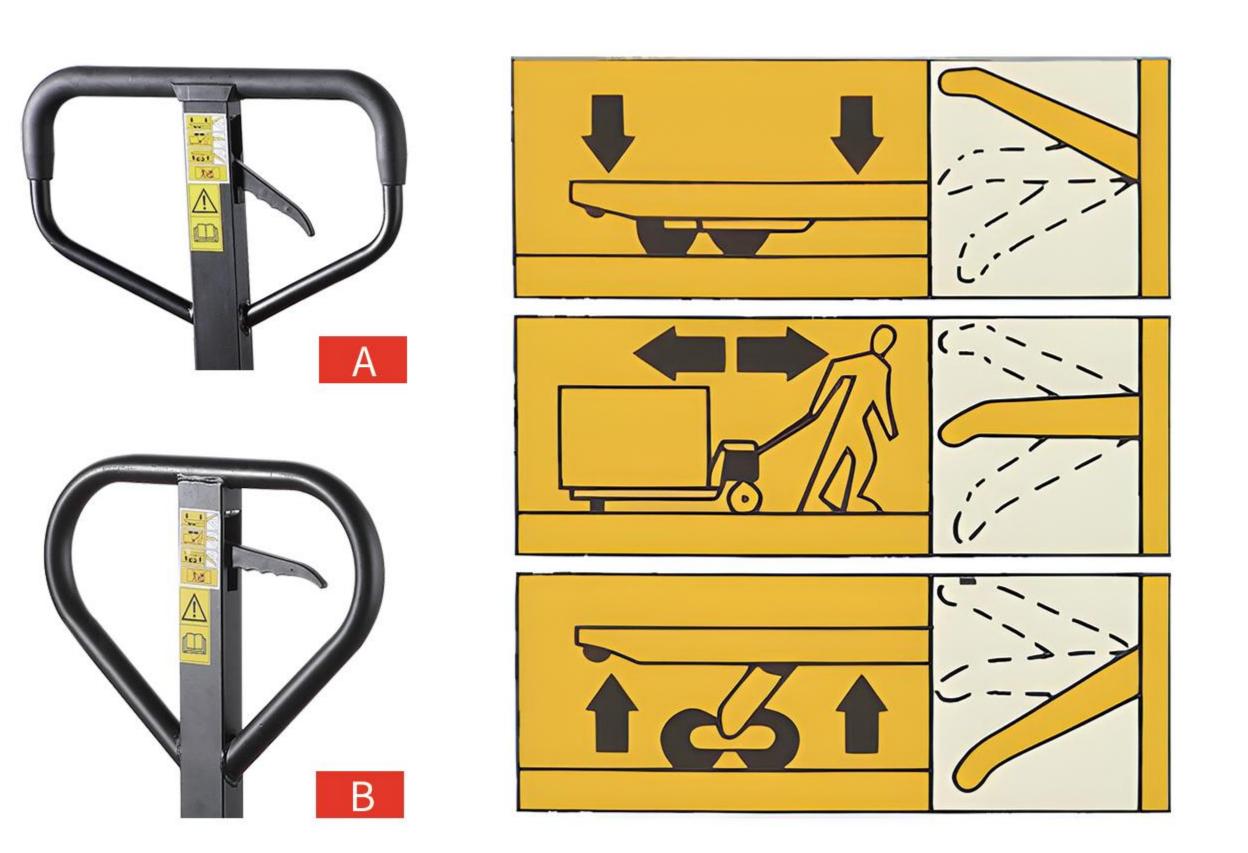
# PALLET STACKER /P65-126









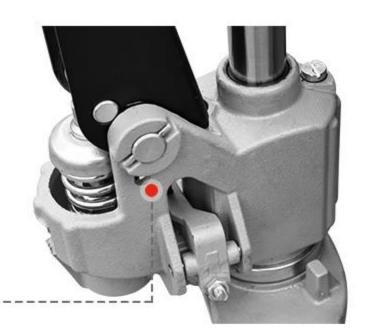


Three position operational handle lever for lifting, transportation and lowering purposes.

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

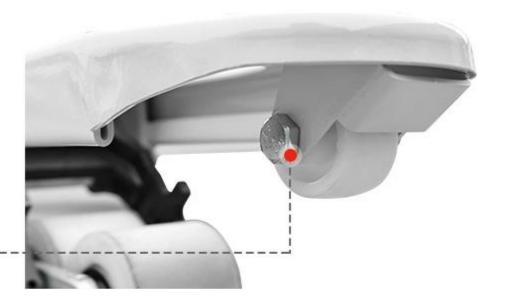
# Sealed oil cylinder

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

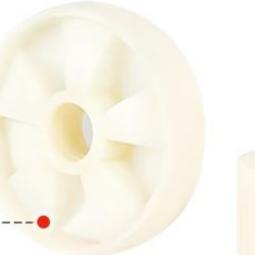
Ideal for delicate floors with hard wearing and non-marking property, quiet and durable.





# 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.





# 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.

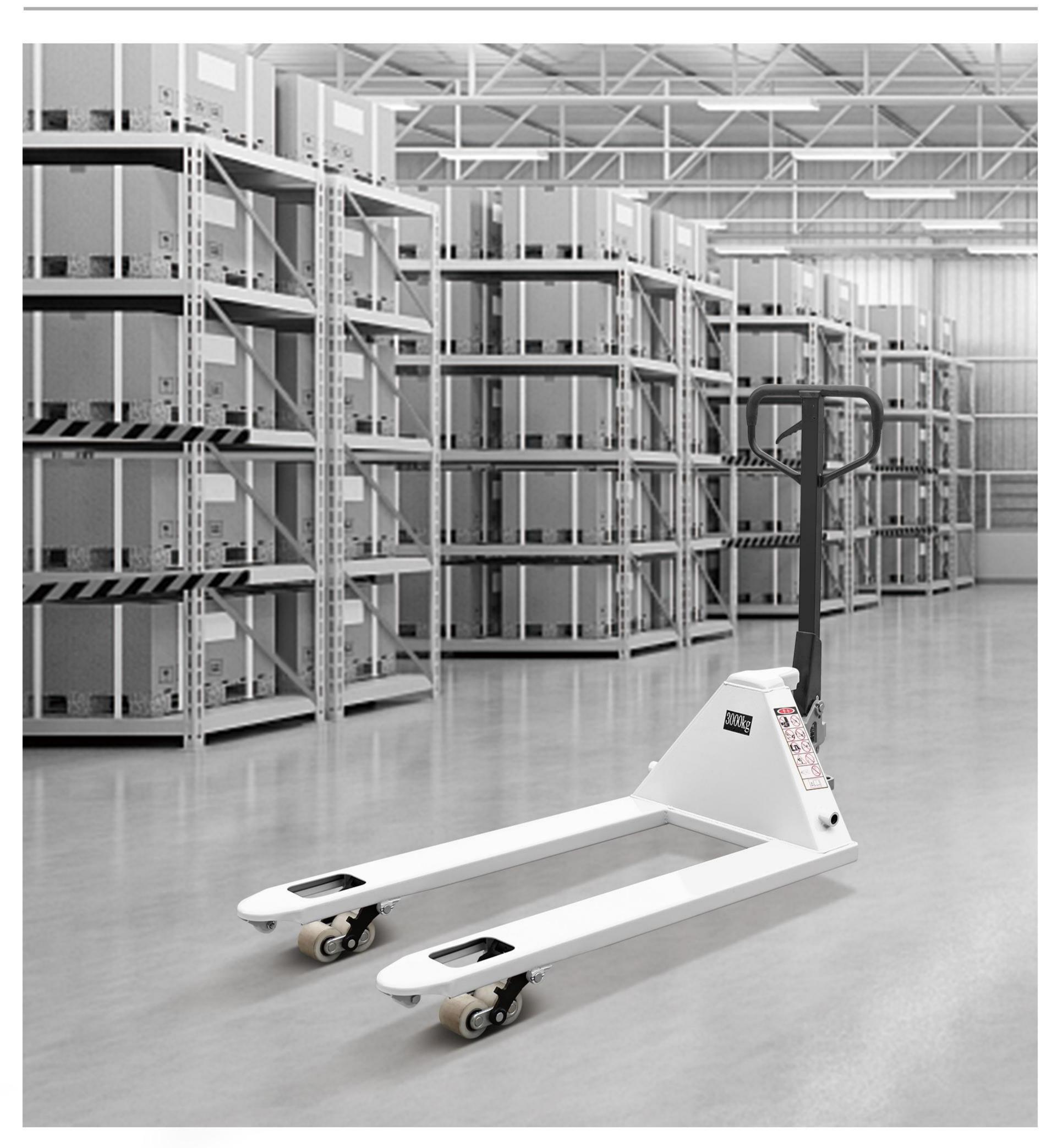


# Security and stability

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.

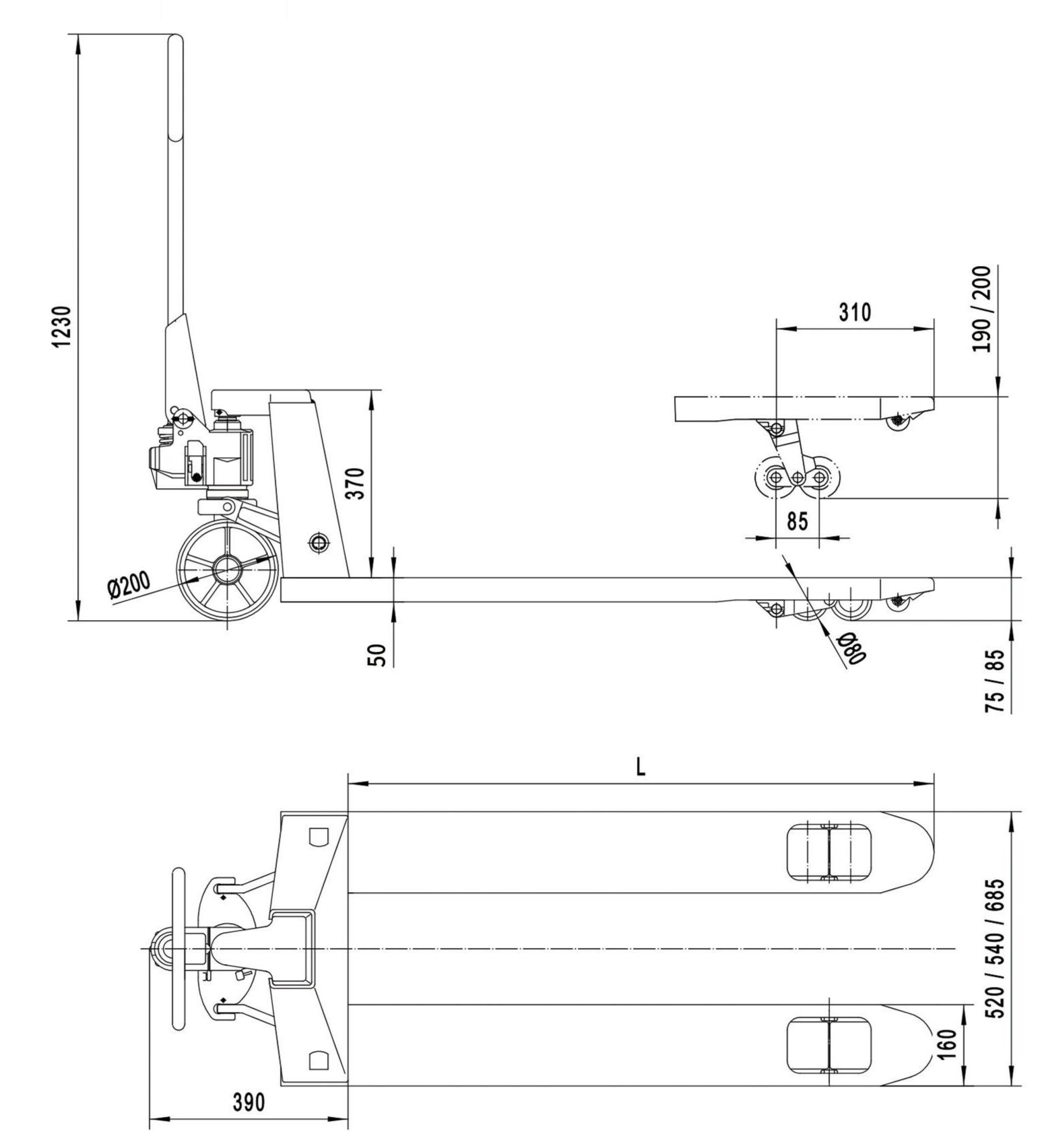
Handle Option

# Product display



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

Model		AC25		AC30		
Load capacity	kg	25	500	3000		
Min. fork height h	mm	85	75	85	75	
Max. fork height h1	mm	200	190	200	190	
Steering wheel	mm	Ф180×50	Φ180×50	Ф180×50	Ф180×50	
Load roller Single	mm	Ф80×93	Φ74×93	Ф80×93	Φ74×93	
Load roller Tandem	mm	Ф80×70	Φ74×70	Ф80×70	Φ74×70	
Size of fork e×s	mm		160	×50		
Width overall forks B	mm	450/520/540/685				
Fork length L	mm		800/900/1000/1	100/1150/1220		





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.

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



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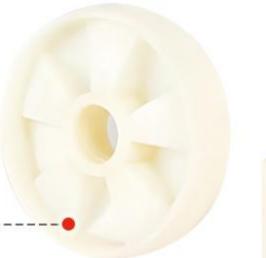
Ideal for delicate floors with hard wearing and non-marking property, quiet and durable.





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# Main Feature



# High strength chassis design

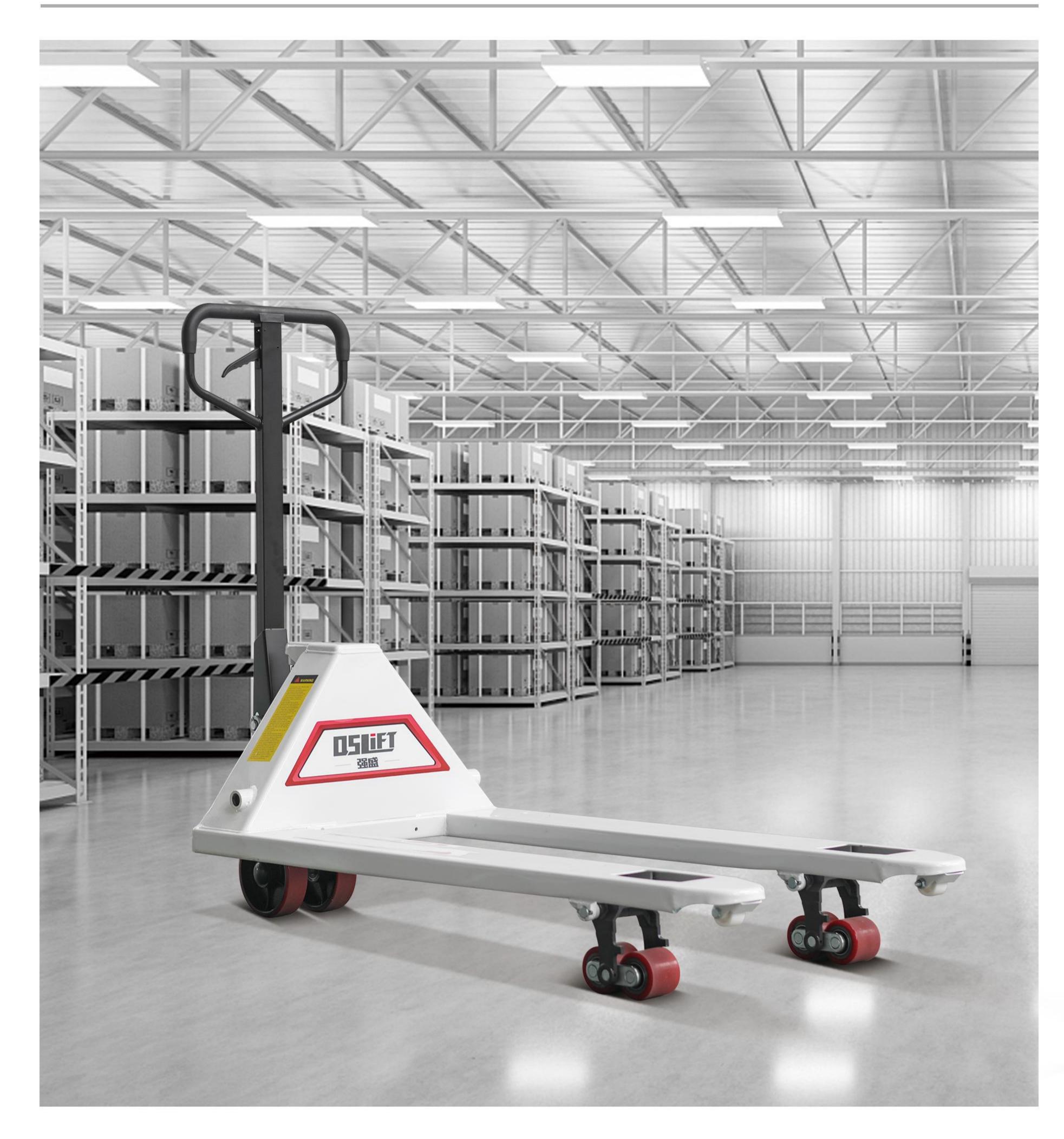
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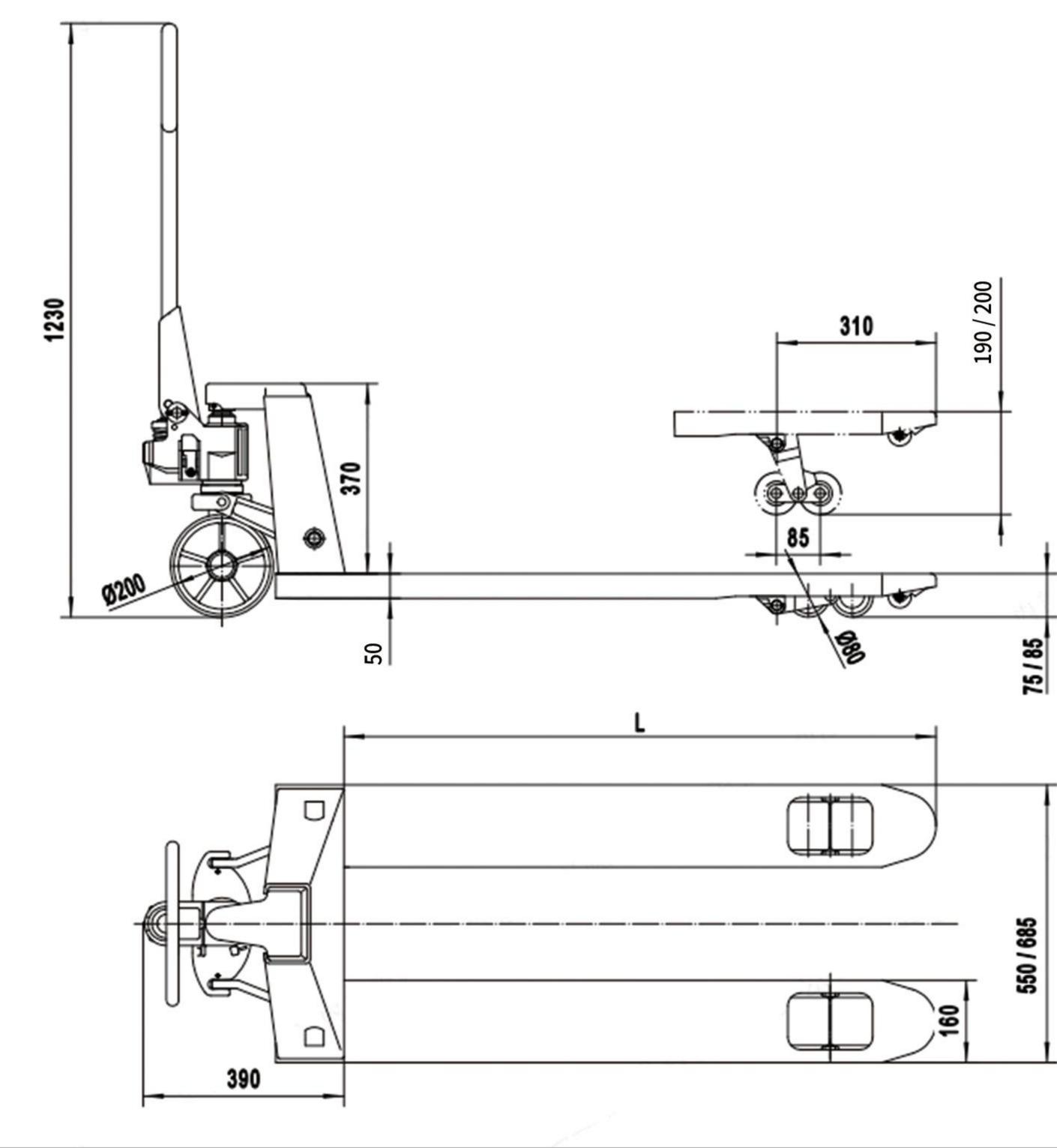
# Product display



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

# BF25 / BF30

Model		BF25	BF30	
Pump		BF casti	ng 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		Nylo	n / PU	
Pump time to the top	times	≤13		
packing	pcs/pallet	6		
Net Weight	kg	68-75		



# 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



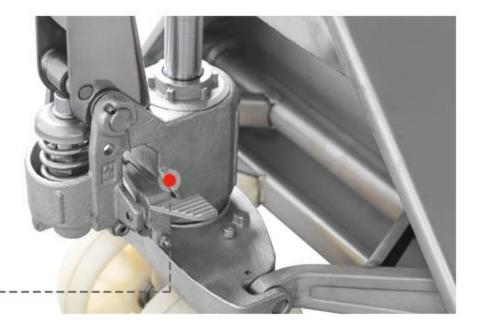


Three position operational handle lever for lifting, transportation and lowering purposes.

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

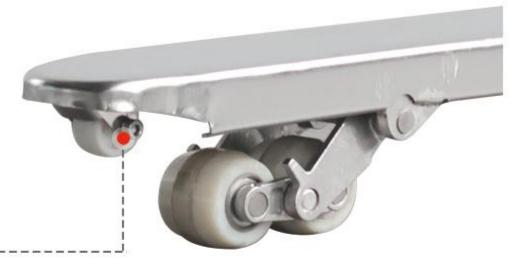
# Sealed oil cylinder

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.



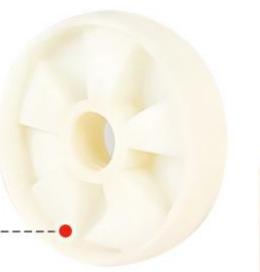
# Long handle

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.





# Main Feature



# High strength chassis design

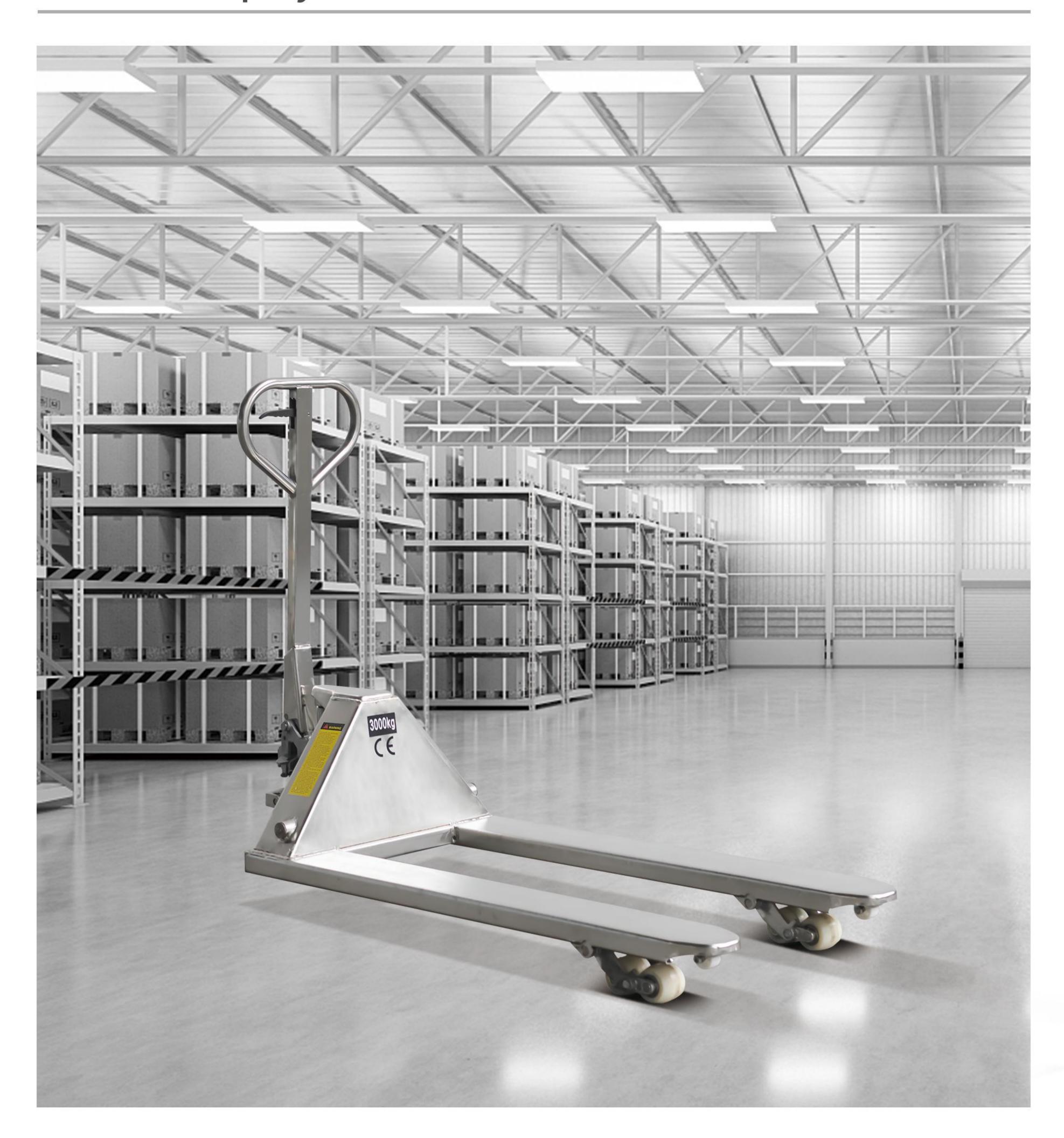
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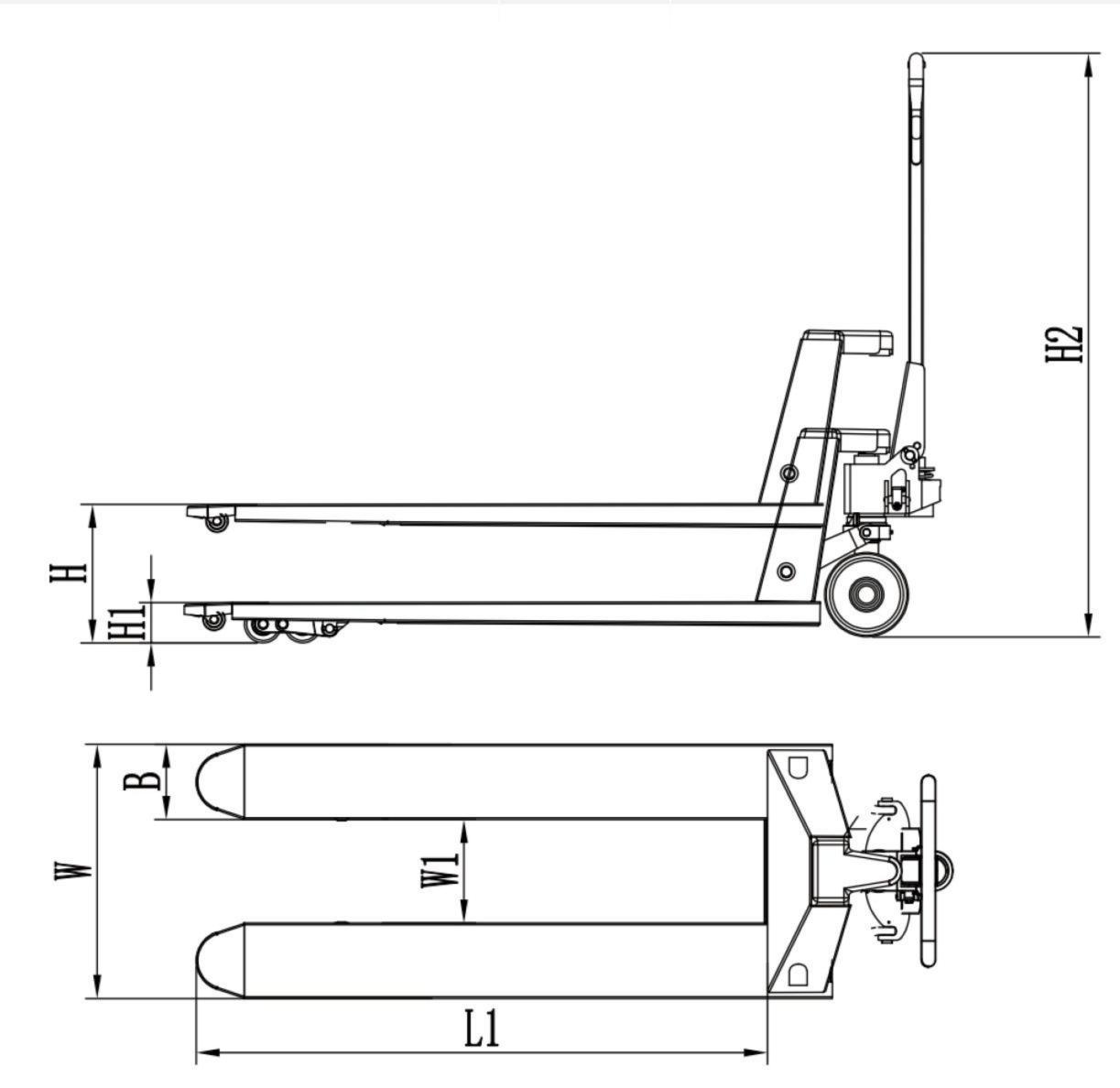
# Product display



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

# BF20-S/BF30-S

Model		BF20-S	BF30-S	
Load capacity	kg	2000	3000	
Min. fork height	H1 (mm)	8	5	
Max.fork height	H (mm)	20	00	
Max. lift height	mm	11	L5	
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)	12	45	
Tire size(single wheel), rear	mm	Ф80	)*93	
Tire size(tandem wheels), rear	mm	Ф80	)*70	
Steering wheel size	mm	Ф18	0*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	



# SHPT20A

SCALE HAND PALLET **TRUCK** 

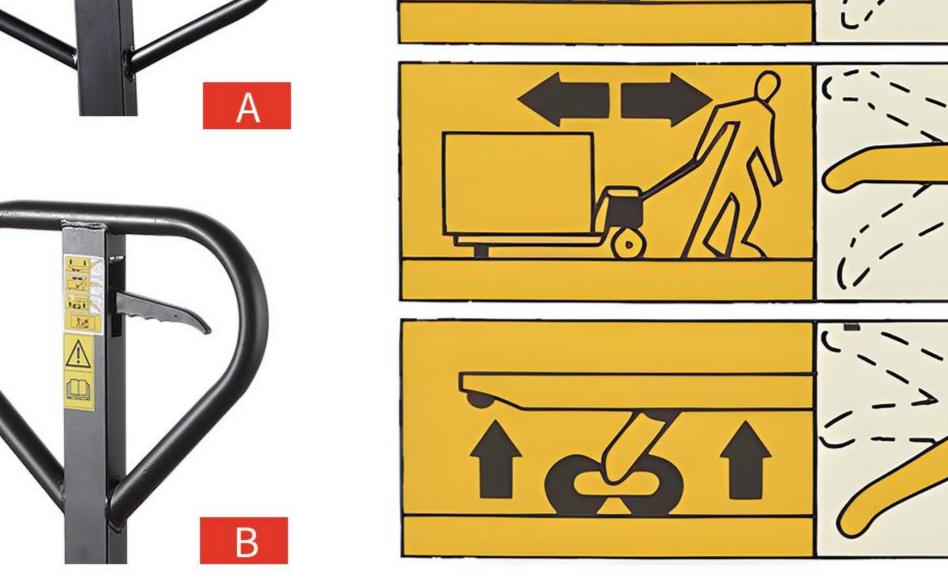
Capacity 2000 KGS

With 4 accurate press sensor cells Accuracy ±0.1%









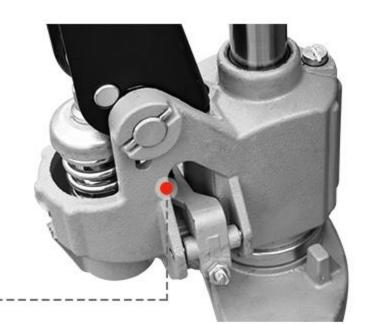
Handle Option

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.

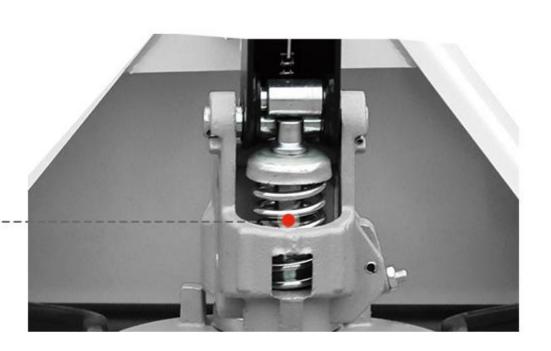
# Sealed oil cylinder

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

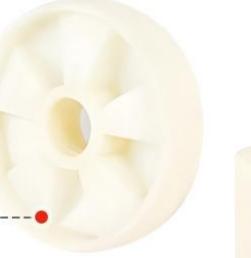
Ideal for delicate floors with hard wearing and non-marking property, quiet and durable.

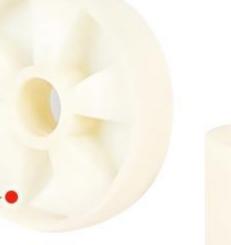




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# Security and stability

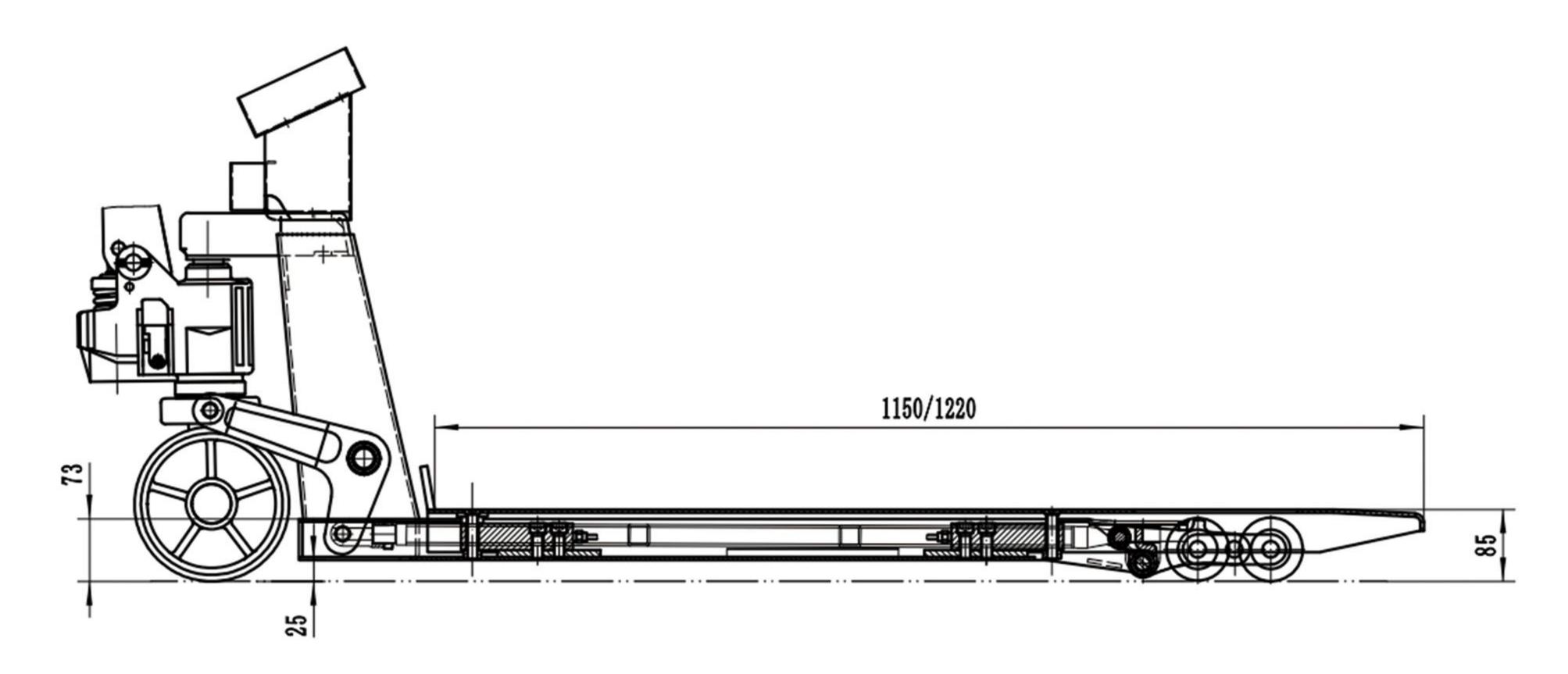
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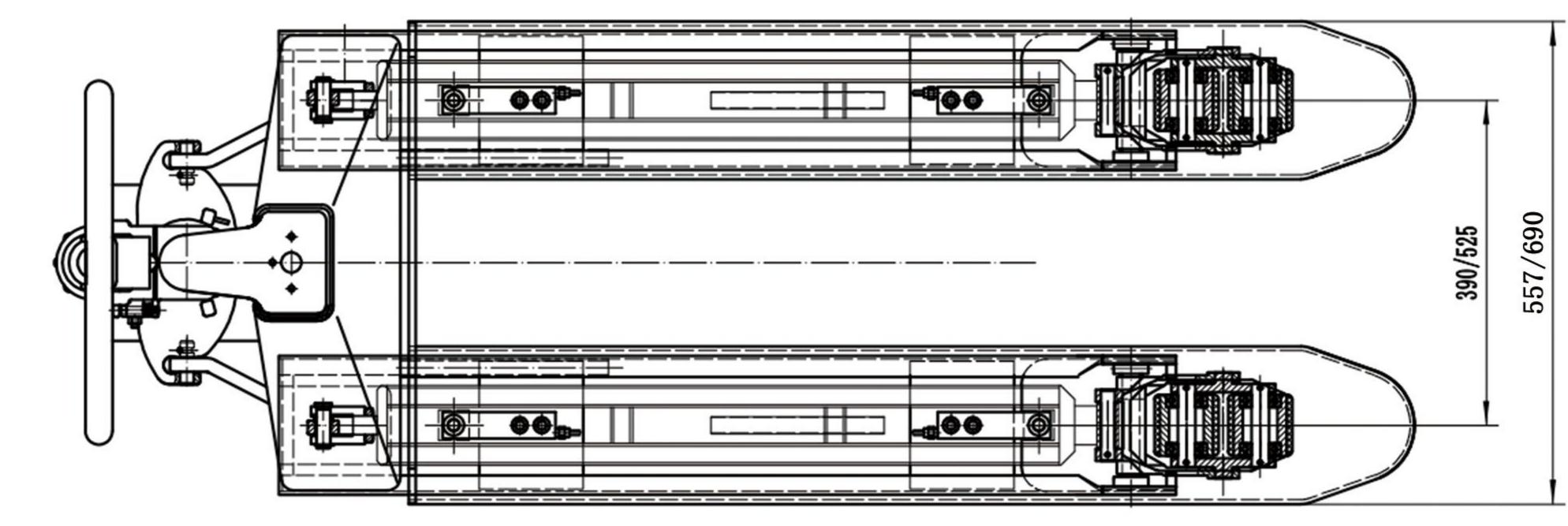
# Product display



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

Model		SHPT20A
Load capacity	kg	2000
Steering wheel	mm	Φ180×50
Single load roller	mm	Ф80×93
Tandem load roller	mm	Ф80×70
Fork height	mm	85-200
Weighing accuracy	%	±0.1
Fork width	mm	557/690
Fork length	mm	1150/1220



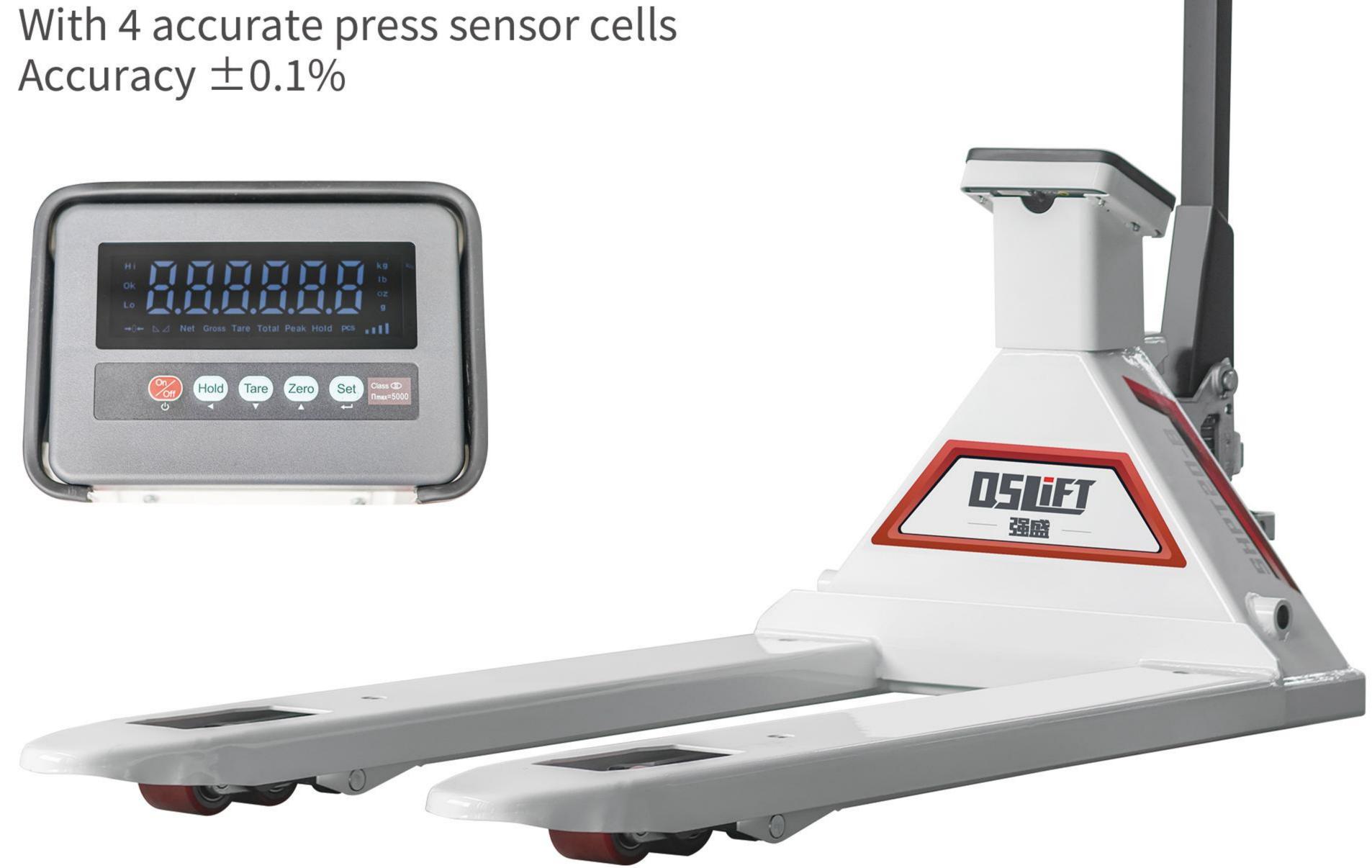


# SHPT20B/SHPT30B SCALE HAND PALLET

**TRUCK** 

Capacity 2000 KGS / 3000KGS

Accuracy ±0.1%









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.

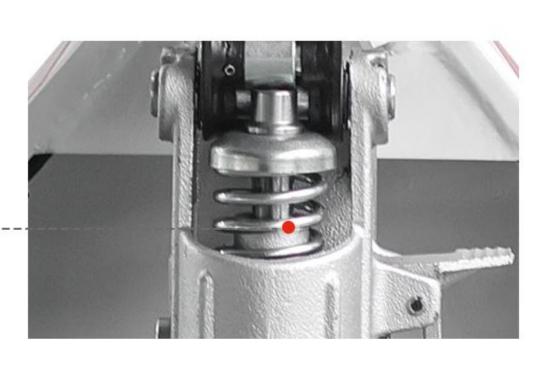
# Sealed oil cylinder

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# Stronger steel spring

Easy rebound and long life.



# Polyurethane

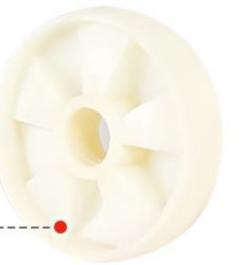
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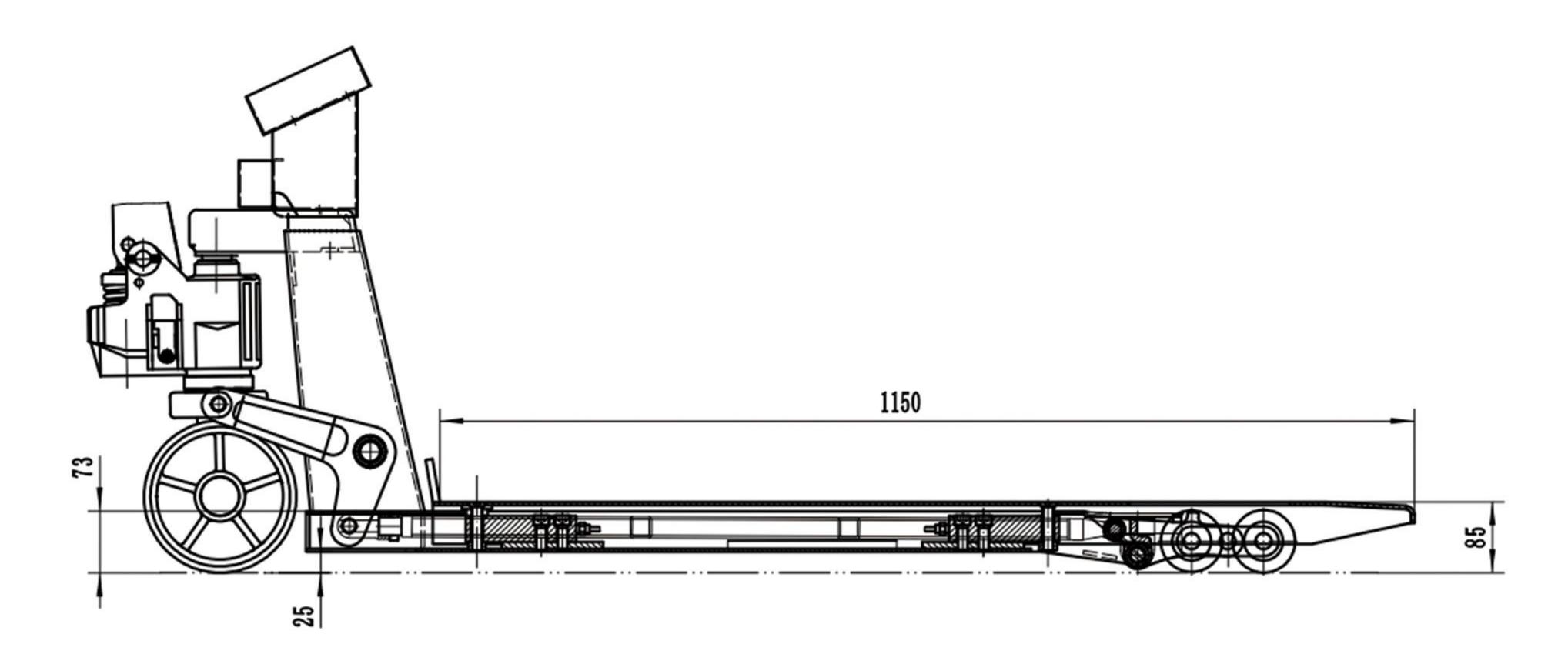
# Product display

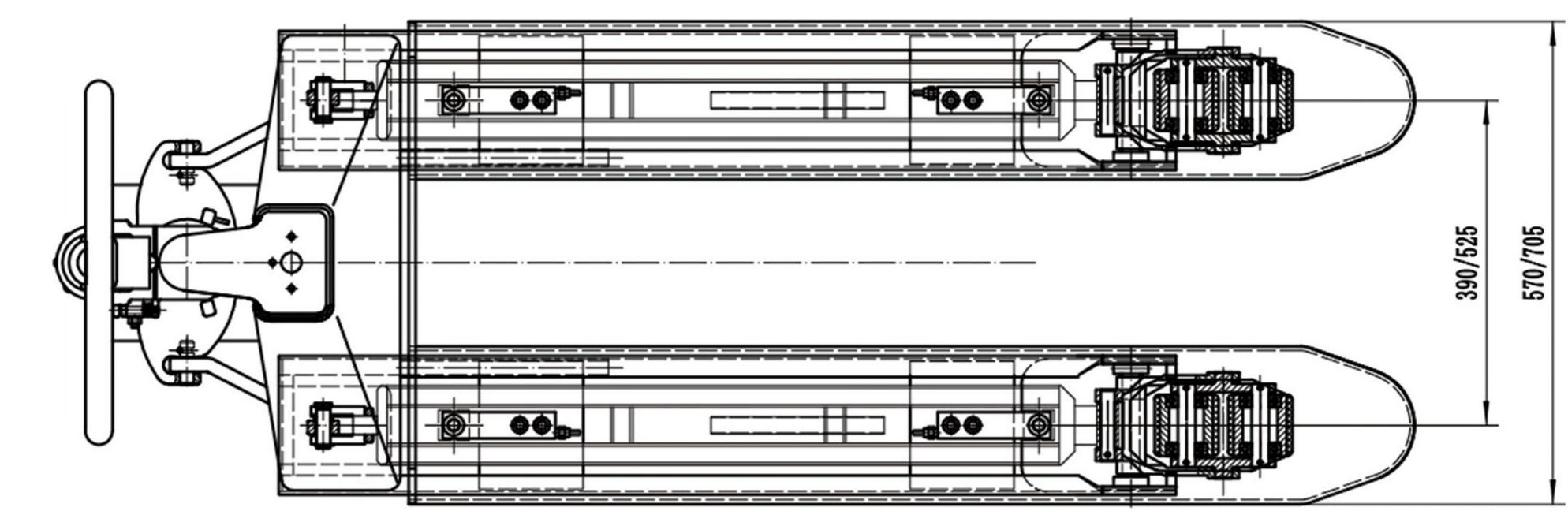


Suitable for long distance transportation inside the warehouse Suitable for logistics companies

# SHPT20B/SHPT30B

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		



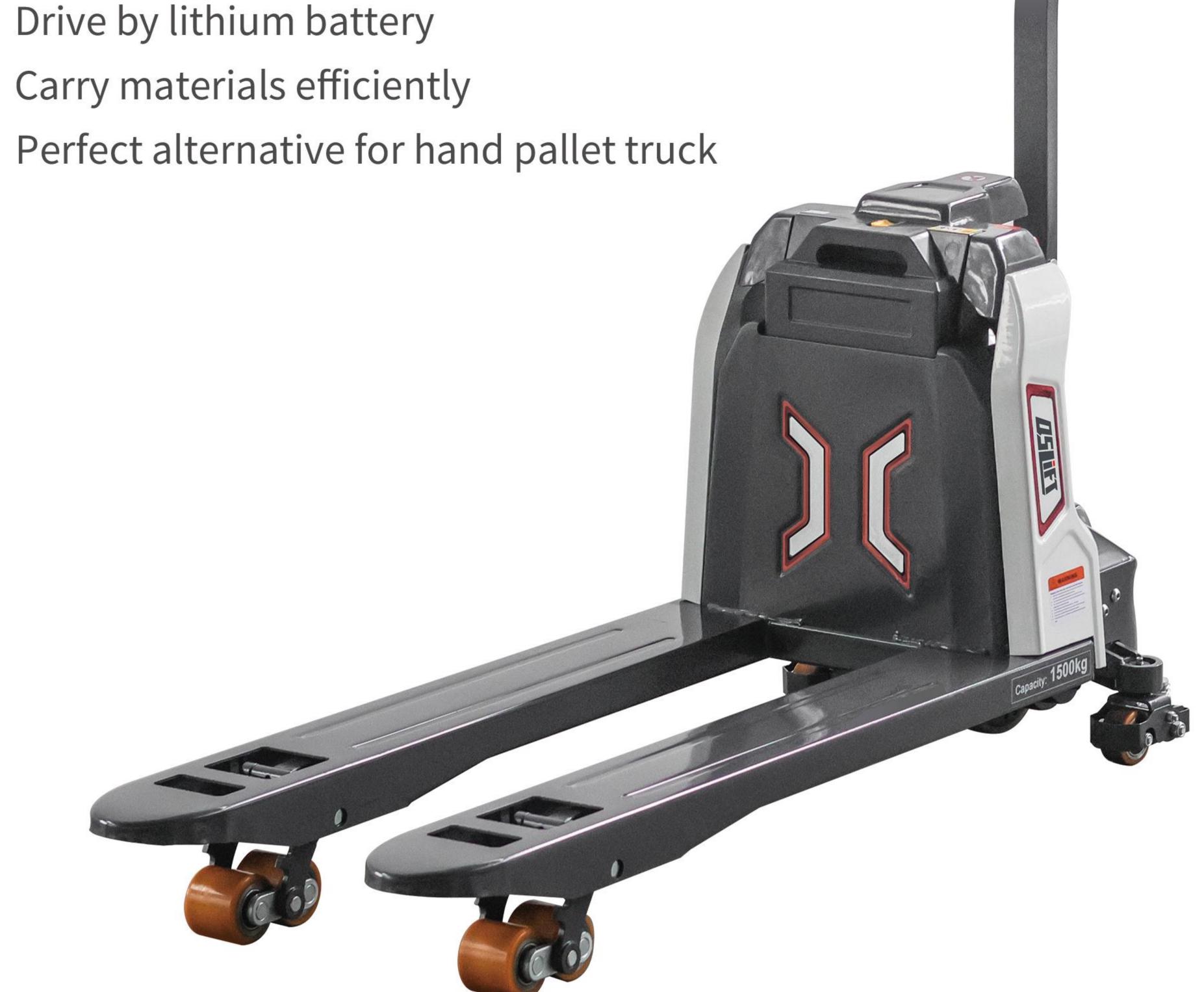


# EPT15V/EPT20V

ELECTRIC PALLET TRUCK

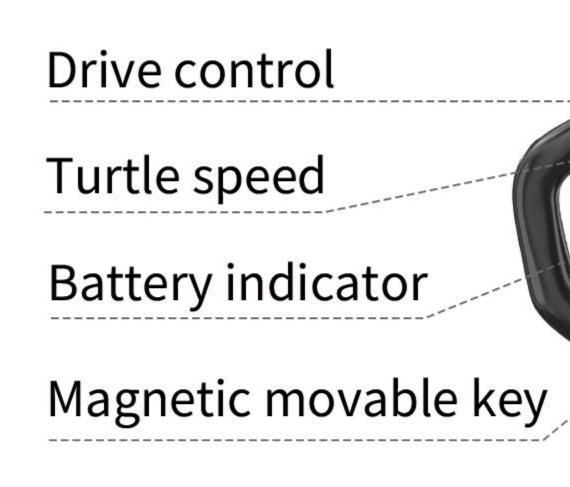
Capacity 1500 KGS / 2000 KGS

Perfect alternative for hand pallet truck





Pin-code handle (For option)



Emergency reverse

Lifting & lowering

Horn



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.

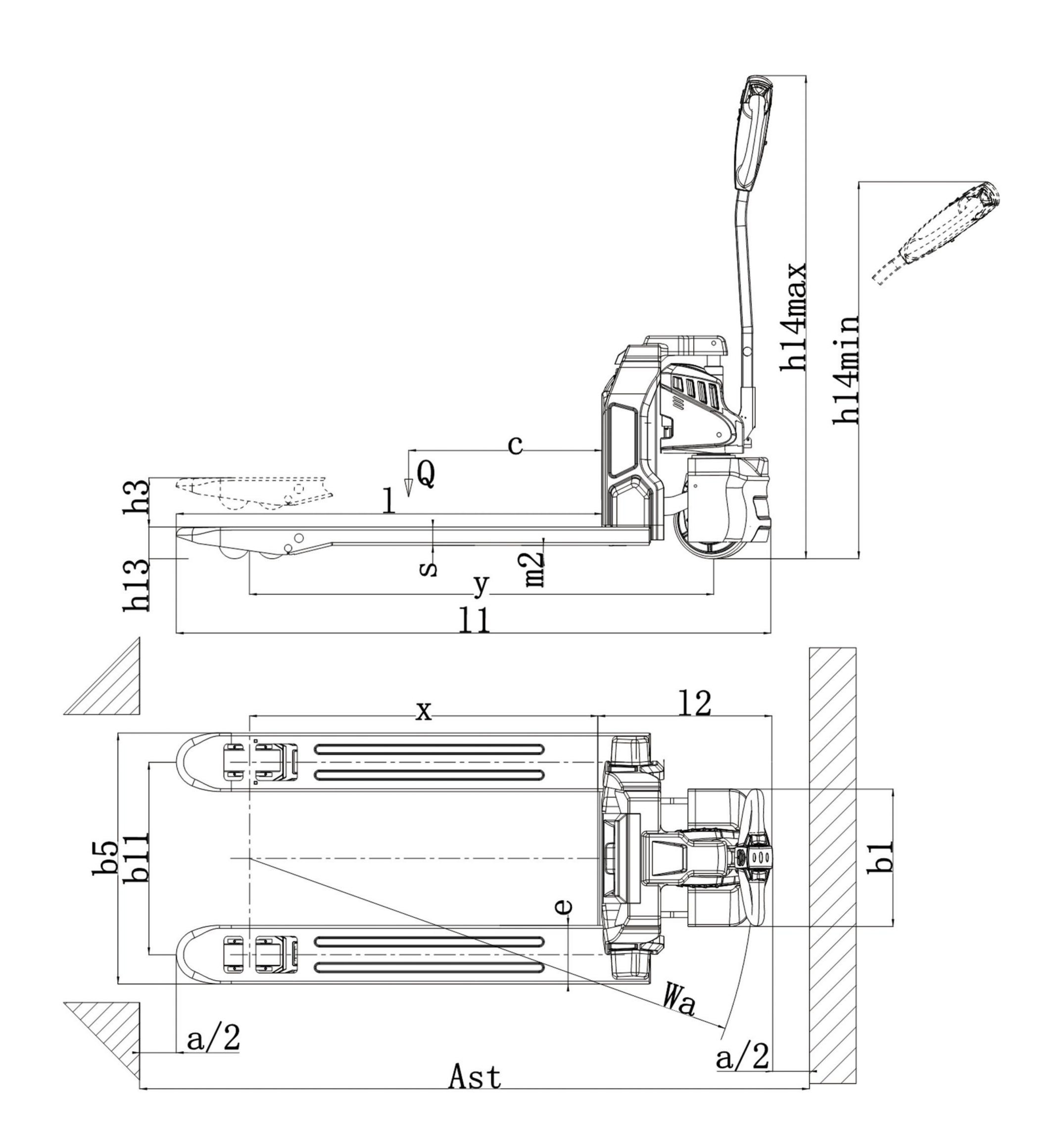


# Intelligent control system

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

# SPECIFICATION

# Technical Specification



# EPI15W/EPI20W

¢.		Manufacturer's type designation		EPT-	-V
돈	1.3	Power(battery,diesel,petrol gas,manual)		Batte	ry
mark	1.4	Operator type		Pedest	rian
Distinguishing	1.5	Load capacity / Rated load	Q(t)	1.5	2.0
luis l	1.6	Load centre distance	C (mm)	600	
ting	1.8	Load distance ,centre of drive axle to fork	X (mm)	950	)
Dis	1.9	Wheelbase	Y (mm)	127	)
ų.	2.1	Service weight	kg	142	145
Weight	2.2	Axle loading, laden front/rear	kg	828/13	326
Š	2.3	Axle loading, unladen front/rear	kg	100/3	4.5
	3.1	Tires		PU	
	3.2	Tire size, front	⊘×w (mm)	ф210>	<75
chassis	3.3	Tire size, rear	⊘×w (mm)	ф80×	70
cha	3.4	Additional wheels(dimensions)	⊘×w (mm)	φ70×	36
Tires,	3.5	Wheels, number front/rear(x=driven wheels)		1x/4	•
F	3.6	Tread, front	b <sub>10</sub> (mm)	\	
	3.7	Tread, rear	b <sub>11</sub> (mm)	390/5	25
	4.4	Lift height	h₃ (mm)	110-115	100
	4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> (mm)	585/12	250
	4.15	Height, lowered	h <sub>13</sub> (mm)	75/8	5
	4.19	Overall length	lı (mm)	1620	
S	4.20	Length to face of forks	l <sub>2</sub> (mm)	470	
Dimensions	4.21	Overall width	b <sub>1</sub> (mm)	550/6	85
nen:	4.22	Fork dimensions	s/e/l (mm)	50/160/	1150
Din	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	550/6	85
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	35	
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	218	2
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	205	2
	4.35	Turning radius	Wa (mm)	138	)
e e	5.1	Travel speed, laden/ unladen	km/h	4.2/4	.5
ıanc	5.2	Lift speed, laden/ unladen	m/s	0.017/0	
formance	5.3	Lowering speed, laden / unladen	m/s	0.04/0	
Per	5.8	Gradeability, laden/ unladen	%	6/10	
	5.10	Service brake		Electromagnetic	
	6.1	Drive motor rating S2 60min	kw	0.75	0.9
ors	6.2	Lift motor rating at S3 10%	kw	0.5	0.8
Motors	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)
in V	6.5	Battery weight (minimum)	kg	5.5	
onal a	6.6	Energy consumption acc. to VDI cycle	KWh/h	\	
Additional data	8.1	Type of drive control		DC speed	control
Ad	8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	© Speed • < 70	
	J. T	Journa level at arriver 3 car acc. to LIV 12033	GD(A)		,

# EPT15 / EPT20

ELECTRIC PALLET TRUCK

Capacity 1500KGS / 2000 KGS Drive by lithium battery

Moves quick and efficient

Perfect alternative to hand pallet truck





Pin-code handle (For option)



### 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



# 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

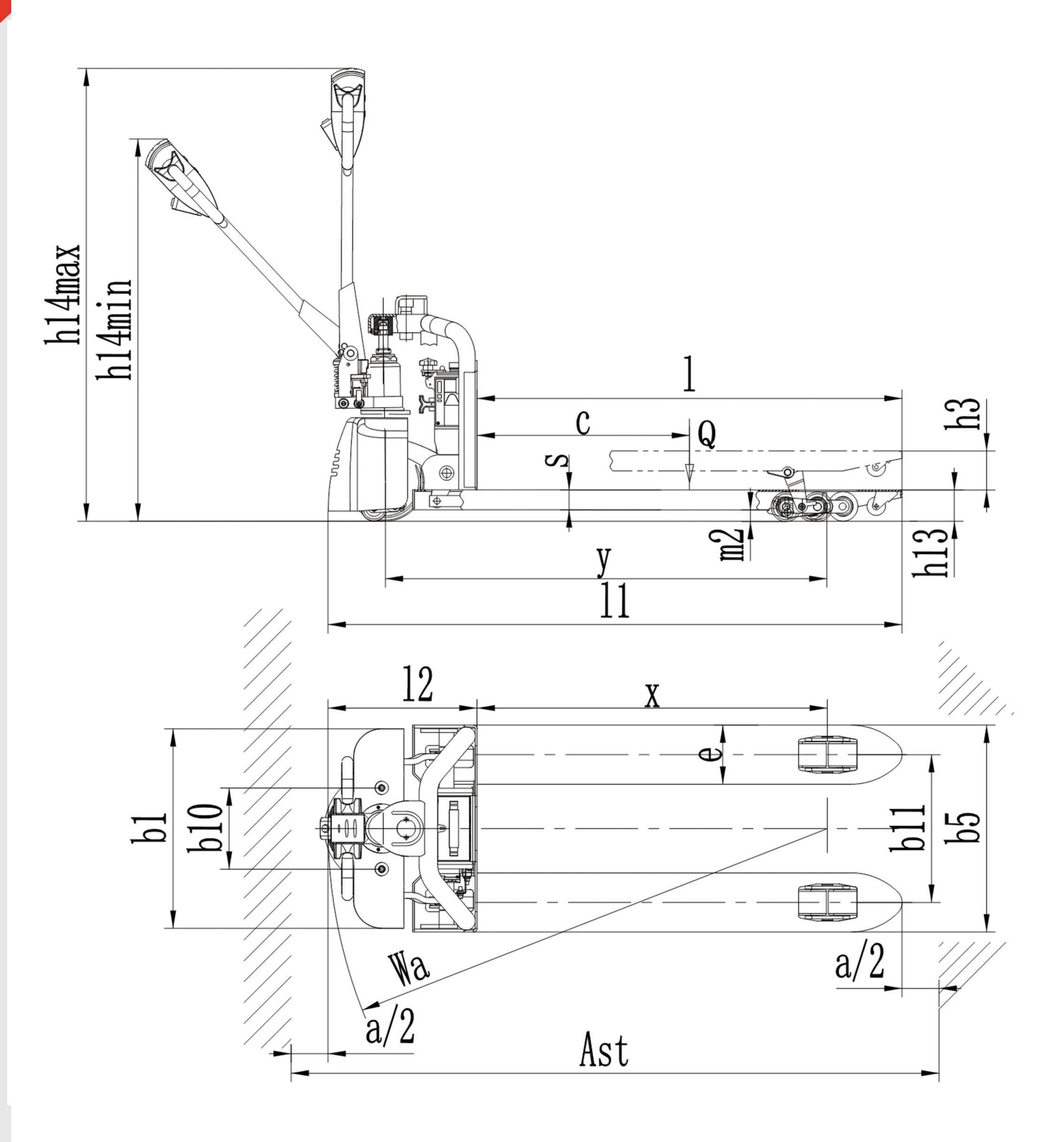
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# Intelligent control system

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# **Technical Specification**



		Manufacturer's type designation		EPT15	EPT20
논	1.3	Power (battery ,diesel, petrol, gas, manual)		Bat	tery
mark	1.4	Operator type		Pede	strian
ing	1.5	Load capacity / Rated load	Q(t)	1.5	2.0
Distinguishing	1.6	Load centre distance	C (mm)	60	00
	1.8	Load distance ,centre of drive axle to fork	X (mm)	950/	1020
Dis	1.9	Wheelbase	y (mm)	1220/1290	1265
يد	2.1	Service weight	kg	155/160	335
Weight	2.2	Axle loading, laden front/rear	kg		\
Ž	2.3	Axle loading, unladen front/rear	kg	,	\
	3.1	Tires		Р	U
24	3.2	Tire size, front	⊘×w (mm)	ф80	×70
chassis	3.3	Tire size, rear	⊘×w (mm)	φ210×70	φ190×70
	3.4	Additional wheels(dimensions)	⊘×w (mm)	ф70	×36
Tires,	3.5	Wheels, number front/rear(x=driven wheels)		1x/4	1x+2/4
F	3.6	Track, front	b10 (mm)		\
	3.7	Track, rear	b11 (mm)	400/520	
	4.4	Lift height	h₃ (mm)	105	
	4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> (mm)	600/1220	
	4.15	Height, lowered	h <sub>13</sub> (mm)	85/75	
	4.19	Overall length	lı (mm)	1560/1630	1620/1630
S	4.20	Length to face of forks	l <sub>2</sub> (mm)	410	458
Dimensions	4.21	Overall width	b1 (mm)	560	/680
nen	4.22	Fork dimensions	s/e/l (mm)	50/160/1150(1220)	
D.	4.25	Distance between fork-arms	b₅ (mm)	560,	/680
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	3	0
	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
	5.1	Travel speed, laden/ unladen	Km/h	4.2,	/4.5
nce	5.2	Lift speed, laden/ unladen	m/s	0.022/0.017	0.035/0.045
rma	5.3	Lowering speed, laden / unladen	m/s	0.026/0.03	0.05/0.04
Performance	5.8	Gradeability, laden/ unladen	%	6/10	5/7
<u>~</u>	5.10	Service brake		Electron	nagnetic
	6.1	Drive motor rating S2 60min	kw	0.75	0.85
	6.2	Lift motor rating at S3 10%	kw	0	.5
Motors	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		\
onal a	8.1	Type of drive control		DC speed	d control
Additional data	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	•	9

ELECTRIC PALLET TRUCK

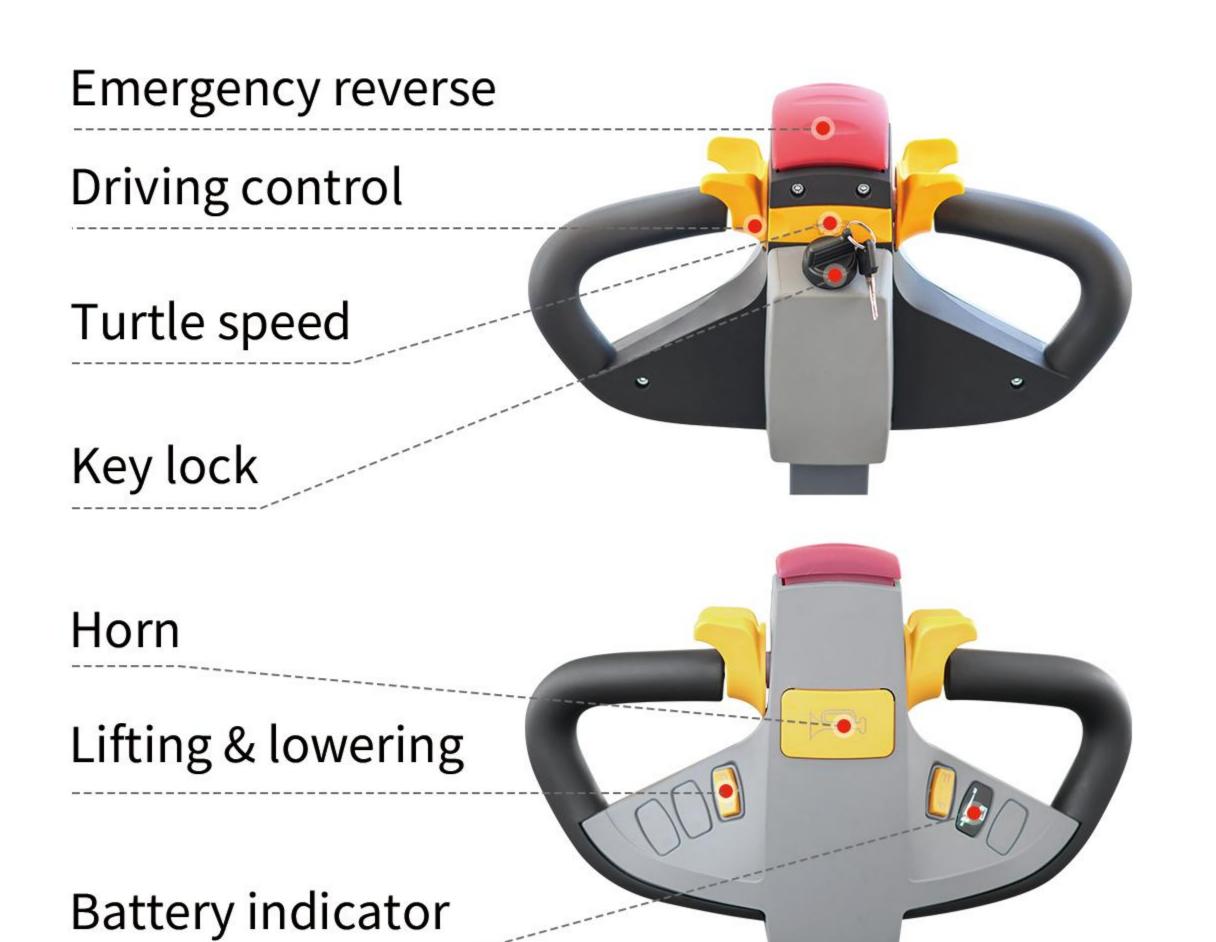
Capacity 1500 KGS

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

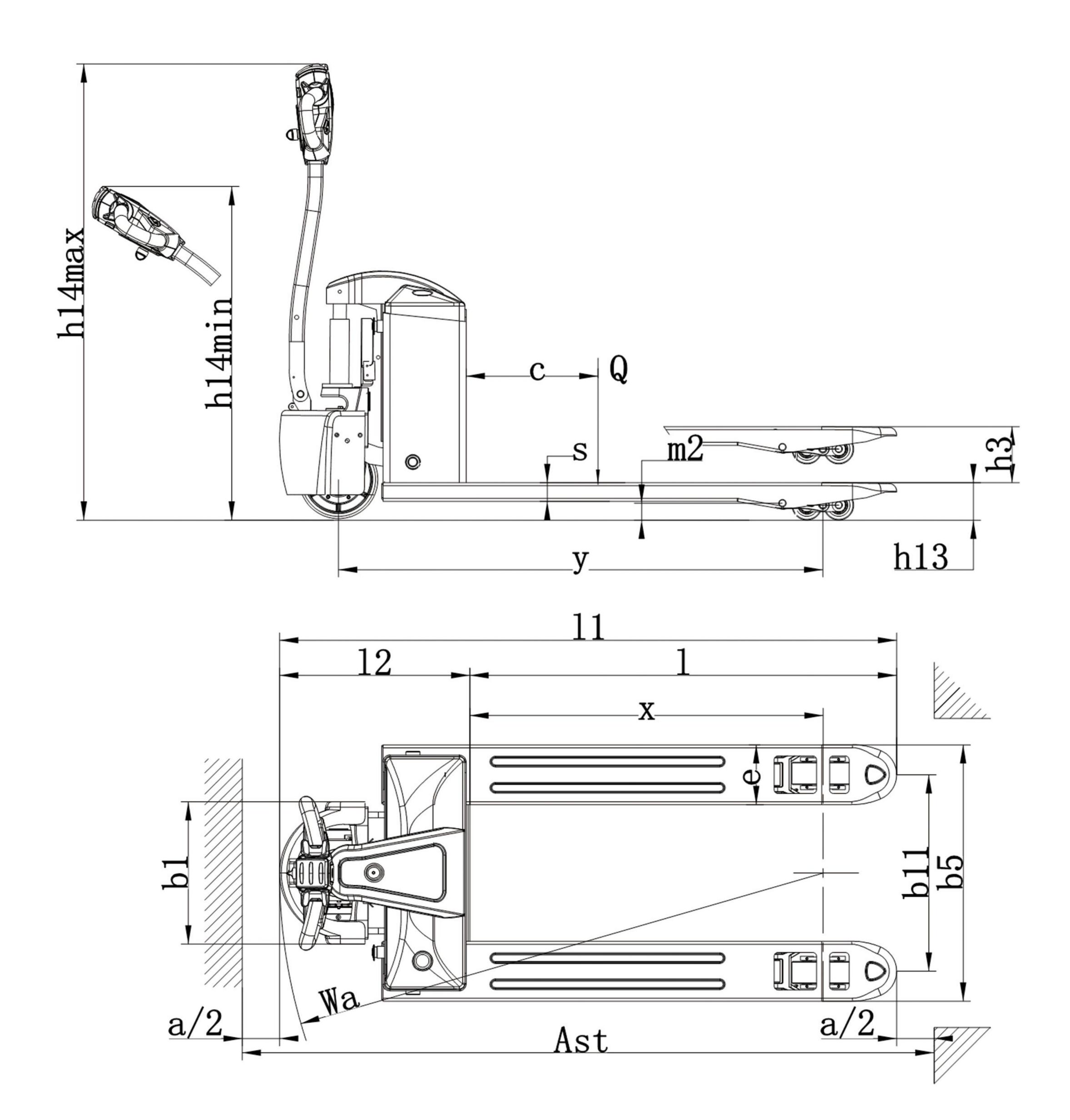
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

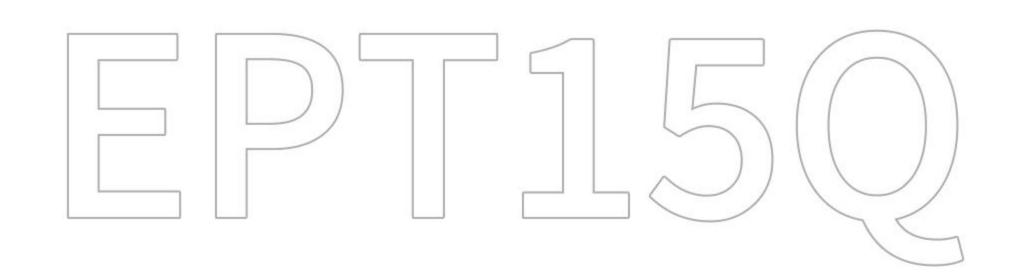


# Intelligent control system

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

# Technical Specification





		Manufacturer's type designation		EPT15Q
	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
mark	1.4	Operator type		Pedestrian
	1.5	Load capacity / Rated load	Q(t)	1.5
Distinguishing	1.6	Load centre distance	C (mm)	600
ingu	1.8	Load distance, centre of drive axle to fork	X (mm)	944
Dist	1.9	Wheelbase	y (mm)	1294
0	2.1	Service weight	kg	193
Weight	2.2	Axle loading, laden front/rear	kg	588/1111
We	2.3	Axle loading, unladen front/rear	kg	145/43
	3.1	Tires		PU
	3.2	Tire size, front	Ø×w (mm)	φ210×75
ssis	3.3	Tire size, rear	Ø×w (mm)	φ80×70
chassis	3.4	Additional wheels(dimensions)	Ø×w (mm)	\
Tires,	3.5	Wheels, number front/rear(x=driven wheels)		1x/4
Ē	3.6	Track, front	b <sub>10</sub> (mm)	\
	3.7	Track, rear	b <sub>11</sub> (mm)	390/525
	4.4	Lift height	h <sub>3</sub> (mm)	105
	4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> (mm)	585/1220
	4.15	Height, lowered	h <sub>13</sub> (mm)	75/85
	4.19	Overall length	l <sub>1</sub> (mm)	1648
10	4.20	Length to face of forks	l <sub>2</sub> (mm)	508
Dimensions	4.21	Overall width	b <sub>1</sub> (mm)	560/685
ens	4.22	Fork dimensions	s/e/l (mm)	50/160/1150
Din	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	550/685
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
	5.1	Travel speed, laden/ unladen	Km/h	4.2/4.5
nce	5.2	Lift speed, laden/ unladen	m/s	0.02/0.023
ormance	5.3	Lowering speed, laden / unladen	m/s	0.06/0.058
Perfo	5.8	Gradeability, laden/ unladen	%	6/10
ď	5.10	Service brake		Electromagnetic
	6.1	Drive motor rating S2 60min	kw	0.75
	6.2	Lift motor rating at S3 10%	kw	0.8
ors	6.3	Battery acc. to DIN 43531 /35 / 36 A, B, C, no		
Motors	6.4	Battery voltage, nominal capacity K5	V/Ah	12/75×2
A	6.5	Battery weight (minimum)	kg	18.8×2
	6.6	Energy consumption acc: to VDI cycle	KWh/h	
onal	8.1	Type of drive control		DC speed control
Additional data	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	≤70
31				

# EPT20Q

# ELECTRIC PALLET TRUCK

Capacity 2000 KGS

Battery maintenance-free Easy and fast charging

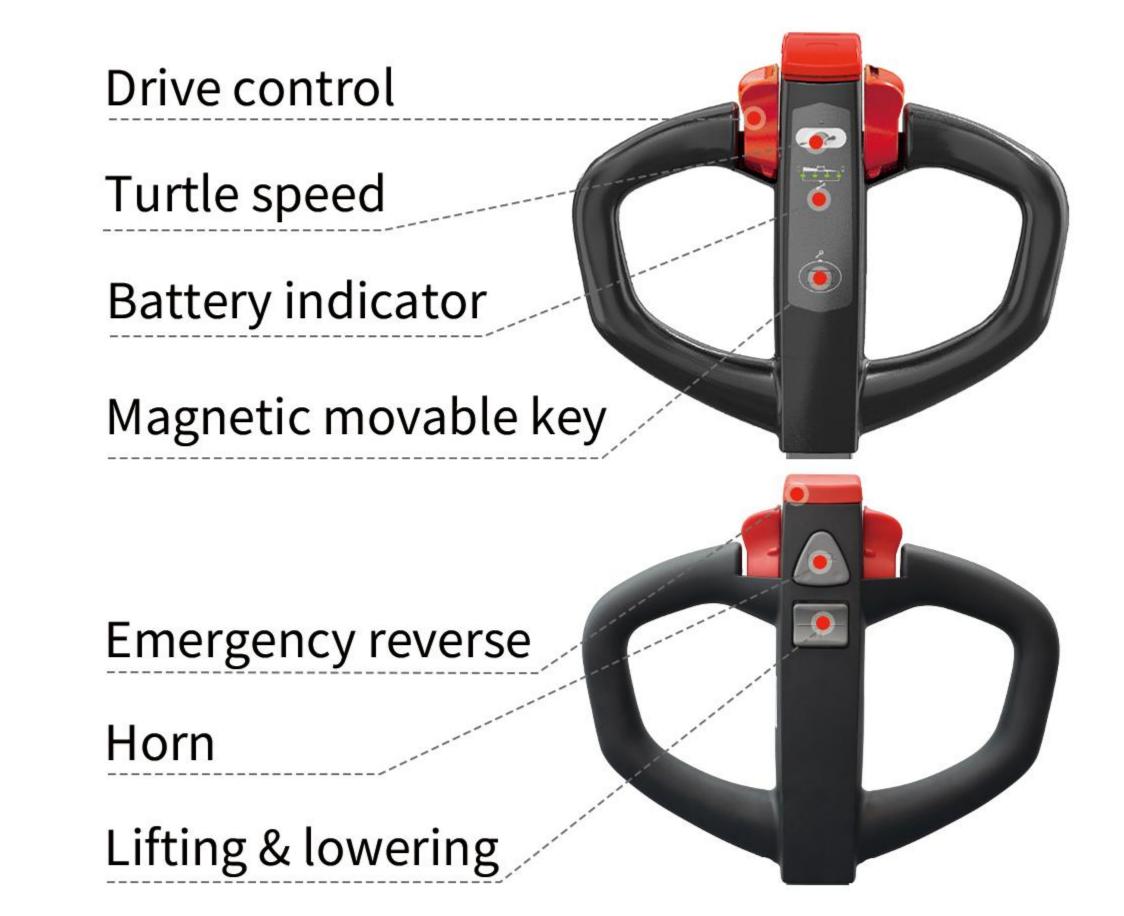
Robust and durable frame and chassis

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

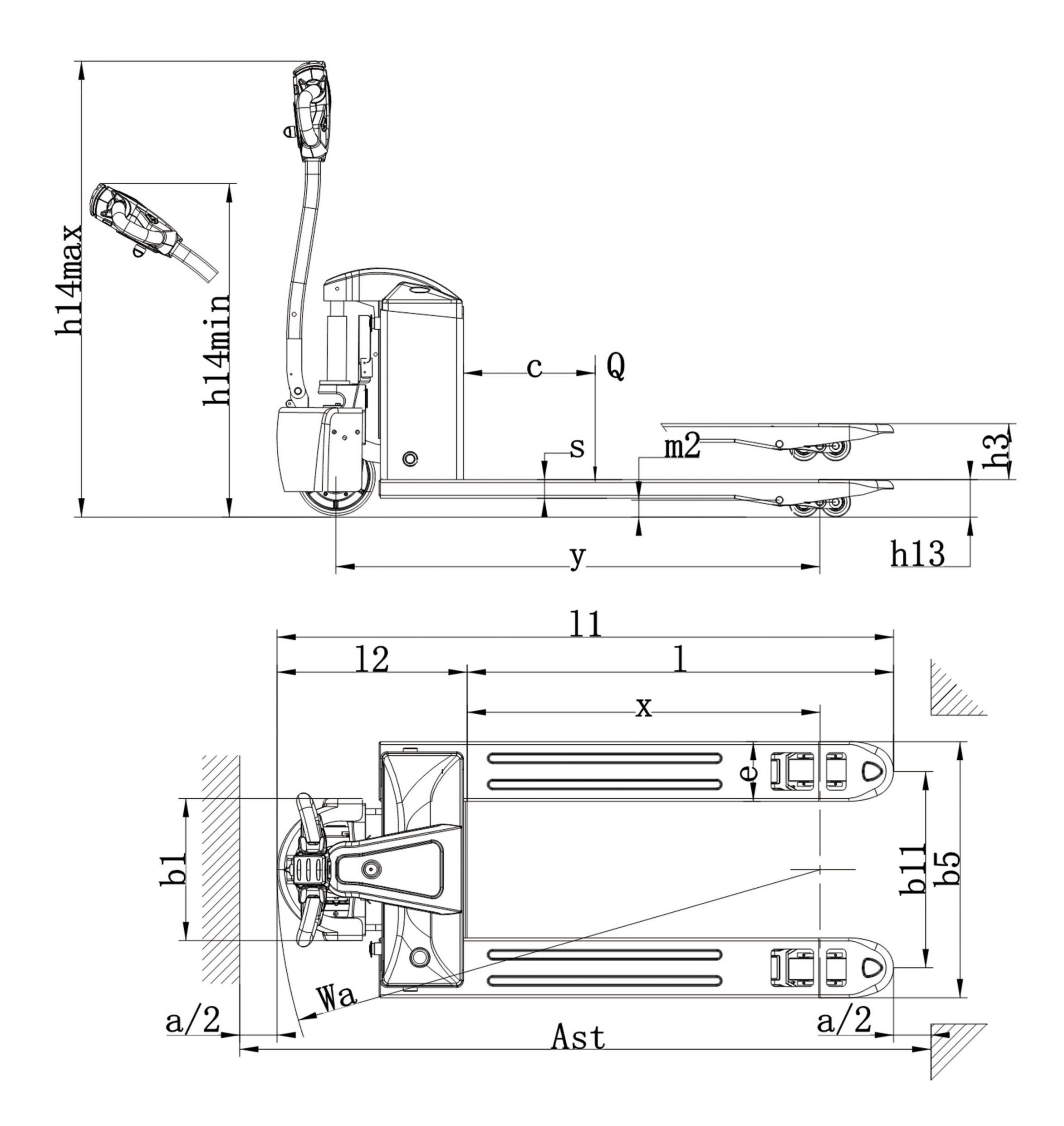
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.



# Intelligent control system

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

# Technical Specification

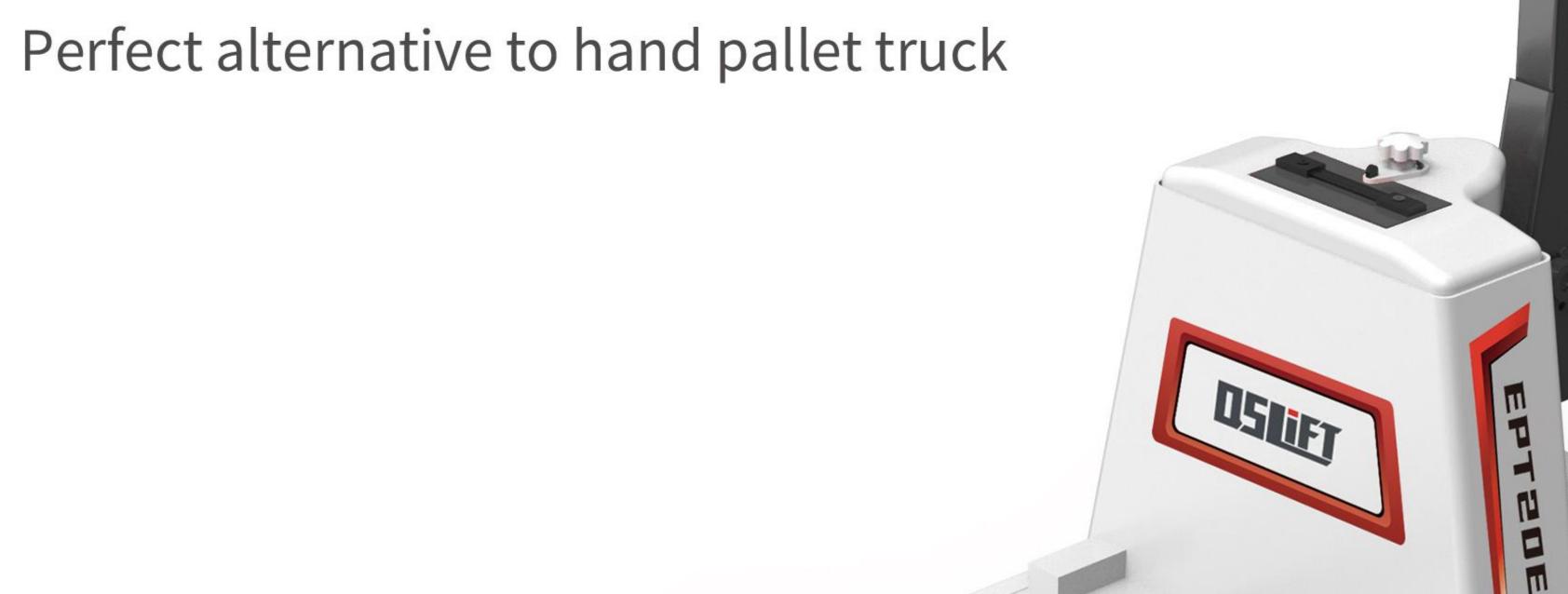


	4	Manufacturer's type designation		EPT20Q		
Ŧ	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery		
mark	1.4	Operator type		Pedestrian		
hing	1.5	Load capacity / Rated load	Q(t)	2.0		
guis	1.6	Load centre distance	C (mm)	600		
Distinguishing	1.8	Load distance ,centre of drive axle to fork	X (mm)	944		
Ä	1.9	Wheelbase	y (mm)	1294		
Ħ	2.1	Service weight	kg	196(Lead acaid battery)	152(Li ion battery)	
Weight	2.2	Axle loading, laden front/rear	kg	820/1331		
3	2.3	Axle loading, unladen front/rear	kg	114/34		
	3.1	Tires		PU		
S	3.2	Tire size, front	⊘×w (mm)	φ210×75		
chassis	3.3	Tire size, rear	⊘×w (mm)	φ80×70		
, chi	3.4	Additional wheels(dimensions)	⊘×w (mm)	\		
Tires,	3.5	Wheels, number front/rear(x=driven wheels)		1x/4		
H	3.6	Track, front	b <sub>10</sub> (mm)	\		
	3.7	Track, rear	b11 (mm)	390/525		
	4.4	Lift height	h₃ (mm)	105		
	4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> (mm)	585/1220		
	4.15	Height, lowered	h <sub>13</sub> (mm)	75/85		
	4.19	Overall length	lı (mm)	1648		
SI	4.20	Length to face of forks	l <sub>2</sub> (mm)	508		
Dimensions	4.21	Overall width	b1 (mm)	560/685		
men	4.22	Fork dimensions	s/e/l (mm)	50/160/1150	)	
Ē	4.25	Distance between fork-arms	b5 (mm)	550/685		
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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		
	5.1	Travel speed, laden/ unladen	Km/h	4.6/4.7		
rmance	5.2	Lift speed, laden/ unladen	m/s	0.021/0.03		
	5.3	Lowering speed, laden / unladen	m/s	0.06/0.04		
Perfo	5.8	Gradeability, laden/ unladen	%	6/10		
-	5.10	Service brake		Electromagnetic		
	6.1	Drive motor rating S2 60min	kw	0.9		
	6.2	Lift motor rating at S3 10%	kw	0.8		
ors	6.3	Battery acc. to DIN 43531 /35 / 36 A, B, C, no		\		
Motors	6.4	Battery voltage, nominal capacity K5	V/Ah	12/47×4(24-hour clock)(Lead acaid battery)	48/20(Li ion battery)	
	6.5	Battery weight (minimum)	kg	10.5×4	7	
	6.6	Energy consumption acc: to VDI cycle	KWh/h			
onal	8.1	Type of drive control		DC speed cont	rol	
Additional data	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	≤70		

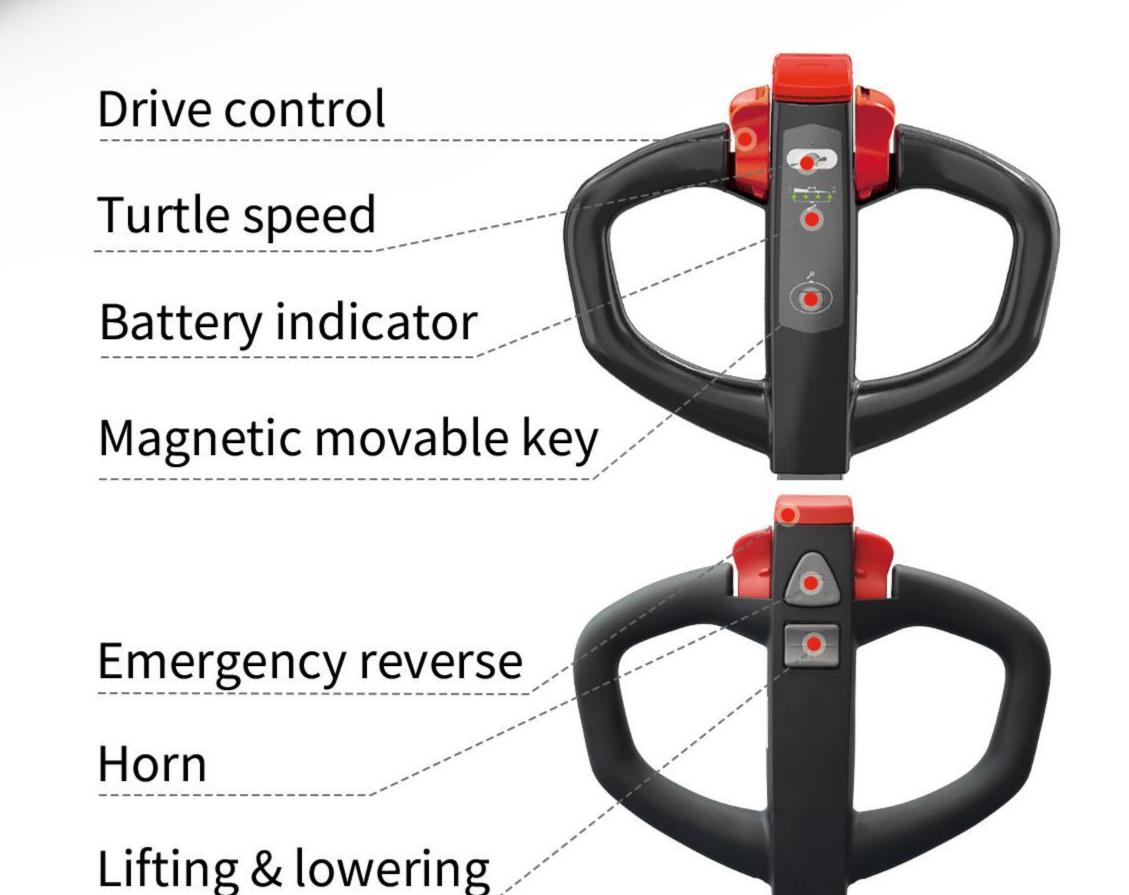
ELECTRIC PALLET TRUCK

Capacity 2000 KGS / 2500 KGS Drive by lithium battery

Moves quick and efficient



Pin-code handle (For option)



### 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

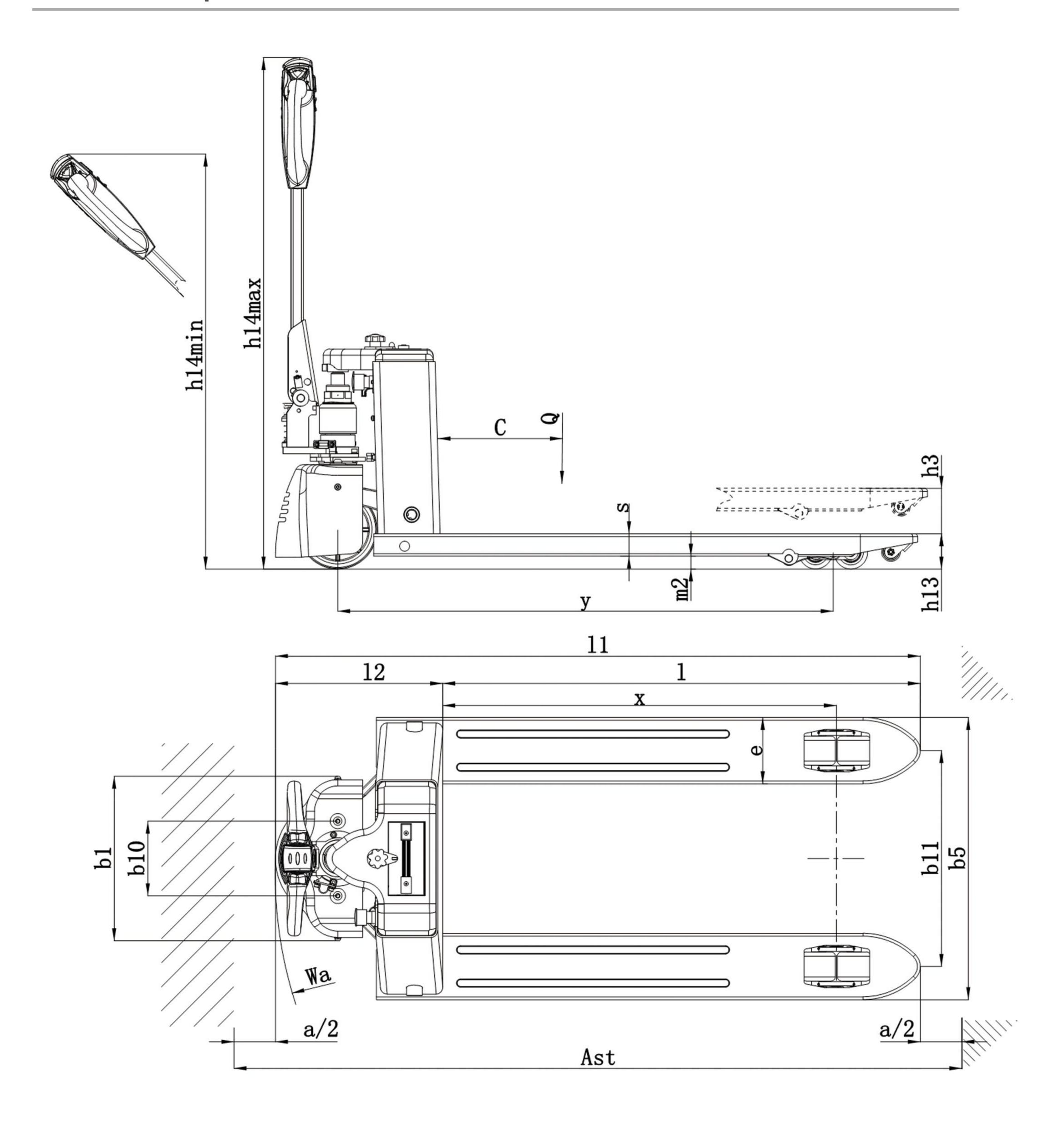
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.



# Intelligent control system

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

# Technical Specification



		Manufacturer's type designation		EPT20E	EPT25E
<u>*</u>	1.3	Power (battery ,diesel, petrol, gas, manual)		Batt	ery
mark	1.4	Operator type		Pedes	trian
	1.5	Load capacity / Rated load	Q(t)	2.0	2.5
nish	1.6	Load centre distance	C (mm)	600	
Distinguishing	1.8	Load distance ,centre of drive axle to fork	X (mm)	950/1020	
Dis	1.9	Wheelbase	y (mm)	1200/1270	
	2.1	Service weight	kg	12	0
Weight	2.2	Axle loading, laden front/rear	kg	882/1357	
Š	2.3	Axle loading, unladen front/rear	kg	88/	32
	3.1	Tires		Pl	J
	3.2	Tire size, front	⊘×w (mm)	ф190	×70
chassis	3.3	Tire size, rear	⊘×w (mm)	ф80	×70
cha	3.4	Additional wheels(dimensions)	⊘×w (mm)	\	
Tires,	3.5	Wheels, number front/rear(x=driven wheels)		1x,	/4
	3.6	Track, front	b10 (mm)	\	
	3.7	Track, rear	b11 (mm)	400/520	
	4.4	Lift height	h₃ (mm)	11	0
	4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> (mm)	600/1200	
	4.15	Height, lowered	h <sub>13</sub> (mm)	75/	85
	4.19	Overall length	lı (mm)	1560	
SI	4.20	Length to face of forks	l <sub>2</sub> (mm)	41	0
sior	4.21	Overall width	b1 (mm)	560/680 50/160/1150 (1220)	
Dimensions	4.22	Fork dimensions	s/e/l (mm)		
Ē	4.25	Distance between fork-arms	b₅ (mm)	560/680	
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
40	5.1	Travel speed, laden/ unladen	Km/h	4.2/	4.5
ance	5.2	Lift speed, laden/ unladen	m/s	0.025/	0.035
ormance	5.3	Lowering speed, laden / unladen	m/s	0.035/0.030	
Perfc	5.8	Gradeability, laden/ unladen	%	6/10	
ed Co.	5.10	Service brake		Electromagnetic	
	6.1	Drive motor rating S2 60min	kw	0.85	
	6.2	Lift motor rating at S3 10%	kw	0.5	0.8
ors	6.3	Battery acc. to DIN 43531 /35 / 36 A, B, C, no		\	
Motors	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	l control
Addır da	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	≤7	70

# EPT20ES

SCALE ELECTRIC PALLET TRUCK

Capacity 2000 KGS

Drive by lithium battery

With 4 accurate press sensor cells Accuracy  $\pm 0.1\%$ 

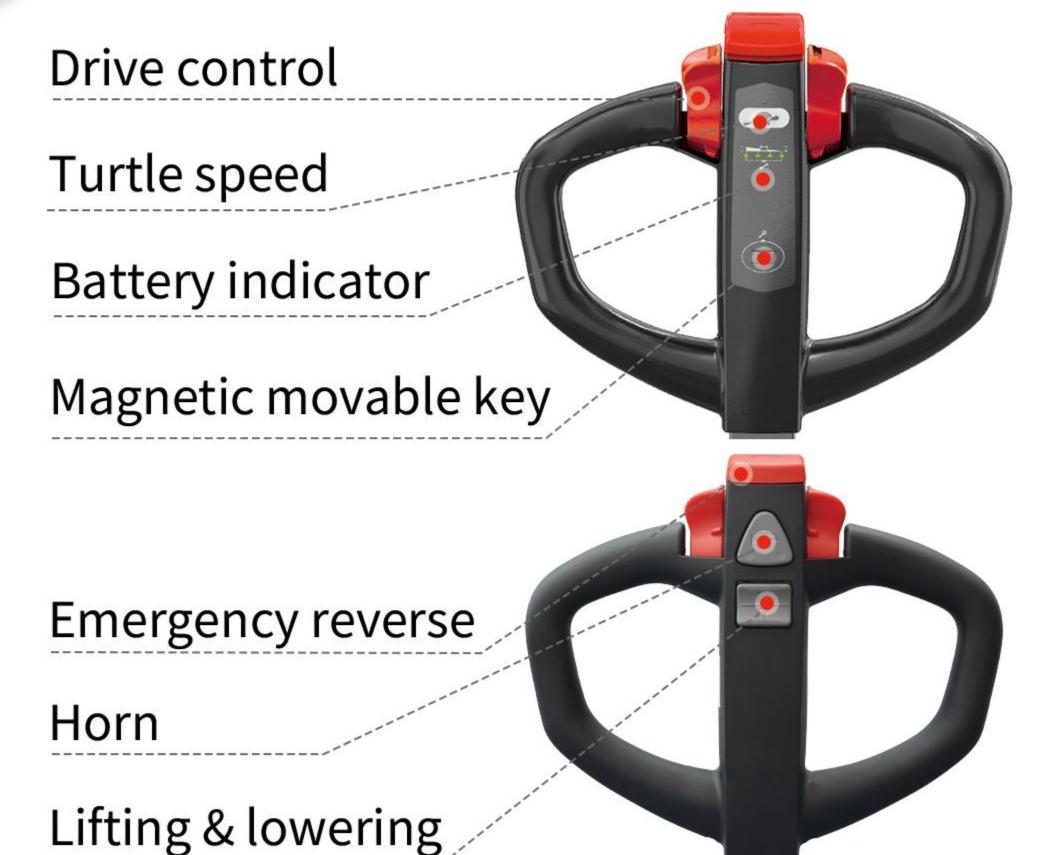
Quick move and quick weighing







Pin-code handle (For option)



OSLIFT 强度

### 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.

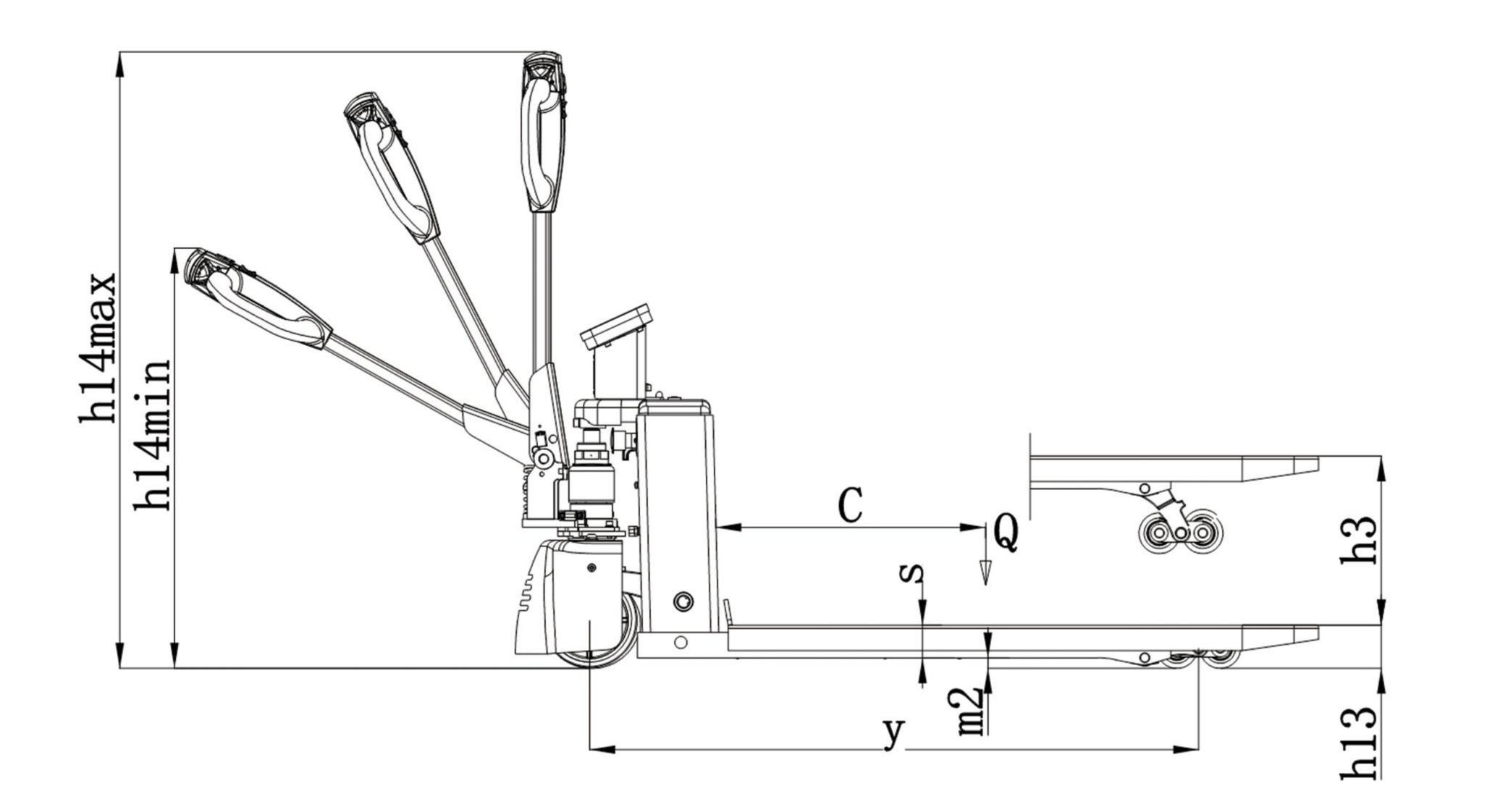


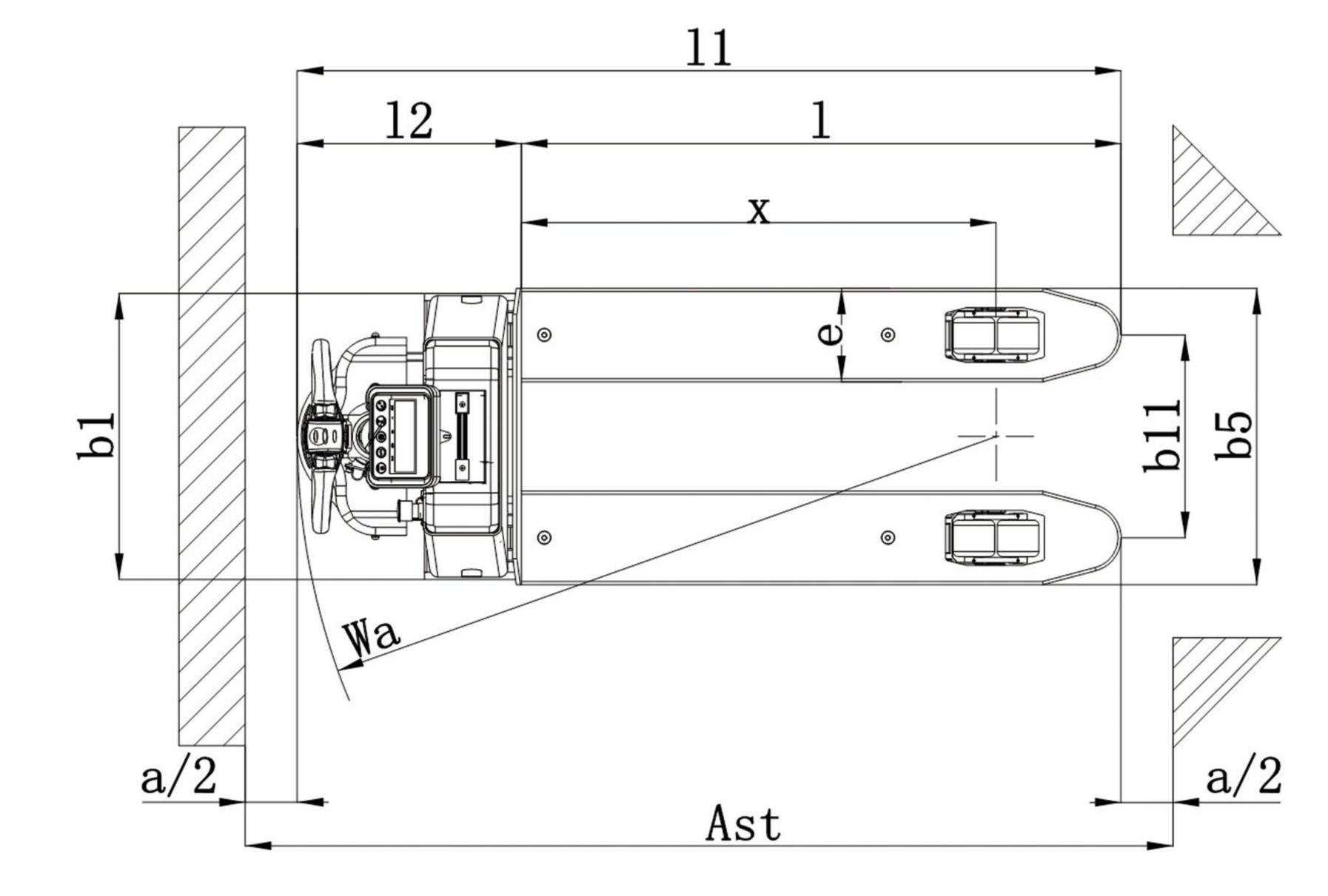
# Intelligent control system

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

# SPECIFICATION

# Technical Specification





	Manufacturer's type designation		EPT-ES
<b>논</b> 1.3	Power(battery,diesel,petrol gas,manual)		Battery
1.3 1.4	Operator type		Pedestrian
1.5 1.6 1.8 1.9	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
2.1	Service weight	kg	172
2.1 2.2	Axle loading, laden front/rear	kg	\
2.3	Axle loading, unladen front/rear	kg	\
3.1	Tires		Polyester iron core
3.2	Tire size, front	⊘×w (mm)	φ190×70
3.3 3.4	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 <sub>10</sub> (mm)	\
3.7	Tread, rear	b <sub>11</sub> (mm)	390/510
4.4	Lift height	h₃ (mm)	110
4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> (mm)	600/1200
4.15	Height, lowered	h <sub>13</sub> (mm)	85
4.19	Overall length	lı (mm)	1540
4.20	Length to face of forks	l <sub>2</sub> (mm)	395
4.20 4.21 4.22 4.25	Overall width	b1 (mm)	570/690
4.22	Fork dimensions	s/e/l (mm)	60/180/1150 (1220)
4.25	Distance between fork-arms	b <sub>5</sub> (mm)	570/690
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
g 5.1	Travel speed, laden/ unladen	km/h	4.2/4.5
5.1 5.2 5.3	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
6.1	Drive motor rating S2 60min	kw	0.85
6.2	Lift motor rating at S3 10%	kw	0.5
6.2 6.3	Battery acc. to DIN 43531 /35 / 36 A, B, C, no		\
6.4	Battery voltage, nominal capacity K5	V/Ah	48/15
6.5	Battery weight (minimum)	kg	4.5
6.6	Energy consumption acc. to VDI cycle	KWh/h	\
o.5 data data 8.1	Type of drive control		DC speed control
8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	67

# 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)



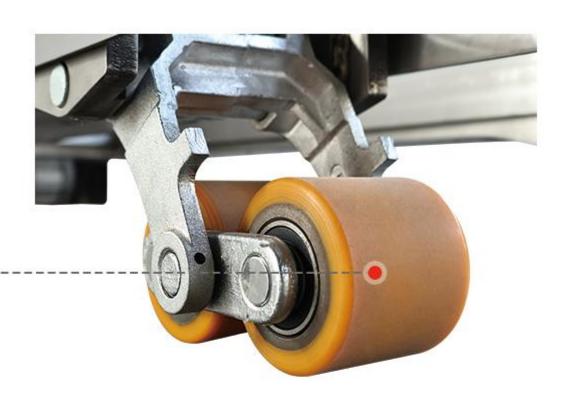
### 3 mm thickness motor cover

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.

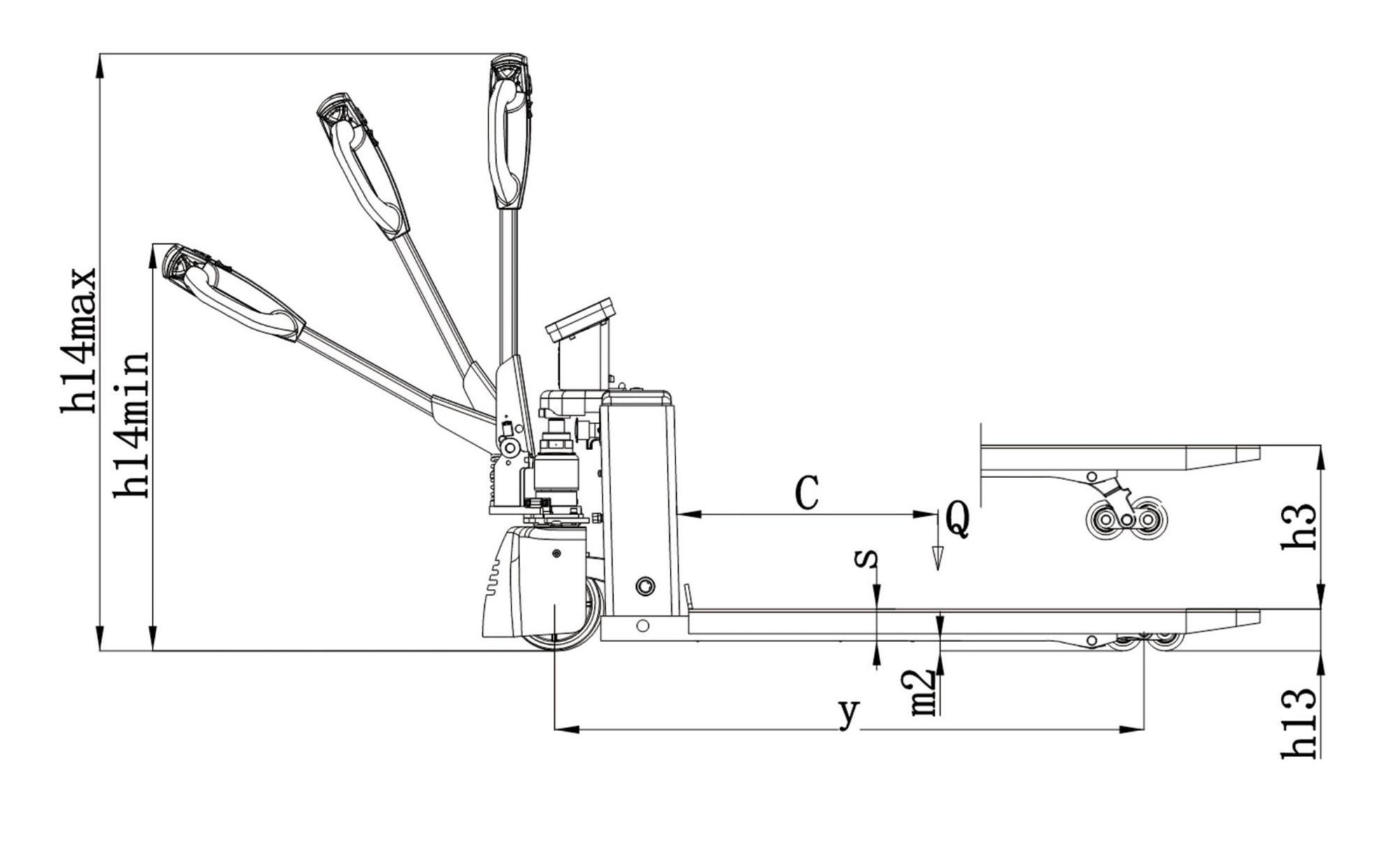


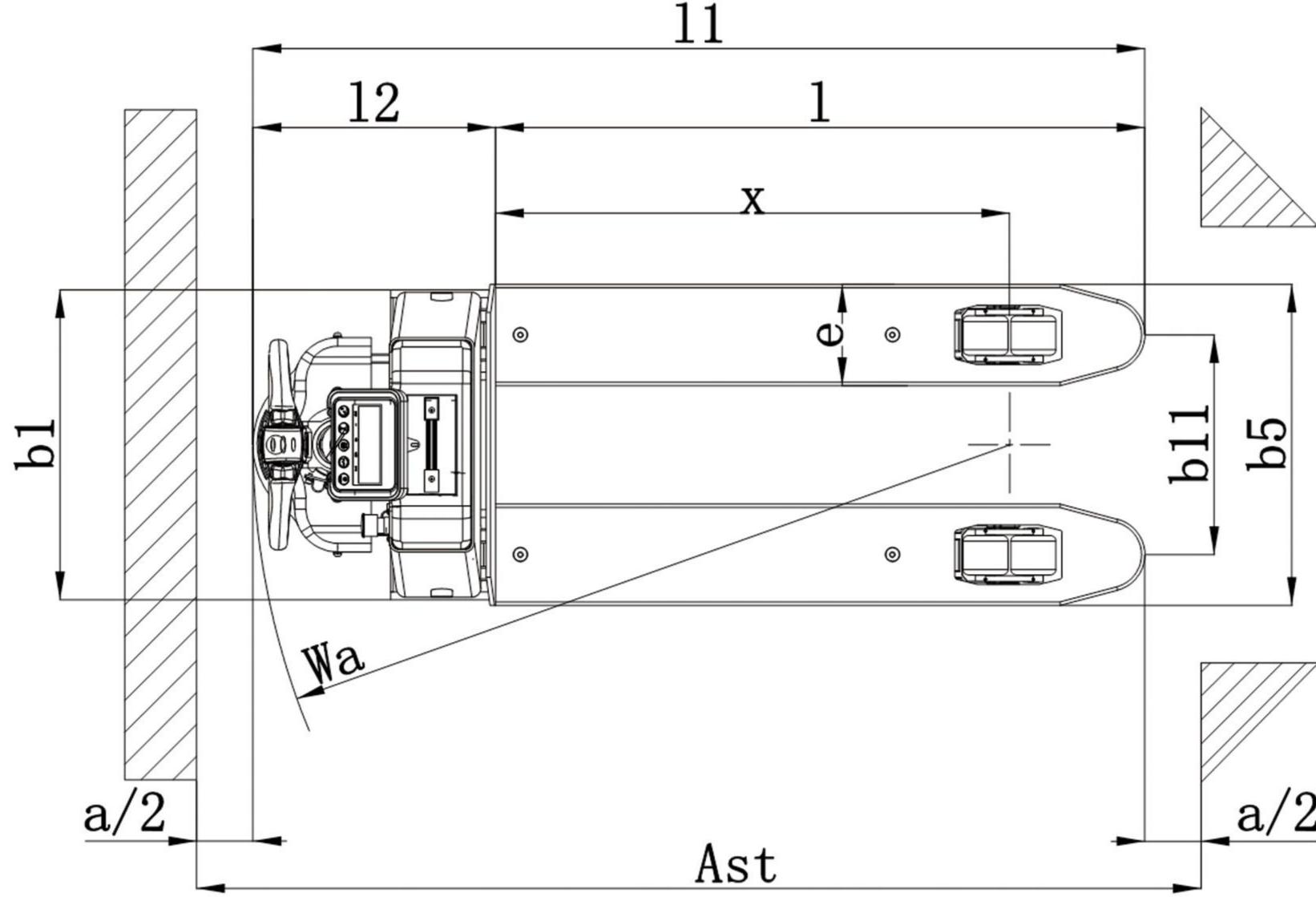
# Intelligent control system

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

# SPECIFICATION

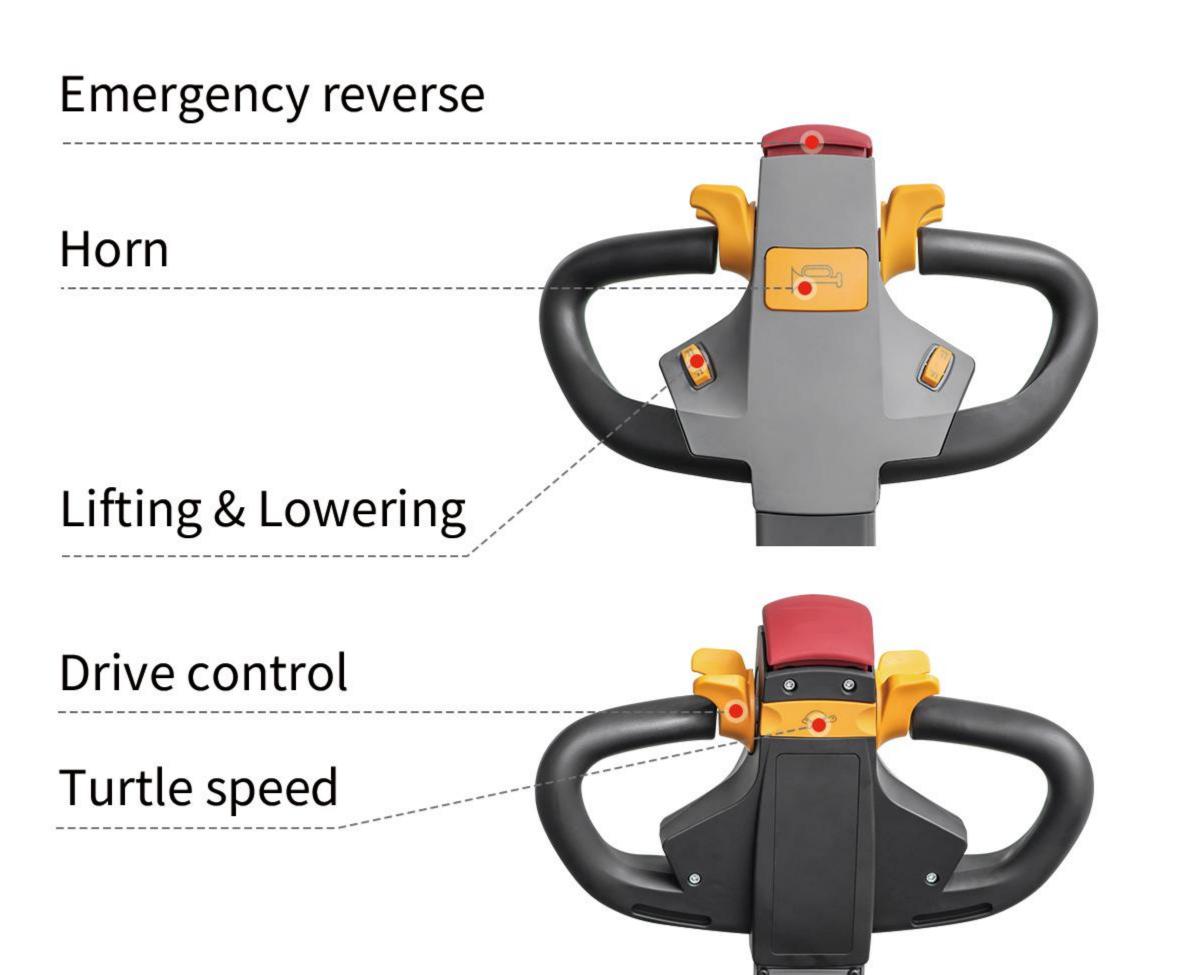
# Technical Specification





1.3   Power(patroxy)elee(pietrol gas,manual)			Manufacturer's type designation		EPT20ES-S
1.5   Load capacity / Rated load	논	1.3	Power(battery,diesel,petrol gas,manual)		Battery
2.1   Service weight   Kg		1.4	Operator type		Pedestrian
2.1   Service weight   kg	ning	1.5	Load capacity / Rated load	Q(t)	2.0
2.1   Service weight   kg	uis	1.6	Load centre distance	C (mm)	600
2.1   Service weight   kg	ting	1.8	Load distance ,centre of drive axle to fork	X (mm)	910
Axile loading, laden front/rear   kg	Dis	1.9	Wheelbase	Y (mm)	1220
1   1   1   1   1   1   1   1   1   1	Ħ	2.1	Service weight	kg	172
1   1   1   1   1   1   1   1   1   1	eigh	2.2	Axle loading, laden front/rear	kg	\
3.2   Tire size, front	3	2.3	Axle loading, unladen front/rear	kg	\
Section   Sec		3.1	Tires		Polyester iron core
1x/4   3.5   Wheels, number front/rear(x-driven wheels)   1x/4   3.6   Tread, front   500 (mm)   1.0	10	3.2	Tire size, front	⊘×w (mm)	φ190×70
1x/4   3.5   Wheels, number front/rear(x-driven wheels)   1x/4   3.6   Tread, front   500 (mm)   1.0	assie	3.3	Tire size, rear	⊘×w (mm)	φ80×70
3.6 Tread, front 3.7 Tread, rear  4.4 Lift height 4.9 Height of tiller in drive position min. / max. 4.15 Height, lowered 4.19 Overall length 4.20 Length to face of forks 4.21 Overall width 4.22 Fork dimensions 4.25 Distance between fork-arms 4.26 Distance between fork-arms 4.30 Ground clearance, centre of wheelbase 4.31 Aisle width for pallets 1000 x 1200 crossways 4.32 Fork dimensions 4.33 Aisle width for pallets 1000 x 1200 crossways 4.34 Fork dimensions 4.35 Turning radius  7 Tread, front 8 Inmm 8 S 8 Inmm 8 S 8 Inmm 9 Tro/690 8 Ontro/900 8 Ast (mm) 9 Out (mm)		3.4	Additional wheels(dimensions)	⊘×w (mm)	\
3.6 Tread, front 3.7 Tread, rear  4.4 Lift height 4.9 Height of tiller in drive position min. / max. 4.15 Height, lowered 4.19 Overall length 4.20 Length to face of forks 4.21 Overall width 4.22 Fork dimensions 4.25 Distance between fork-arms 4.26 Distance between fork-arms 4.30 Ground clearance, centre of wheelbase 4.31 Aisle width for pallets 1000 x 1200 crossways 4.32 Fork dimensions 4.33 Aisle width for pallets 1000 x 1200 crossways 4.34 Fork dimensions 4.35 Turning radius  7 Tread, front 8 Inmm 8 S 8 Inmm 8 S 8 Inmm 9 Tro/690 8 Ontro/900 8 Ast (mm) 9 Out (mm)	ires	3.5	Wheels, number front/rear(x=driven wheels)		1x/4
4.4 Lift height 4.9 Height of tiller in drive position min. / max. 4.19 Height of tiller in drive position min. / max. 4.19 Overall length 4.10 Usength to face of forks 4.11 Usength to face of forks 4.12 Usength to face of forks 4.13 Usength to face of forks 4.14 Usength to face of forks 4.15 Usength to face of forks 4.16 Usength to face of forks 4.17 Usength to face of forks 4.18 Usength to face of forks 4.19 Usength to face of forks 4.20 Length to face of forks 4.21 Usength to face of forks 4.22 Fork dimensions 4.25 Distance between fork-arms 4.26 Ground clearance, centre of wheelbase 4.27 Ground clearance, centre of wheelbase 4.28 Ground clearance, centre of wheelbase 4.29 Fork dimensions 4.30 Asia width for pallets 1000 x 1200 crossways 4.31 Fork dimensions 4.32 Turning radius 4.33 Turning radius 4.34 Turning radius 4.35 Turning radius 4.36 Wa (mm) 4.37 Turning radius 4.38 Gradeability, laden/ unladen 4.39 Usening speed, laden / unladen 4.20 Usening speed, laden / unladen 4.20 Usening speed, laden / unladen 4.21 Usening speed, laden / unladen 4.22 Lift speed, laden / unladen 4.23 Usening speed, laden / unladen 4.24.5 4.5 Usening speed, laden / unladen 4.6 Usening speed, laden / unladen 4.7 Usening speed, laden / unladen 4.8 Usening speed, laden / unladen 4.9 Gradeability, l	F	3.6	Tread, front	b10 (mm)	\
4.9   Height of tiller in drive position min. / max.		3.7	Tread, rear	b <sub>11</sub> (mm)	390/510
4.15   Height, lowered   His (mm)   85		4.4	Lift height	h₃ (mm)	110
4.19   Overall length   Li (mm)   1540     4.20   Length to face of forks   Li (mm)   395     4.21   Overall width   Di (mm)   570/690     4.22   Fork dimensions   S/e/I (mm)   60/180/1150 (1220)     4.25   Distance between fork-arms   Dis (mm)   570/690     4.26   Distance, centre of wheelbase   mix (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     5.1   Travel speed, laden/ unladen   Mm/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     5.10   Service brake   Electromagnetic     6.1   Drive motor rating \$2.60min   kw   0.85     6.2   Lift motor rating \$2.60min   kw   0.85     6.3   Battery voltage, nominal capacity K5   V/Ah   48/15     6.5   Battery weight (minimum)   km   4.5     6.5   Battery weight (minimum)   4.5     6.5   Battery weight (minimum)   4.5     6.7   Lift motor rating \$1.00   (minimum)   km   4.5     6.7   Lift motor rating \$1.00   (minimum)   km   4.5     6.7   Lift motor rating \$1.00   (minimum)   4.5     6.7   Lift motor rating \$1.00   (minimum)   4.5     6.8   Lift motor rating \$1.00   (minimum)   4.5     6.7   Lift motor rating \$1.00   (minimum)   4.5     6.8   Lift motor rating \$1.00   (minimum)   4.5     6.8   Lift motor rating \$1.00   (minimum)   4.5     6.9   Lift motor rating \$1.00   (minimum)   4.5     6.1   Lift motor rating \$1.00   (minimum)   4.5     6.2   Lift motor rating \$1.00   (minimum)   4.5     6.7   Lift motor rating \$1.00   (minimum)   4		4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> (mm)	600/1200
4.20   Length to face of forks   l2 (mm)   395     4.21   Overall width   b1 (mm)   570/690     4.22   Fork dimensions   5/e/l (mm)   60/180/1150 (1220)     4.25   Distance between fork-arms   b5 (mm)   570/690     4.32   Ground clearance, centre of wheelbase   m2 (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     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     5.10   Service brake   Electromagnetic     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 weight (majorum)   km   4.5     6.5   Battery weight (majorum)   km   4.5     6.7   Battery weight (majorum)   km   4.5     6.8   Company   Compa		4.15	Height, lowered	h13 (mm)	85
4.21   Overall width   b1 (mm)   570/690     4.22   Fork dimensions   s/e/l (mm)   60/180/1150 (1220)     4.25   Distance between fork-arms   bs (mm)   570/690     4.26   Distance between fork-arms   bs (mm)   570/690     4.27   Distance between fork-arms   bs (mm)   30     4.28   Ground clearance, centre of wheelbase   m2 (mm)   30     4.30   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     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     6.1   Drive motor rating S2 60min   kw   0.85     6.2   Lift motor rating at S3 10%   kw   0.5     6.3   Battery voltage, nominal capacity K5   V/Ah   48/15     6.5   Battery weight (minimum)   km   4.5     6.5   Battery weight (minimum)   km   4.5     6.6   Battery weight (minimum)   km   4.5     6.7   Battery weight (minimum)   km   4.5     6.8   Battery weight (minimum)   km   4.5     6.9   Battery weight (minimum)   km   4.5     6.1   Drive motor (minimum)   km   4.5     6.2   Lift (minimum)   km   4.5     6.3   Battery weight (minimum)   km   4.5     6.4   Lift (minimum)   km   4.5     6.5   Battery weight (minimum)   km   4.5     6.5   Battery weight (minimum)   km   4.5     6.5   Battery weight (minimum)   km   4.5     6.7   Lift (minimum)   km   4.5     6.8   Lift (minimum)   km   4.5     6.9   Lift (minimum)   km   4.5     6.1   Lift (minimum)   km   4.5     6.2   Lift (minimum)   km   4.5     6.3   Lift (minimum)   km   4.5     6.4   Lift (minimum)   km   4.5     6.5   Lift (minimum)   km   4.5     6.7   Lift (minimum)   km   4.5     6.8   Lift (minimum)   km   4.5     6.9   Lift (minimum)   km   4.5     6.1   Lift (minimum)   km   4.5     6.2   Lift (minimum)   km   4.5     6.3   Lift (minimum)   km   4.5     6.4   Lift (minimum)   km   4.5		4.19	Overall length	lı (mm)	1540
4.32 Ground clearance, centre of wheelbase m2 (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  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  6.1 Drive motor rating \$2 60min kw 0.85  6.2 Lift motor rating at \$3 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	2	4.20	Length to face of forks	l <sub>2</sub> (mm)	395
4.32 Ground clearance, centre of wheelbase m2 (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  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  6.1 Drive motor rating \$2 60min kw 0.85  6.2 Lift motor rating at \$3 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	sior	4.21	Overall width	b1 (mm)	570/690
4.32 Ground clearance, centre of wheelbase m2 (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  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  6.1 Drive motor rating \$2 60min kw 0.85  6.2 Lift motor rating at \$3 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	nen	4.22	Fork dimensions	s/e/l (mm)	60/180/1150 (1220)
4.33 Aisle width for pallets 1000 x 1200 crossways  4.34 Fork dimensions  Ast (mm)  2044  4.35 Turning radius  Wa (mm)  1350  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  6.1 Drive motor rating \$2 60min  kw  0.85  6.2 Lift motor rating at \$3 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	Dig	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	570/690
4.34 Fork dimensions  4.35 Turning radius  5.1 Travel speed, laden/ unladen  5.2 Lift speed, laden/ unladen  5.3 Lowering speed, laden / unladen  5.4 Gradeability, laden/ unladen  5.5 Service brake  6.1 Drive motor rating s2 60min  6.2 Lift motor rating at S3 10%  6.3 Battery acc. to DIN 43531/35 / 36 A, B, C, no  6.4 Battery voltage, nominal capacity K5  Ast (mm)  2044  Wa (mm)  1350  8m/s  0.017/0.022  m/s  0.03/0.026  6/10  Electromagnetic  kw  0.85  kw  0.5		4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	30
4.35 Turning radius  5.1 Travel speed, laden/ unladen  5.2 Lift speed, laden/ unladen  5.3 Lowering speed, laden / unladen  5.4 Lowering speed, laden / unladen  5.5 Gradeability, laden / unladen  5.6 Lift motor rating s2 60min  6.1 Drive motor rating s2 60min  6.2 Lift motor rating at S3 10%  6.3 Battery acc. to DIN 43531 /35 / 36 A, B, C, no  6.4 Battery voltage, nominal capacity K5  Control of the motor state of the motor sta		4.33	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	2157
Solution		4.34	Fork dimensions	Ast (mm)	2044
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  6.1 Drive motor rating \$2 60min kw 0.85  6.2 Lift motor rating at \$3 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		4.35	Turning radius	Wa (mm)	1350
5.8 Gradeability, laden/ unladen  5.10 Service brake  6.1 Drive motor rating S2 60min  6.2 Lift motor rating at S3 10%  6.3 Battery acc. to DIN 43531 /35 / 36 A, B, C, no  6.4 Battery voltage, nominal capacity K5  6.5 Rattery weight (minimum)	e e	5.1	Travel speed, laden/ unladen	km/h	4.2/4.5
5.8 Gradeability, laden/ unladen  5.10 Service brake  6.1 Drive motor rating S2 60min  6.2 Lift motor rating at S3 10%  6.3 Battery acc. to DIN 43531 /35 / 36 A, B, C, no  6.4 Battery voltage, nominal capacity K5  6.5 Rattery weight (minimum)	nan	5.2	Lift speed, laden/ unladen	m/s	0.017/0.022
5.8 Gradeability, laden/ unladen  5.10 Service brake  6.1 Drive motor rating S2 60min  6.2 Lift motor rating at S3 10%  6.3 Battery acc. to DIN 43531 /35 / 36 A, B, C, no  6.4 Battery voltage, nominal capacity K5  6.5 Rattery weight (minimum)	forr	5.3	Lowering speed, laden / unladen	m/s	0.03/0.026
6.1 Drive motor rating S2 60min		5.8	Gradeability, laden/ unladen	%	6/10
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		5.10	Service brake		Electromagnetic
6.4 Battery voltage, nominal capacity K5  8.5 Battery weight (minimum)		6.1	Drive motor rating S2 60min	kw	0.85
6.4 Battery voltage, nominal capacity K5  8.5 Battery weight (minimum)  48/15	ors	6.2	Lift motor rating at S3 10%	kw	0.5
6.4 Battery voltage, nominal capacity K5  8.5 Battery weight (minimum)  48/15	Mot	6.3	Battery acc. to DIN 43531 /35 / 36 A, B, C, no		\
6.5 Battery weight (minimum) kg 4.5 6.6 Energy consumption acc. to VDI cycle KWh/h \		6.4	Battery voltage, nominal capacity K5	V/Ah	48/15
6.6 Energy consumption acc. to VDI cycle  8.1 Type of drive control	_	6.5	Battery weight (minimum)	kg	4.5
Fig. 8.1 Type of drive control	iona ta	6.6	Energy consumption acc. to VDI cycle	KWh/h	\
DC speed control	dditi	8.1	Type of drive control		DC speed control
8.4 Sound level at driver`s ear acc. to EN 12053 dB(A) 67	Ă	8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	67

# ELECTRIC PALLET TRUCK Capacity 2000 KGS Electric walkie pallet truck Economic and practical Drive by lithium battery





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

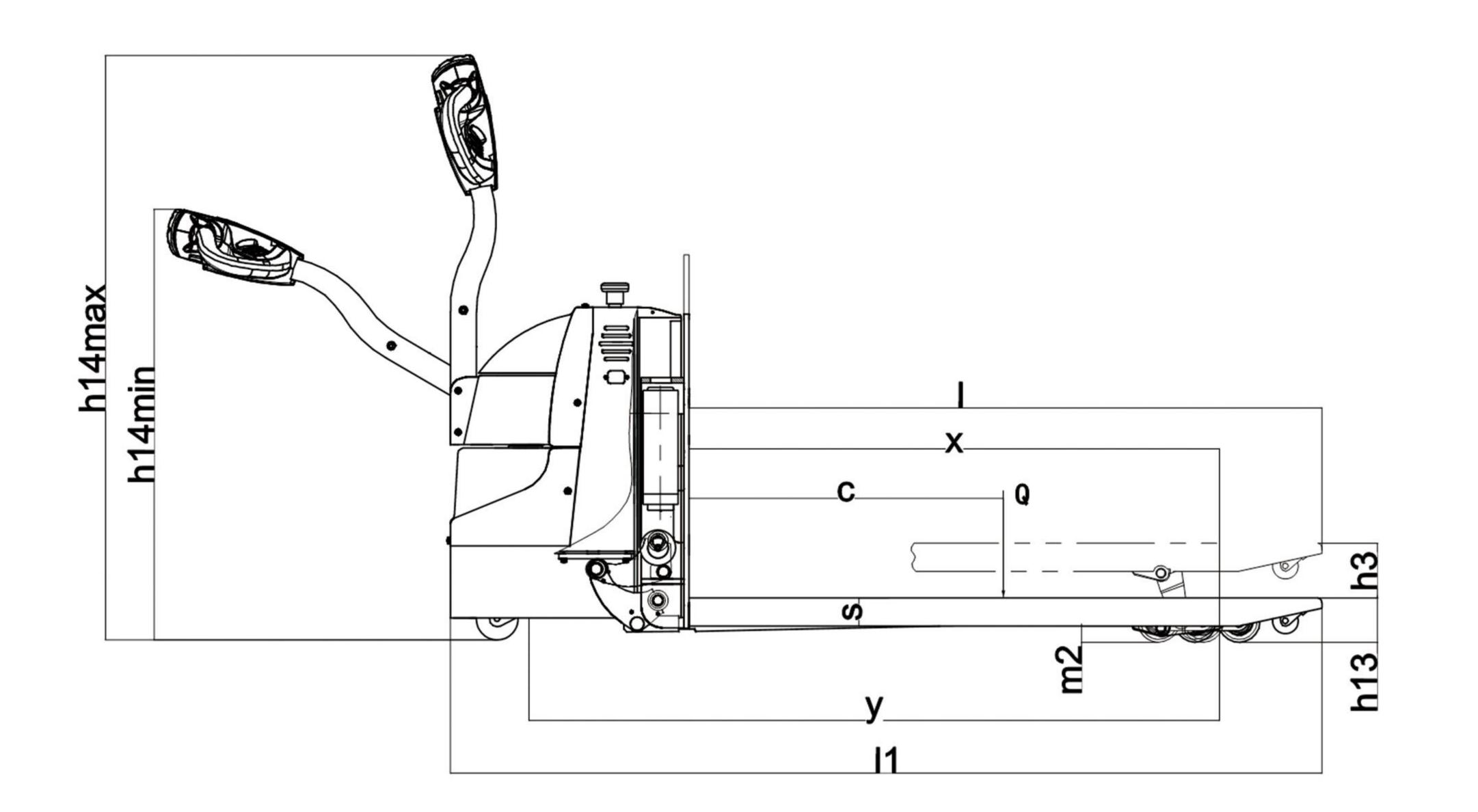
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

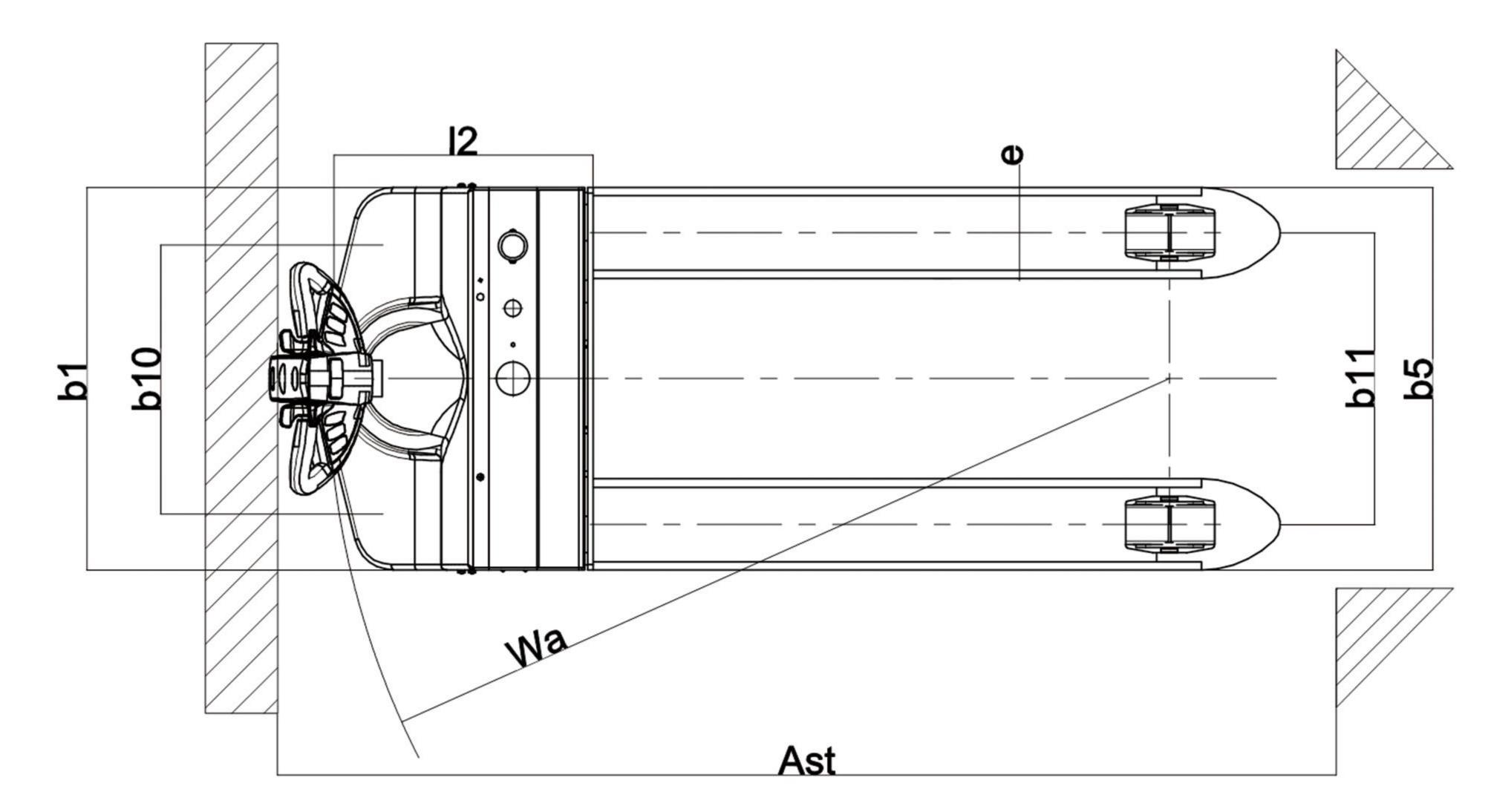


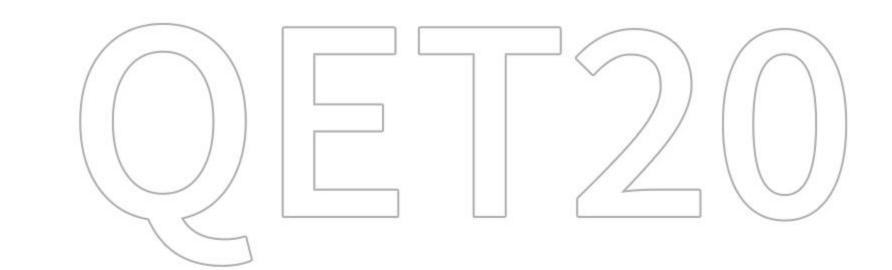
# Intelligent control system

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

# Technical Specification







		Manufacturer's type designation		QET20		
논	1.3	Power(battery,diesel,petrol gas,manual)		Battery		
ma	1.4	Operator type		Pedestrian		
ing	1.5	Load capacity / Rated load	Q(t)	2.0		
Distinguishing	1.6	Load centre distance	C (mm)	600		
ting	1.8	Load distance ,centre of drive axle to fork	X (mm)	1050		
Dis	1.9	Wheelbase	Y (mm)	1265		
벌	2.1	Service weight	kg	253		
Weight	2.2	Axle loading, laden front/rear	kg	1056/1208		
3	2.3	Axle loading, unladen front/rear	kg	173/63		
i e	3.1	Tires		PU		
S	3.2	Tire size, front	⊘×w (mm)	φ190×70		
assis	3.3	Tire size, rear	⊘×w (mm)	φ80×70		
, cha	3.4	Additional wheels(dimensions)	⊘×w (mm)	φ70×36		
Tires,	3.5	Wheels, number front/rear(x=driven wheels)		1x+2/4		
· ·	3.6	Tread, front	b10 (mm)	\		
	3.7	Tread, rear	b11 (mm)	400/520		
٠	4.4	Lift height	h₃ (mm)	105		
	4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> (mm)	810/1210		
	4.15	Height, lowered	h <sub>13</sub> (mm)	85		
	4.19	Overall length	lı (mm)	1620/1630		
Sn	4.20	Length to face of forks	l <sub>2</sub> (mm)	458		
Isiol	4.21	Overall width	b1 (mm)	680		
Dimensions	4.22	Fork dimensions	s/e/l (mm)	160/54/1150		
ä	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	560/680		
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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		
ce	5.1	Travel speed, laden/ unladen	km/h	4.2/4.5		
erformance	5.2	Lift speed, laden/ unladen	m/s	0.035/0.045		
rfor	5.3	Lowering speed, laden / unladen	m/s	0.05/0.04		
Pe	5.8	Gradeability, laden/ unladen	%	5/6		
	5.10	Service brake		Electromagnetic		
	6.1	Drive motor rating S2 60min	kw	0.85		
Motors	6.2	Lift motor rating at S3 10%	kw	0.8		
Σ	6.3	Battery acc. to DIN 43531 /35 / 36 A, B, C, no		\		
	6.4	Battery voltage, nominal capacity K5	V/Ah	48/30		
<u> </u>	6.5	Battery weight (minimum)	kg	11		
iona	6.6	Energy consumption acc. to VDI cycle	KWh/h			
Additional data	8.1	Type of drive control		DC speed control		
4	8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	69		

QET

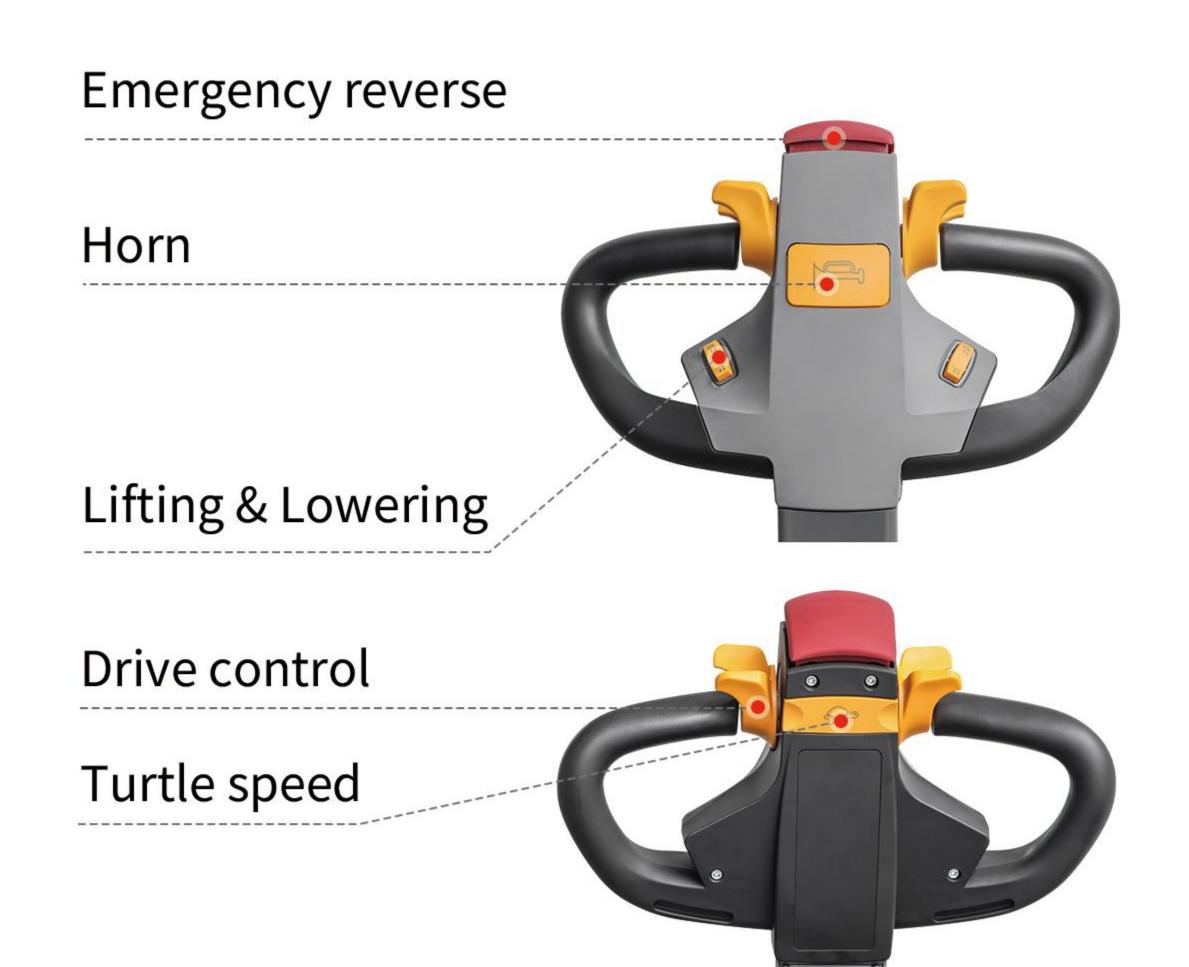
# QET20P/QET25P/QET30P

# RIDER-CONTROL ELECTRIC PALLET TRUCK

Capacity 2000 KGS / 2500 KGS / 3000 KGS

Suitable for heavy and long distance operations







**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.

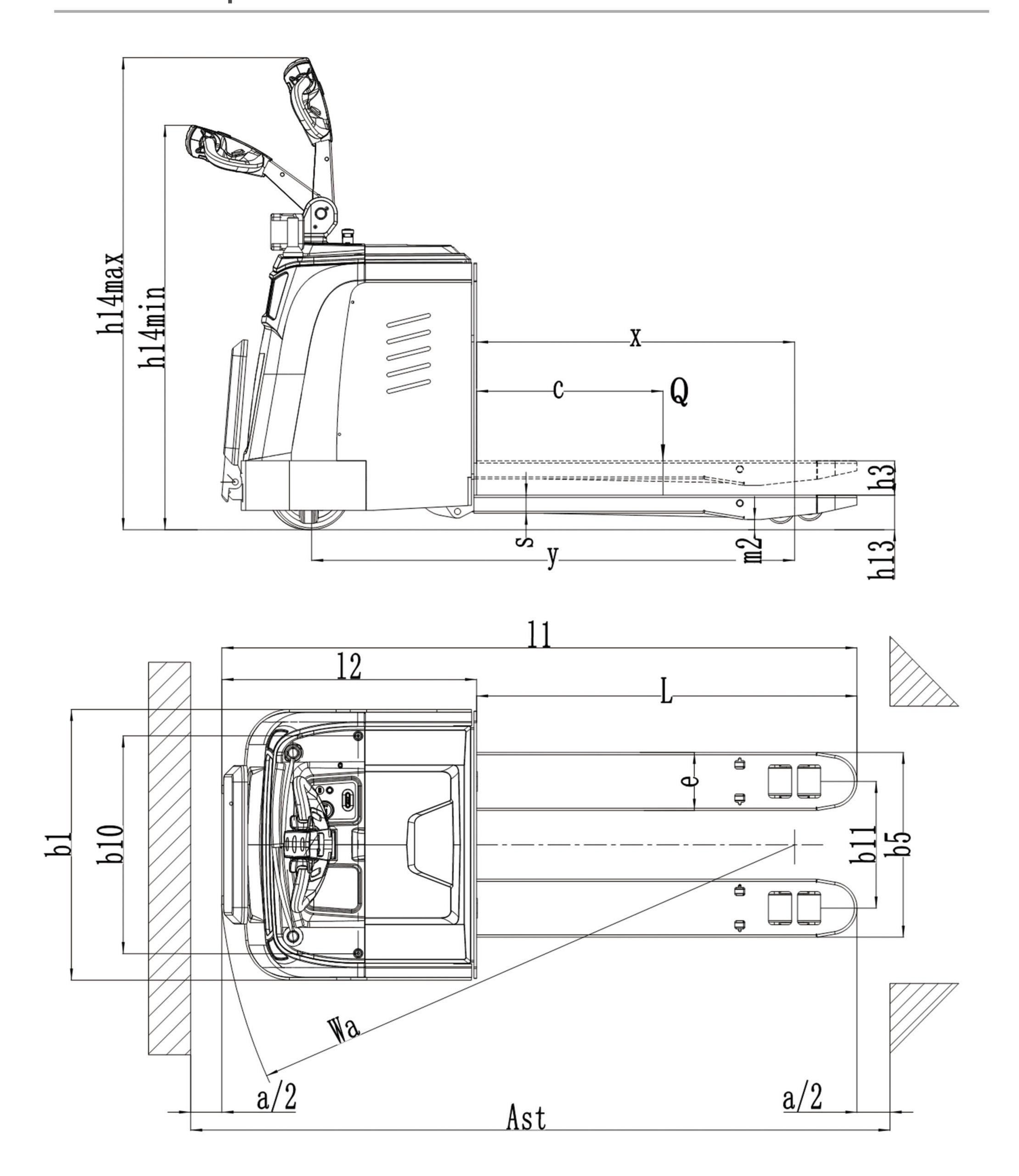


# Intelligent control system

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

# SPECIFICATION

# **Technical Specification**



# QET20P/25P/30P

		Manufacturer's type designation				QET-P	
논	1.3	Power(battery,diesel,petrol gas,manual)			Battery		
Distinguishing mark	1.4	Operator type			S	tation 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	
3	2.3	Axle loading, unladen front/rear		kg		497/124	
	3.1	Tires				PU	
S	3.2	Tire size, front		⊘×w (mm)		φ250×80	
chassis	3.3	Tire size, rear		⊘×w (mm)	φ80×80		
, ch	3.4	Additional wheels(dimensions)		⊘×w (mm)	φ115×55		
Tires,	3.5	Wheels, number front/rear(x=driven wheel	s)			1x+2/4	
-	3.6	Tread, front		b10 (mm)		625	
	3.7	Tread, rear		b11 (mm)		385/510	
	4.4	Lift height		h₃ (mm)	120		
	4.9	Height of tiller in drive position min. / max.		h <sub>14</sub> (mm)	1030/1430		
	4.15	Height, lowered		h13 (mm)	85		
	4.19	Overall length		lı (mm)	1930		
SI	4.20	Length to face of forks		l <sub>2</sub> (mm)		780	
Dimensions	4.21	Overall width		b1 (mm)		820	
nen	4.22	Fork dimensions		s/e/l (mm)		50/176/1150	
Ē	4.25	Distance between fork-arms		b5 (mm)		560/685	
	4.32	Ground clearance, centre of wheelbase		m <sub>2</sub> (mm)	30		
	4.33	Aisle width for pallets 1000 x 1200 crossway	ys	Ast (mm)	2551		
	4.34	Aisle width for pallets 800 x 1200 lengthway	ys	Ast (mm)	2416		
	4.35	Turning radius		Wa (mm)	1750		
e c	5.1	Travel speed, laden/ unladen		km/h	5.5/5.8		
nan	5.2	Lift speed, laden/ unladen		m/s	0.04/0.05		
erformance	5.3	Lowering speed, laden / unladen		m/s	0.06/0.05		
Per	5.8	Gradeability, laden/ unladen		%	8/20		
	5.10	Service brake			Elect	romagnetic braking	
	6.1	Drive motor rating S2 60min		kw	2.5(AC)		
S	6.2	Lift motor rating at S3 10%		kw	2.2		
Motors	6.3	Battery acc. to DIN 43531 /35 / 36 A, B, C, no	)			\	
ž		B 11 11 12 12 12 12 12 12 12 12 12 12 12	Lead acid battery			24/210 (270)	
	6.4	Battery voltage, nominal capacity K5	Lithium battery (For option)	V/Ah	24/(150,175,200,230)		
(g	6.5	Battery weight (minimum)		kg	200/260		
ona :a	6.6	Energy consumption acc. to VDI cycle		KWh/h	\		
Additional data	8.1	Type of drive control			A	AC speed control	
	8.4	Sound level at driver`s ear acc. to EN 1205	3	dB(A)	69		

# ATLAS EPT30Q

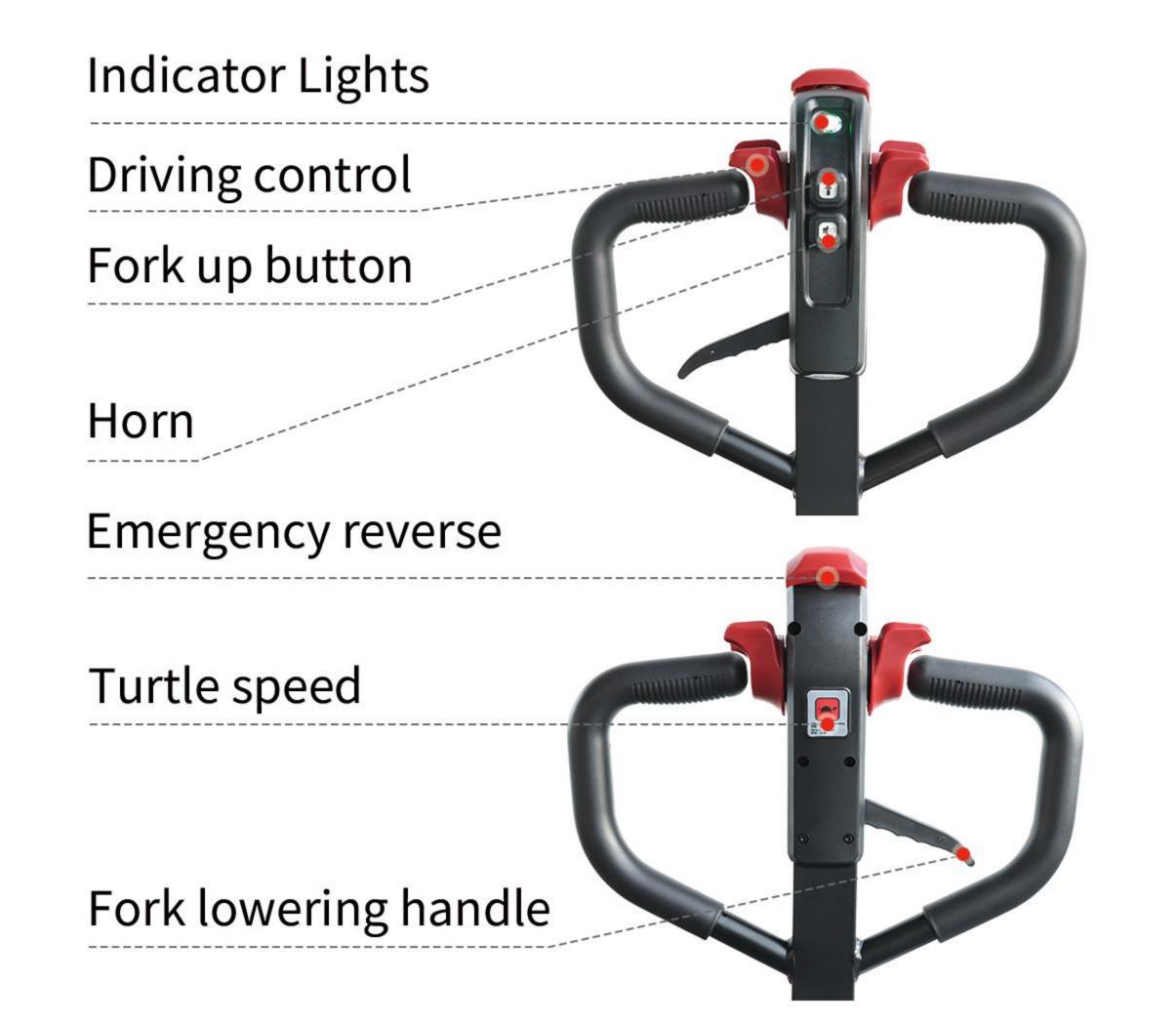
# FULL ELECTRIC PALLET TRUCK (OFF-ROAD MODEL)

High-strength and durable structure

Designed specifically for mountainous and potholedwaterlogged roads

Strong power and efficient passability







**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.

# Product display



Suitable for multiple scenarios

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

QET20M

# QET20M

# ELECTRIC PALLET TRUCK





Pin-code handle

(For option)



### Tandem load roller

Guarantees for maximum stability and safety



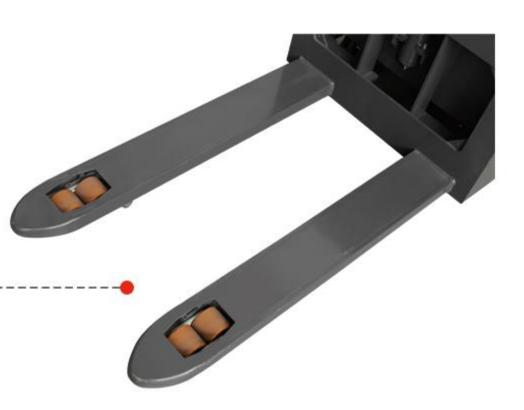
# **Emergency button**

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

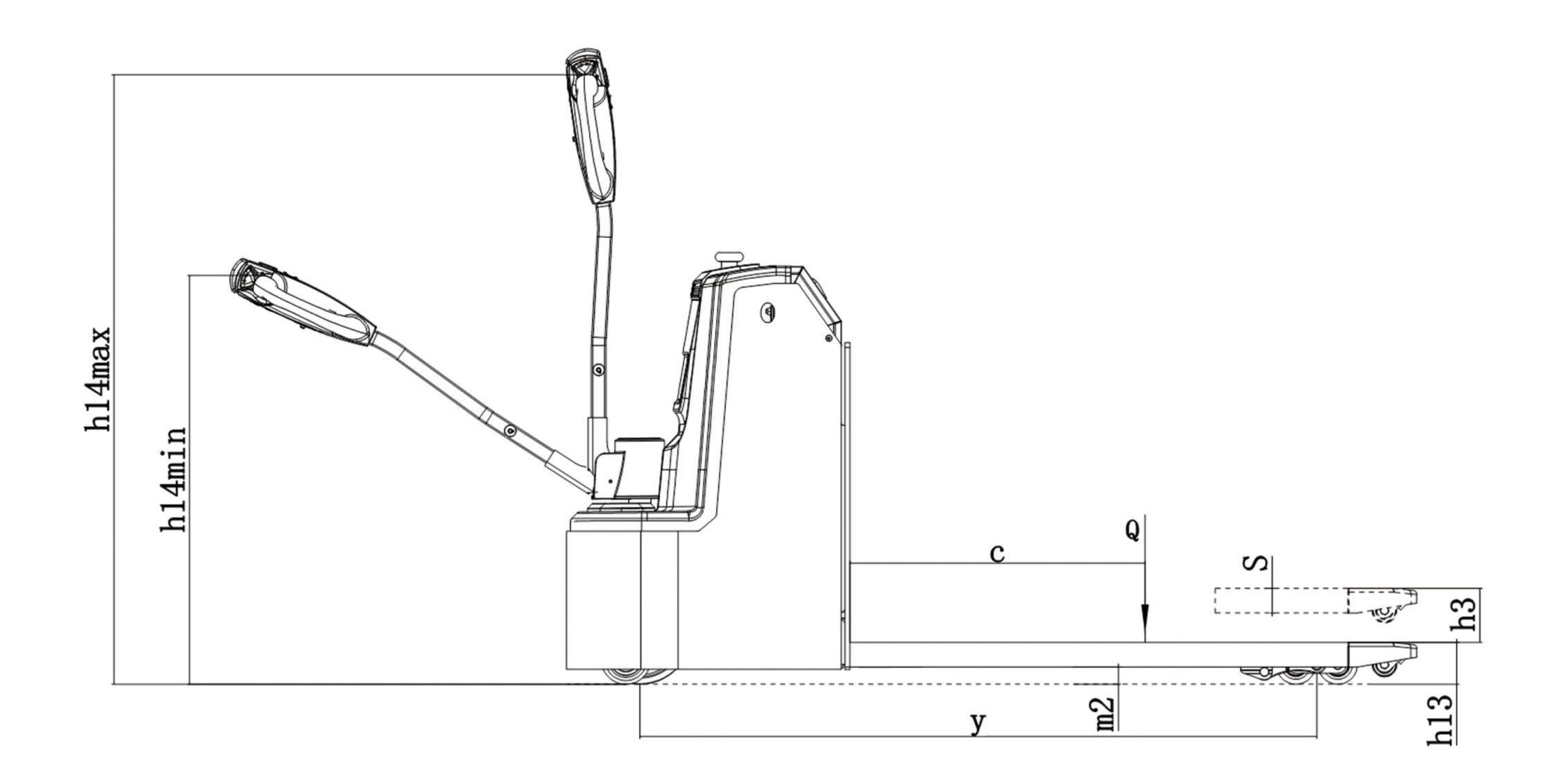
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.

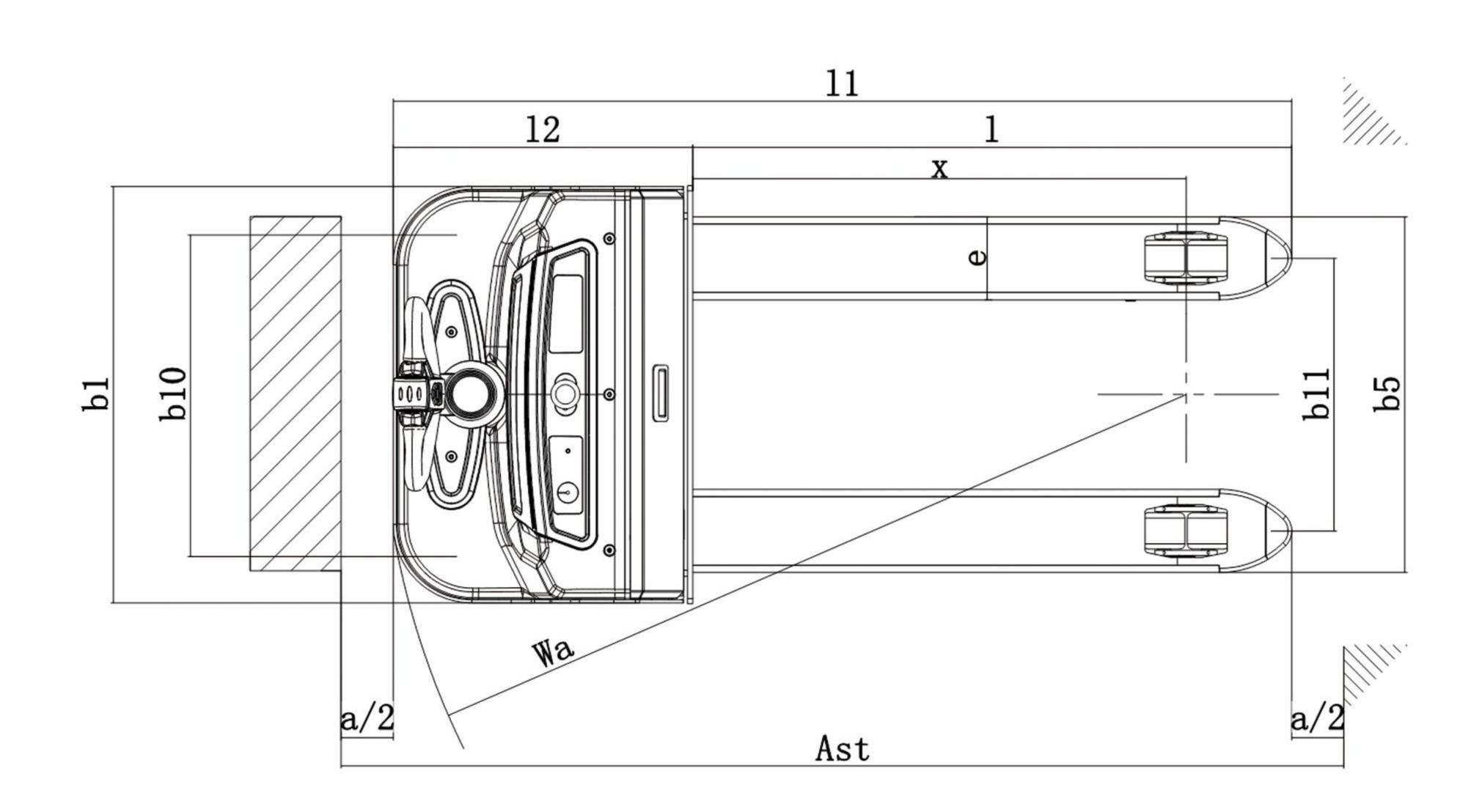


# Intelligent control system

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

# Technical Specification





		Manufacturer's type designation		QET20M				
논	1.3	Power(battery,diesel,petrol gas,manual)		Battery				
ma	1.4	Operator type		Pedestrian				
Distinguishing	1.5	Load capacity / Rated load	Q(t)	2.0				
siuis	1.6	Load centre distance	C (mm)	600				
ting	1.8	Load distance ,centre of drive axle to fork	X (mm)	946				
Dis	1.9	Wheelbase	Y (mm)	1375				
벌	2.1	Service weight	kg	360				
Weight	2.2	Axle loading, laden front/rear	kg					
3	2.3	Axle loading, unladen front/rear	kg	168/86.5				
) =	3.1	Tires		PU				
S	3.2	Tire size, front	⊘×w (mm)	φ210×75				
assis	3.3	Tire size, rear	⊘×w (mm)	φ80×70				
, cha	3.4	Additional wheels(dimensions)	⊘×w (mm)	φ100×40				
Tires,	3.5	Wheels, number front/rear(x=driven wheels)		1x+2/4				
-	3.6	Tread, front	b <sub>10</sub> (mm)	588				
	3.7	Tread, rear	b <sub>11</sub> (mm)	400 525				
<i>4.</i>	4.4	Lift height	h₃ (mm)	110				
	4.9	Height of tiller in drive position min. / max.	h <sub>14</sub> (mm)	725/1218				
	4.15	Height, lowered	h <sub>13</sub> (mm)	85				
	4.19	Overall length	lı (mm)	1730				
ST	4.20	Length to face of forks	l <sub>2</sub> (mm)	575				
Isiol	4.21	Overall width	b1 (mm)	802				
Dimensions	4.22	Fork dimensions	s/e/l (mm)	50/160/1150				
运	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	560 685				
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	35				
	4.33	Aisle width for pallets 1000 $ imes$ 1200 crossways	Ast (mm)	2350				
	4.34	Aisle width for pallets 800 $ imes$ 1200 lengthways	Ast (mm)	2220				
	4.35	Turning radius	Wa (mm)	1548				
e	5.1	Travel speed, laden/ unladen	km/h	4.1/4.6				
erformance	5.2	Lift speed, laden/ unladen	m/s	0.015/0.045				
rfori	5.3	Lowering speed, laden / unladen	m/s	0.039/0.04				
Pe	5.8	Gradeability, laden/ unladen	%	6/10				
	5.10	Service brake		Electromagnetic				
	6.1	Drive motor rating S2 60min	kw	0.9				
Motors	6.2	Lift motor rating at S3 10%	kw	0.8				
Μ	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)				
<del>-</del>	6.5	Battery weight (minimum)	kg	25.5×4				
iona	6.6	Energy consumption acc. to VDI cycle	KWh/h	\				
Additional data	8.1	Type of drive control		DC speed control				
4	8.4	Sound level at driver`s ear acc. to EN 12053	dB(A)	≤70				

# MANUAL PALLET STACKER

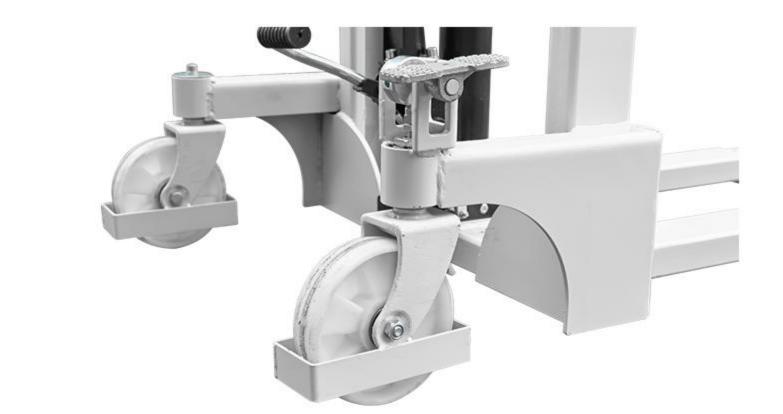


# MANUAL PALLET STACKER

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.

### **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	

# 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.

### 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

SES10

## 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.

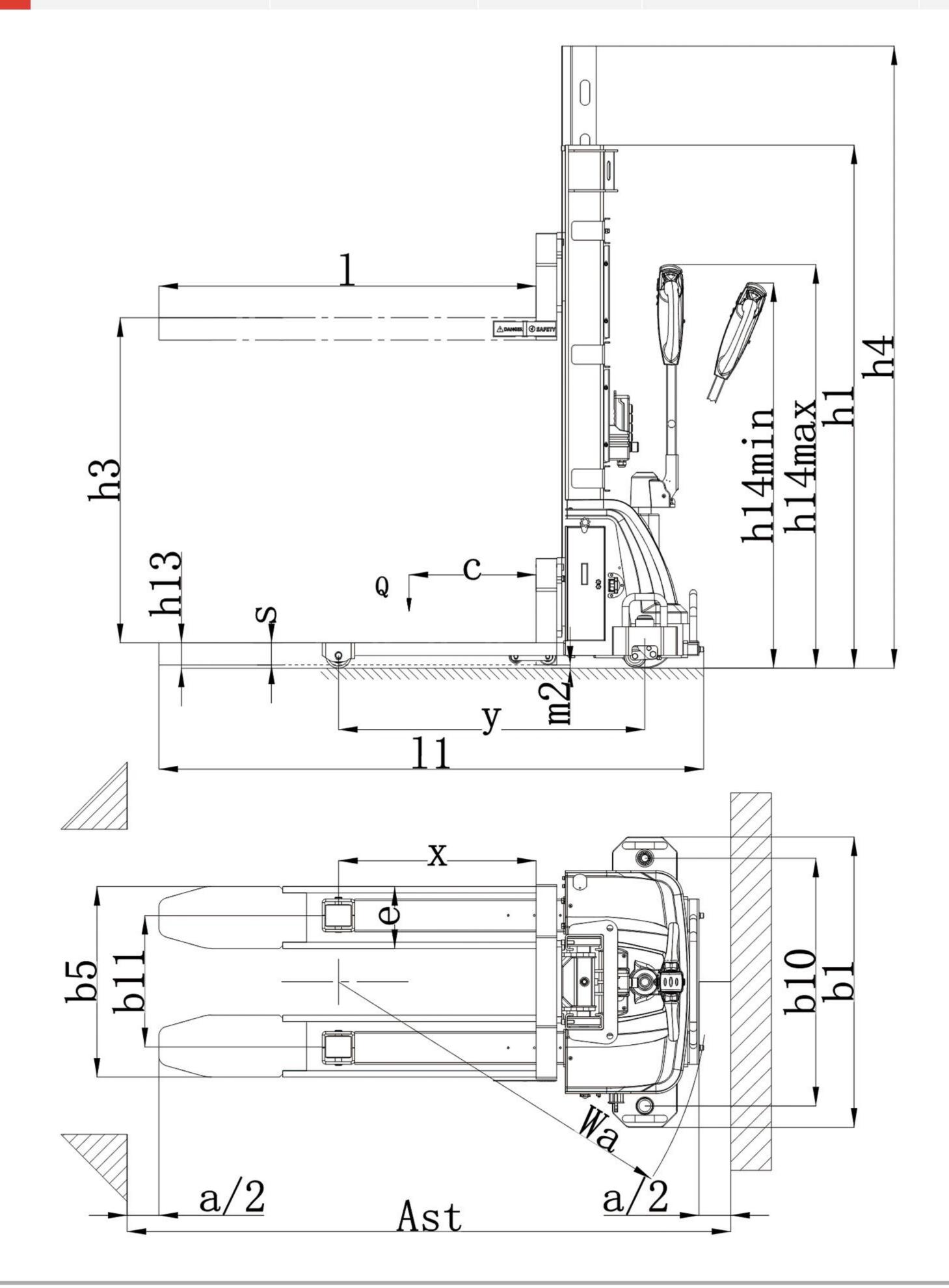


### Intelligent control system

# 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							
	1250	_	815	2080	900		
	1450	_	1015	2480	1100		
Two stage mast	1650	1 <del></del>	1215	2880	1300		
	1850	<del>-</del>	1415	3280	1500		
	2000		1565	3580	1650		
Two stage mast FFL (Full-Free-Lift)	_	_	_	_	_		
Three stage mast	-	_	_	_	_		
Three stage mast FFL (Full-Free-Lift)	_	<del>_</del>	<u></u> -	_	<del>-</del> -		



# SES10/SES12/SES15

### Technical Specification

		Manufacturer's type designation			SES	
논 1	1.3	Power (battery ,diesel, petrol, gas, manual)			Battery	
	1.4	Operator type			Pedestrian	
Distinguishing	1.5	Load capacity / Rated load	Q(t)	1.0	1.2	1.5
inis 1	1.6	Load centre distance	C (mm)		400	
ting 1	1.8	Load distance ,centre of drive axle to fork	X (mm)	622 980		
Si Dis	1.9	Wheelbase	Y (mm)			
<u>ب</u> 2	2.1	Service weight	kg		430	
Weight	2.2 Axle loading, laden front/rear kg			\		
<b>3</b> 2	2.3	Axle loading, unladen front/rear	kg		\	
3	3.1	Tires			PU	
	3.2	Tire size, front	⊘×w (mm)		φ190×70	
chassis	3.3	Tire size, rear	⊘×w (mm)		φ80×70	
	3.4	Additional wheels(dimensions)	⊘×w (mm)		φ75×35	
rires,	3.5	Wheels, number front/rear(x=driven wheels)			1X+2/2	
3	3.6	Track, front	b <sub>10</sub> (mm)		780	
3	3.7	Track, rear	b <sub>11</sub> (mm)		417	
4	4.2	Lowered mast height	h1 (mm)		1450	
4	4.3	Free Lift height	h <sub>2</sub> (mm)		\	
4	4.4	Lift height	h₃ (mm)		1015	
4	4.5	Extended mast height	h <sub>4</sub> (mm)		2480	
4	4.6	Initial lift	h₅ (mm)		105	
4	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)		740/1250	
<u>د</u> 4	1.15	Height, lowered	h <sub>13</sub> (mm)		85	
Dimensions	1.19	Overall length	lı (mm)		1730	
ueu 4	1.20	Length to face of forks	l <sub>2</sub> (mm)		527	
4	1.21	Overall width	b1 (mm)		920	
4	1.22	Fork dimensions	s/e/l (mm)		70/195/1220	
4	1.25	Distance between fork-arms	b₅ (mm)		560/600	
4	1.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)		10	
4	1.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)		2089	
4	1.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)		2083	
4	1.35	Turning radius	Wa (mm)		1180	
Ē	5.1	Travel speed, laden/ unladen	Km/h		4.0/4.2	
data	5.2	Lift speed, laden/ unladen	m/s		0.06/0.07	
ata	5.3	Lowering speed, laden/ unladen	m/s		0.1/0.09	
5	5.8	Max. gradeability, laden/ unladen	%		\	
5	5.10	Service brake			Electromagnetic	
6	6.1	Drive motor rating S2 60min	kw		0.85	
e e	6.2	Lift motor rating at S3 4.5%	kw		2.2	
engine	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
Electric	6.5	B Battery weight +/-5%	kg		30	
	6.6	Energy consumption acc: to VDI cycle	kWh/h		\	
data	8.1	Type of drive control			DC speed contro	l
dat	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)		≤70	

69



### Main Feature



### Variety battery capacity available

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

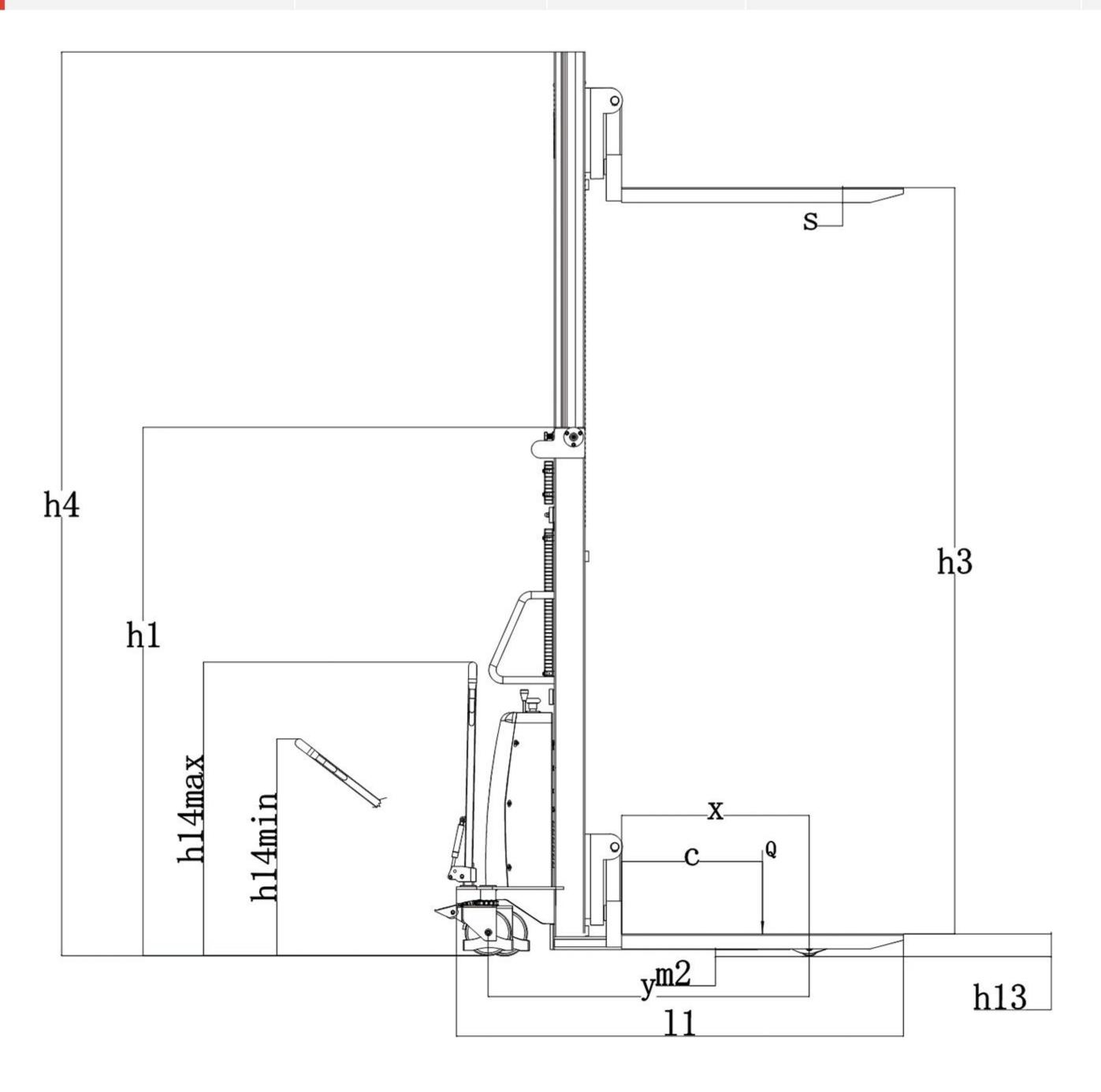


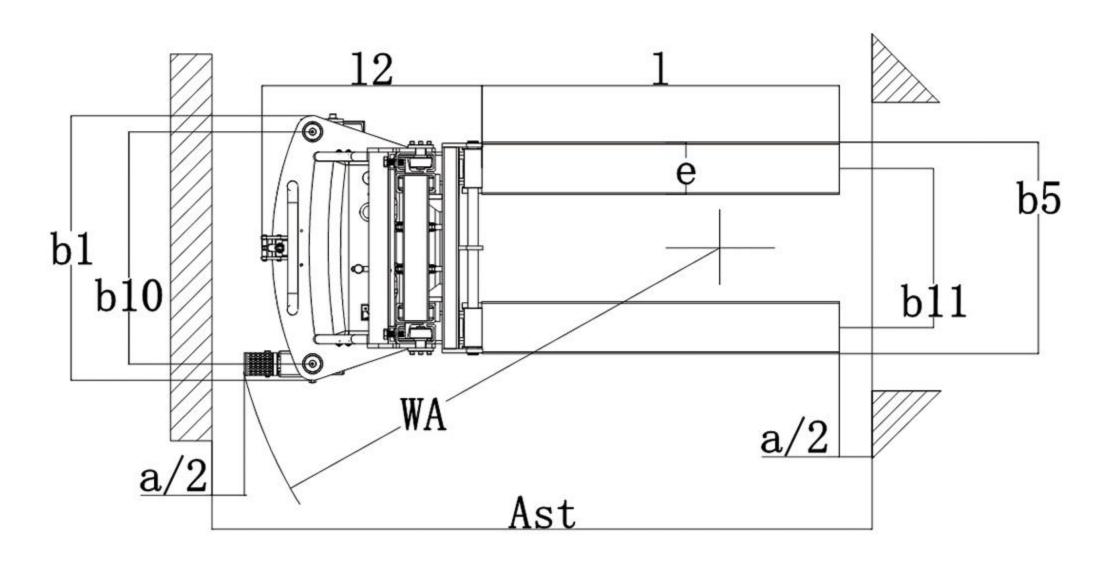
### Security and stability

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.



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						
	2060	_	1515	2065	1600	
	1560	<del>_</del>	1915	2528	2000	
Two stage mast	1810	-	2415	3028	2500	
	2060	_	2915	3528	3000	
	2310	<del>-</del>	3415	4028	3500	
Two stage mast FFL (Full-Free-Lift)	_	_		_	_	
Three stage mast	.—	·		-	_	
Three stage mast FFL (Full-Free-Lift)	_	_	_	_		





# Technical Specification

		Manufacturer's type designation		QSS15(Type 550)	QSS15(Type 650)
논	1.3	Power (battery ,diesel, petrol, gas, manual)		\	\
mark	1.4	Operator type		Pedes	strian
	1.5	Load capacity / Rated load	Q(t)	1.	.5
Distinguishing	1.6	Load centre distance	C (mm)	60	00
ting	1.8	Load distance ,centre of drive axle to fork	X (mm)	73	30
Dis	1.9	Wheelbase	Y (mm)	12	53
_	2.1	Service weight	kg	37	77
Weight	2.2	Axle loading, laden front/rear	kg	\	
×	2.3	Axle loading, unladen front/rear	kg	\	·
	3.1	Tires		Nyl	lon
	3.2	Tire size, front	⊘×w (mm)		)×50
chassis	3.3	Tire size, rear	⊘×w (mm)		×70
	3.4	Additional wheels(dimensions)	⊘×w (mm)	ф180	×50
lires,	3.5	Wheels, number front/rear(x=driven wheels)		0x+	2/2
	3.6	Track, front	b10 (mm)		L4
	3.7	Track, rear	b11 (mm)	390	490
	4.2	Lowered mast height	hı (mm)	15	60
	4.3	Free Lift height	h <sub>2</sub> (mm)	\	
	4.4	Lift height	h₃ (mm)	19	15
	4.5	Extended mast height	h <sub>4</sub> (mm)	25	
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)		1215
	4.15	Height, lowered	h <sub>13</sub> (mm)	8	5
suc	4.19	Overall length	lı (mm)	17	95
nsic	4.20	Length to face of forks	l <sub>2</sub> (mm)	67	76
Dimensions	4.21	Overall width	b1 (mm)	82	20
-	4.22	Fork dimensions	s/e/l (mm)	60/160	0/1150
	4.25	Distance between fork-arms	b₅ (mm)	330~550/550	330~650/650
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	3	0
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	23	71
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	23	30
	4.35	Turning radius	Wa (mm)		13
	5.1	Travel speed, laden/ unladen	Km/h	\	
ורב	5.2	Lift speed, laden/ unladen	m/s	0.07	7/0.1
ata	5.3	Lowering speed, laden/ unladen	m/s	0.11/	
data	5.8	Max. gradeability, laden/ unladen	%	\	
	5.10	Service brake		Mechanica	al braking
	6.1	Drive motor rating S2 60min	kw	\	
ine	6.2	Lift motor rating at S3 4.5%	kw	1.	.6
engine	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		\	
	6.4	Battery voltage, nominal capacity K5	V/Ah	12/	120
Electric-	6.5	B Battery weight +/-5%	kg	3	4
	6.6	Energy consumption acc: to VDI cycle	kWh/h	\	
Additional data	8.1	Type of drive control		\	\
dat	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	6	9

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.



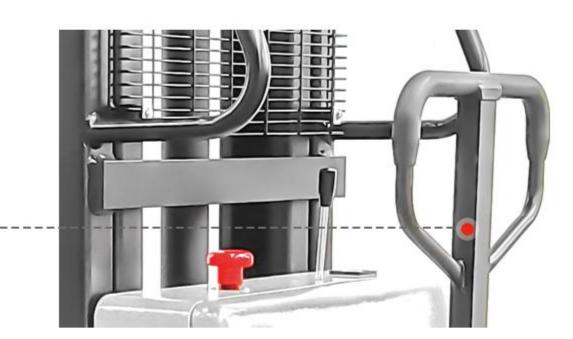
### **Emergency button**

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



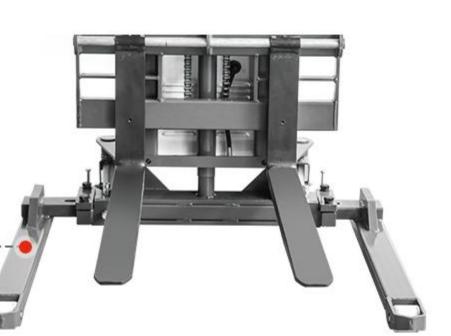
### Long handle

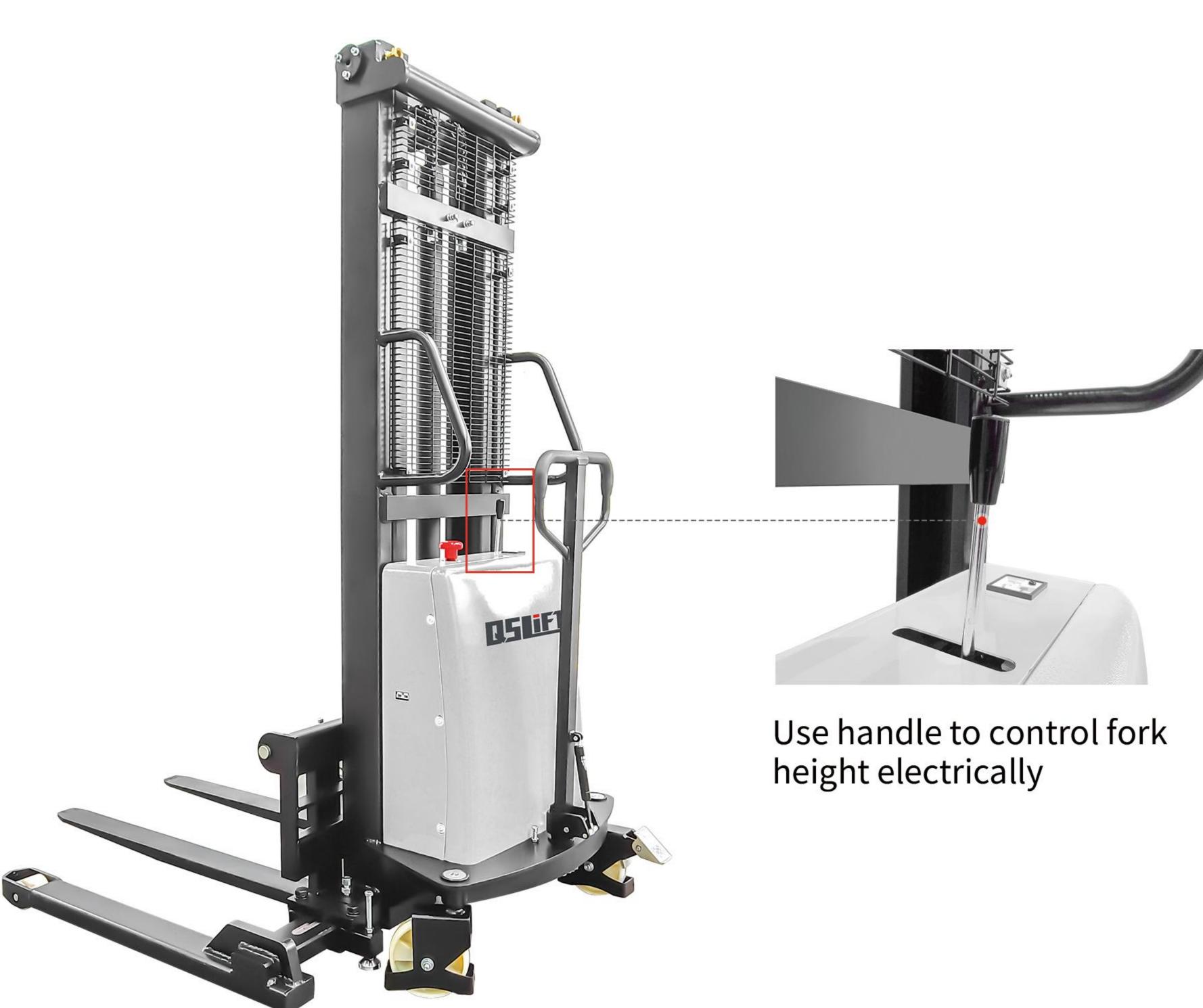
mechanical steering, ergonomic, flexible handling.



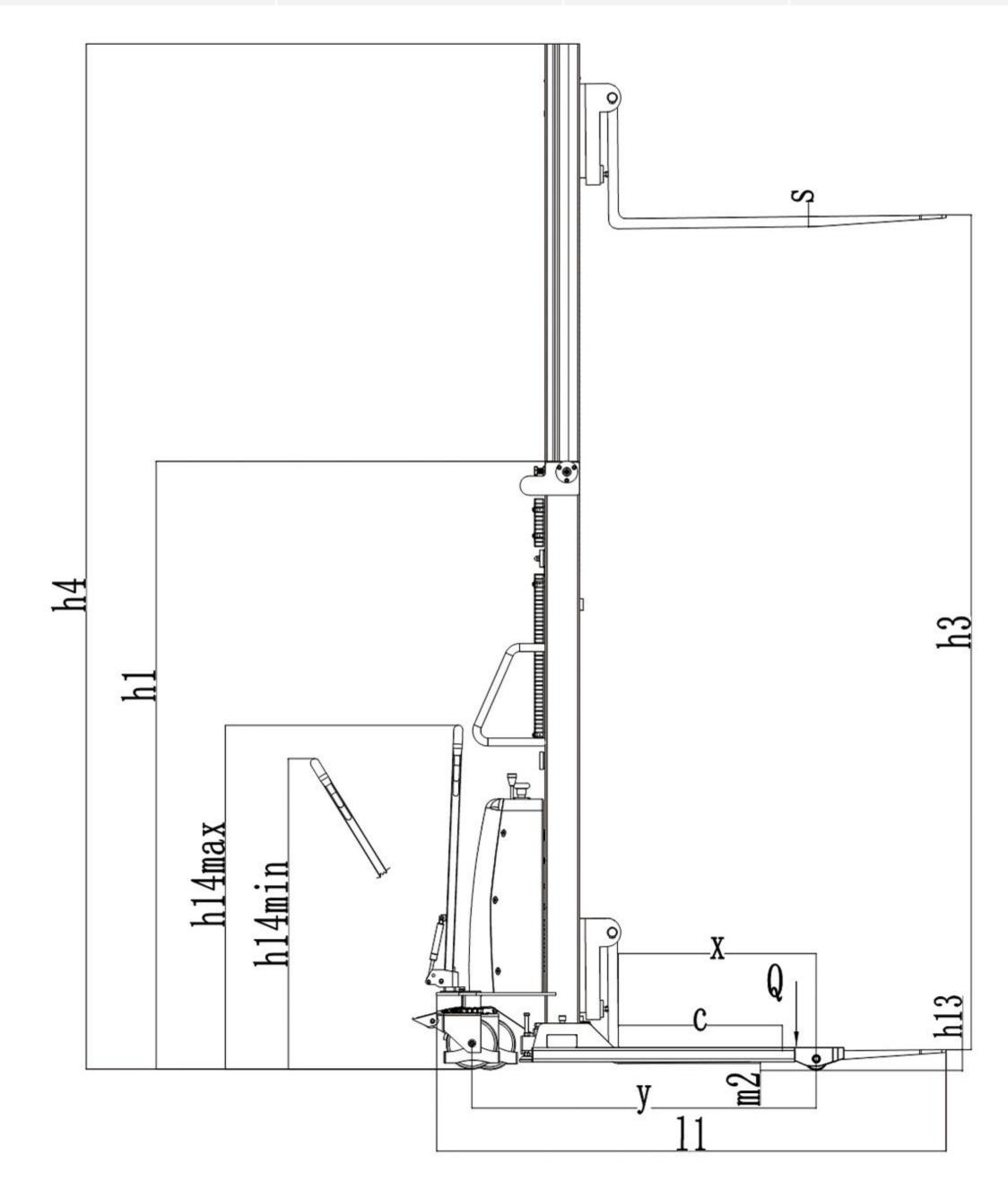
### Solid metal leg

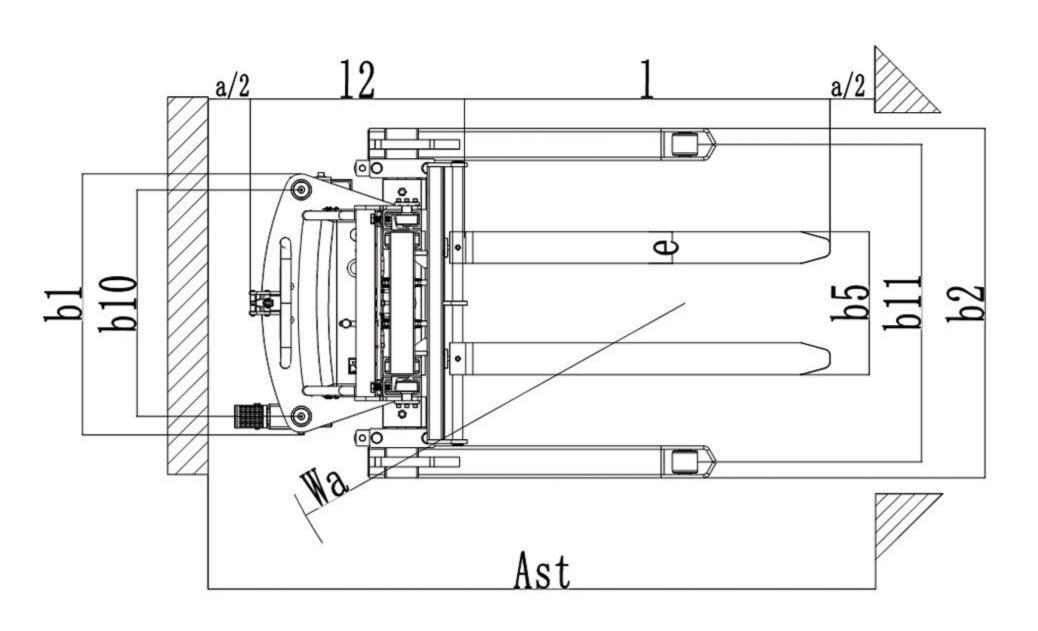
Steady chassis Ajustable leg





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		
	1635	_	1940	2605	2000		
Two stage most	1885	_	2440	3105	2500		
Two stage mast	2135	_	2940	3605	3000		
	2385	_	3440	4105	3500		
Two stage mast FFL (Full-Free-Lift)	_		-	<del></del>	_		
Three stage mast	<del>-</del>	_	_	<u> </u>	_		
Three stage mast FFL (Full-Free-Lift)	-	<del>-</del>	<del>-</del>	_	_		





## **Technical Specification**

		Manufacturer's type designation		QSS15-SL
<u> </u>	1.3	Power (battery ,diesel, petrol, gas, manual)		\
E E	1.4	Operator type		Pedestrian
Distinguishing	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
=	2.1	Service weight	kg	497
weigill	2.2	Axle loading, laden front/rear	kg	\
	2.3	Axle loading, unladen front/rear	kg	\
	3.1	Tires		Nylon
SIS	3.2	Tire size, front	⊘×w (mm)	φ180×50
CIIds	3.3	Tire size, rear	⊘×w (mm)	φ80×70
es, c	3.5	Wheels, number front/rear(x=driven wheels)		0x+2/2
	3.6	Track, front	b10 (mm)	714
	3.7	Track, rear	b <sub>11</sub> (mm)	1020~1420
	4.2	Lowered mast height	h1 (mm)	1635
	4.3	Free Lift height	h <sub>2</sub> (mm)	\
	4.4	Lift height	h₃ (mm)	1940
	4.5	Extended mast height	h <sub>4</sub> (mm)	2605
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	700/1215
	4.15	Height, lowered	h <sub>13</sub> (mm)	60
SU	4.19	Overall length	lı (mm)	1875
nsio	4.20	Length to face of forks	l <sub>2</sub> (mm)	633
Dimensions	4.21	Overall width	b1/b2(mm)	820/(1100-1500)
2	4.22	Fork dimensions	s/e/l (mm)	35/100/1150
	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	210~850
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
		Travel speed, laden/ unladen	Km/h	1309
	5.1			0.07/0.1
data	5.2	Lift speed, laden/ unladen	m/s	0.07/0.1
da	5.3	Lowering speed, laden/ unladen	m/s	0.11/0.09
	5.8	Max. gradeability, laden/ unladen	%	Machanical braking
	5.10	Service brake	Local	Mechanical braking
υ	6.1	Drive motor rating S2 60min	kw	1.6
eugua	6.2	Lift motor rating at S3 4.5%	kw	1.6
400	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no	N// 1	12/120
בופכונוכ-	6.4	Battery voltage, nominal capacity K5	V/Ah	12/120
i	6.5	B Battery weight +/-5%	kg	34
	6.6	Energy consumption acc: to VDI cycle	kWh/h	1
data	8.1	Type of drive control		\

# QES15D

# DOUBLE-LIFT ELECTRIC PALLET STACKER

Capacity 1500 KGS

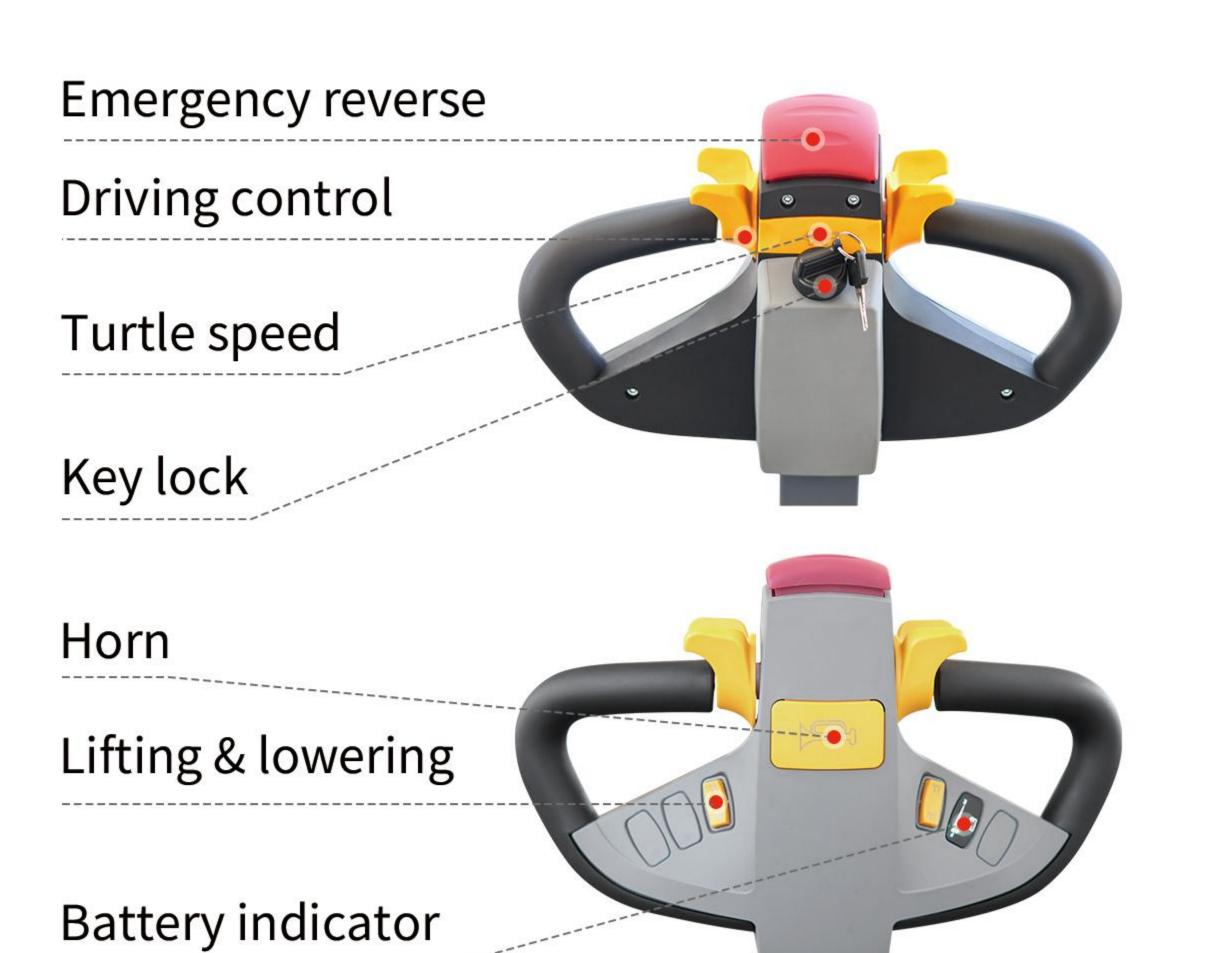
Double-lifting design

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.

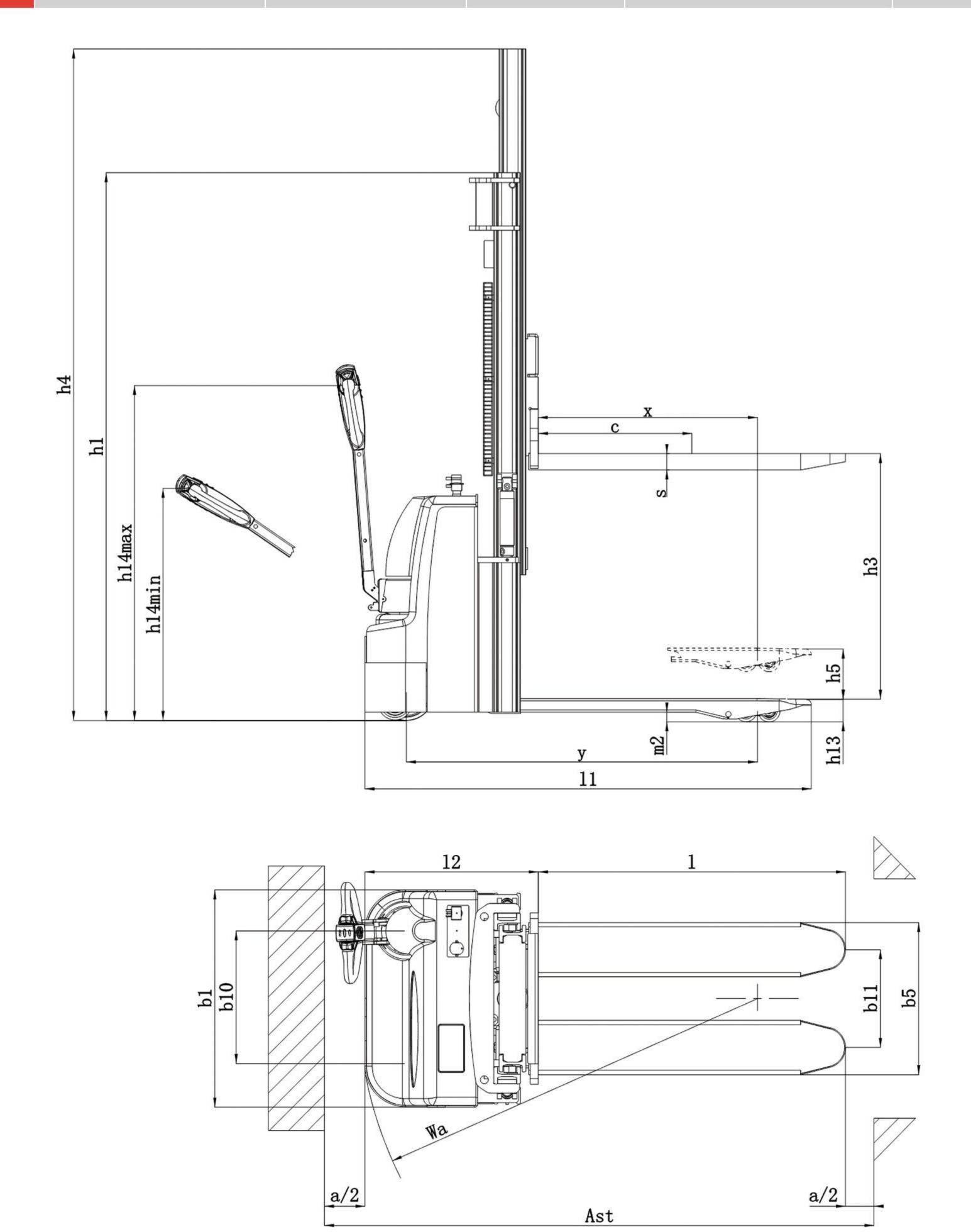


### Intelligent control system

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

www.qslift.com

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)
		QE:	S15D		ż
	1765	_	2410	2990	2500
Two stage mast	2015	-	2910	3490	3000
Two stage mast	2165	-	3210	3790	3300
	2265	_	3410	3990	3500
Two stage mast FFL (Full-Free-Lift)	<del>-</del>	<del>-</del>	<del>-</del> -	<del></del>	<del>-</del>
Three stage mast	<del>_</del>	_	_	<del>_</del>	_
Three stage mast FFL (Full-Free-Lift)	<del></del>	-	-		-



## Technical Specification

		Manufacturer's type designation		QES15D
<u> </u>	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
5	1.4	Operator type		Pedestrian
Distinguishing	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
	2.1	Service weight	kg	647
0	2.2	Axle loading, laden front/rear	kg	828/1326
2.3	2.3	Axle loading, unladen front/rear	kg	450/194
	3.1	Tires		PU
2	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 <sub>10</sub> (mm)	540
	3.7	Track, rear	b <sub>11</sub> (mm)	360
	4.2	Lowered mast height	h <sub>1</sub> (mm)	2015
	4.3	Free Lift height	h <sub>2</sub> (mm)	/
	4.4	Lift height	h₃ (mm)	2910
	4.5	Extended mast height	h <sub>4</sub> (mm)	3490
	4.6	Initial lift	h <sub>5</sub> (mm)	105
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	690/1300
	4.15	Height, lowered	h <sub>13</sub> (mm)	90/80
	4.19	Overall length	lı (mm)	1790
	4.20	Length to face of forks	l <sub>2</sub> (mm)	640
	4.21	Overall width	b <sub>1</sub> (mm)	800/
	4.22	Fork dimensions	s/e/l (mm)	60/200/1150
	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	560
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
	5.1	Travel speed, laden/ unladen	Km/h	4/4.5
data	5.2	Lift speed, laden/ unladen	m/s	0.09/0.1
data	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
	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	1
data	8.1	Type of drive control		DC speed control

QES12E







# ELECTRIC WALKIE

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

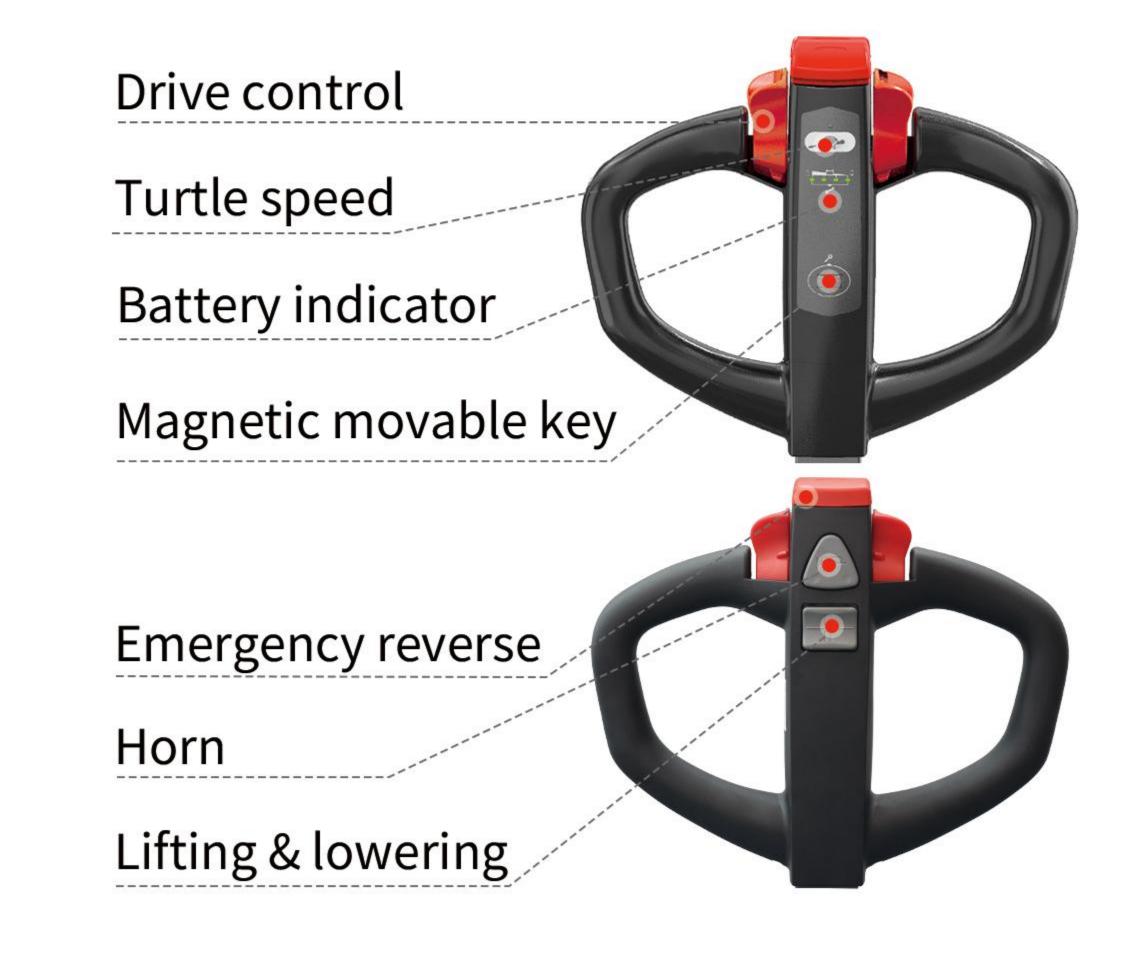
Compact design and economic Short turning radius

Suitable for small space work



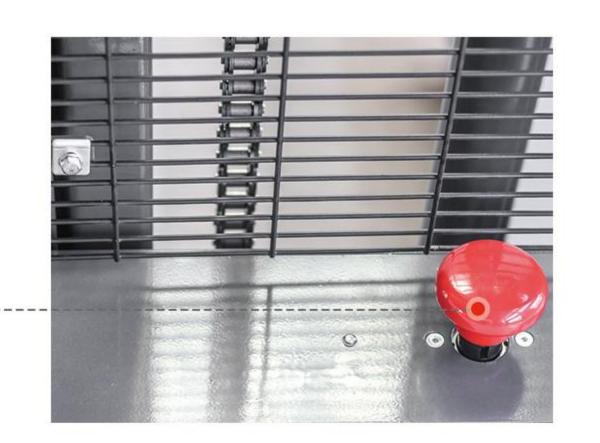






### **Emergency button**

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



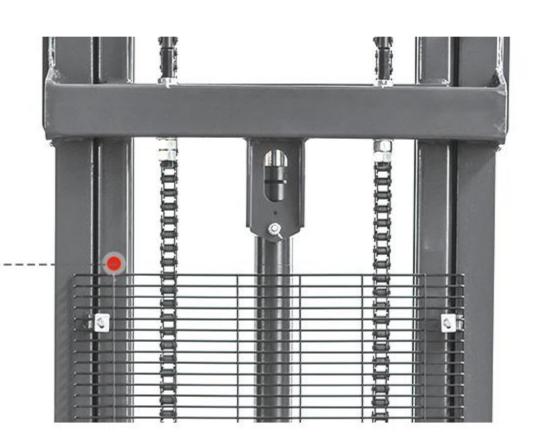
### Long handle

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.



### 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.



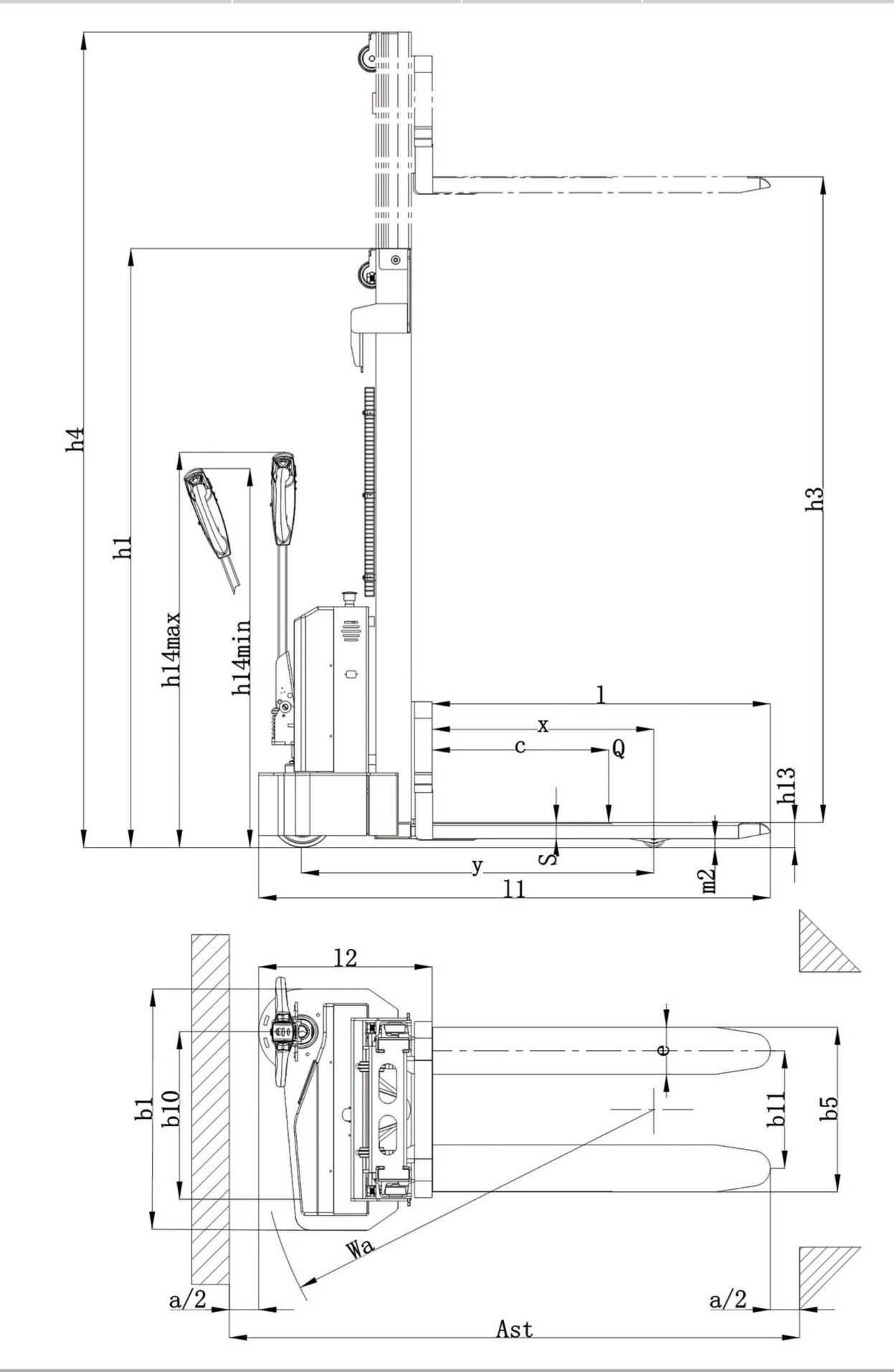
### Security and stability

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

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		
	1530	_	1910	2490	2000		
Two stage most	1780	_	2410	2990	2500		
Two stage mast	2030	_	2910	3490	3000		
	2180	<u> </u>	3210	3790	3300		
Two stage most EEI	2280	<del>_</del>	3410	3990	3500		
Two stage mast FFL (Full-Free-Lift)	_	<u>-</u>	_	_	·—		
Three stage mast	<u>-</u> -	_	_	<u> </u>	<del>-</del>		
Three stage mast FFL (Full-Free-Lift)	-	_	_	_	_		



## Technical Specification

		Manufacturer's type designation		QES10E	QES12E
논	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery	
ma	1.4	Operator type		Pedestriar	1
hing	1.5	Load capacity / Rated load	Q(t)	1.0	1.2
uis	1.6	Load centre distance	C (mm)	600	
Distinguis	1.8	Load distance ,centre of drive axle to fork	X (mm)	754	
Dis	1.9	Wheelbase	Y (mm)	1231	
ب	2.1	Service weight	kg	430	
Weight	2.2	Axle loading, laden front/rear	kg	\	
Š	2.3	Axle loading, unladen front/rear	kg	\	
	3.1	Tires		PU	
	3.2	Tire size, front	⊘×w (mm)	φ210×70	
SSIS	3.3	Tire size, rear	⊘×w (mm)	φ80×70	
CNA	3.4	Additional wheels(dimensions)	⊘×w (mm)	φ150×50	
IIres,	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/2	
	3.6	Track, front	b10 (mm)	570	
	3.7	Track, rear	b11 (mm)	400/520	
	4.2	Lowered mast height	hı (mm)	1530	
	4.3	Free Lift height	h <sub>2</sub> (mm)	\	
	4.4	Lift height	h₃ (mm)	1910	
	4.5	Extended mast height	h4 (mm)	2490	
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	780/1280	
	4.15	Height, lowered	h <sub>13</sub> (mm)	90	
suc	4.19	Overall length	lı (mm)	1750	
Dimensions	4.20	Length to face of forks	l <sub>2</sub> (mm)	590	
ıme	4.21	Overall width	b <sub>1</sub> (mm)	820	
_	4.22	Fork dimensions	s/e/l (mm)	55/160/1125	(1150)
	4.25	Distance between fork-arms	b₅ (mm)	560/680	
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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	
	5.1	Travel speed, laden/ unladen	Km/h	4/4.5	
}	5.2	Lift speed, laden/ unladen	m/s	0.08/0.12	
ata	5.3	Lowering speed, laden/ unladen	m/s	0.12/0.1	
data	5.8	Max. gradeability, laden/ unladen	%	5/8	
	5.10	Service brake		Electromagn	etic
	6.1	Drive motor rating S2 60min	kw	0.75	
e e	6.2	Lift motor rating at S3 4.5%	kw	2.2	
engne	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	)
Electric-	6.5	B Battery weight +/-5%	kg	2×25	<del></del>
П	6.6	Energy consumption acc: to VDI cycle	kWh/h	\	
	8.1	Type of drive control	N.J.I.I.J.II.	DC speed cor	ntrol
data	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	69	
į.	0.4	Southa tever at arriver 3 car acc. to LIV 12033	GD(rt)	03	

QES



## 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

Pin-code handle (For option)



### **Emergency button**

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



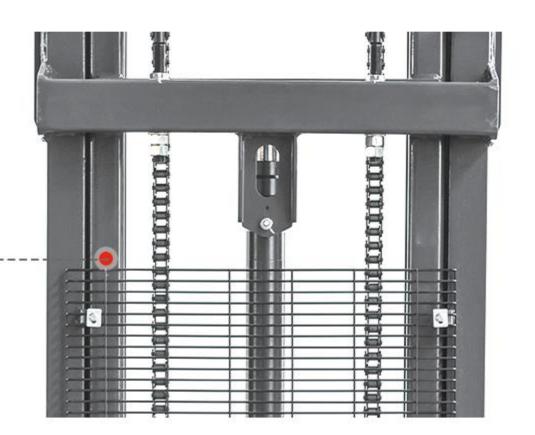
### Long handle

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.



### 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.



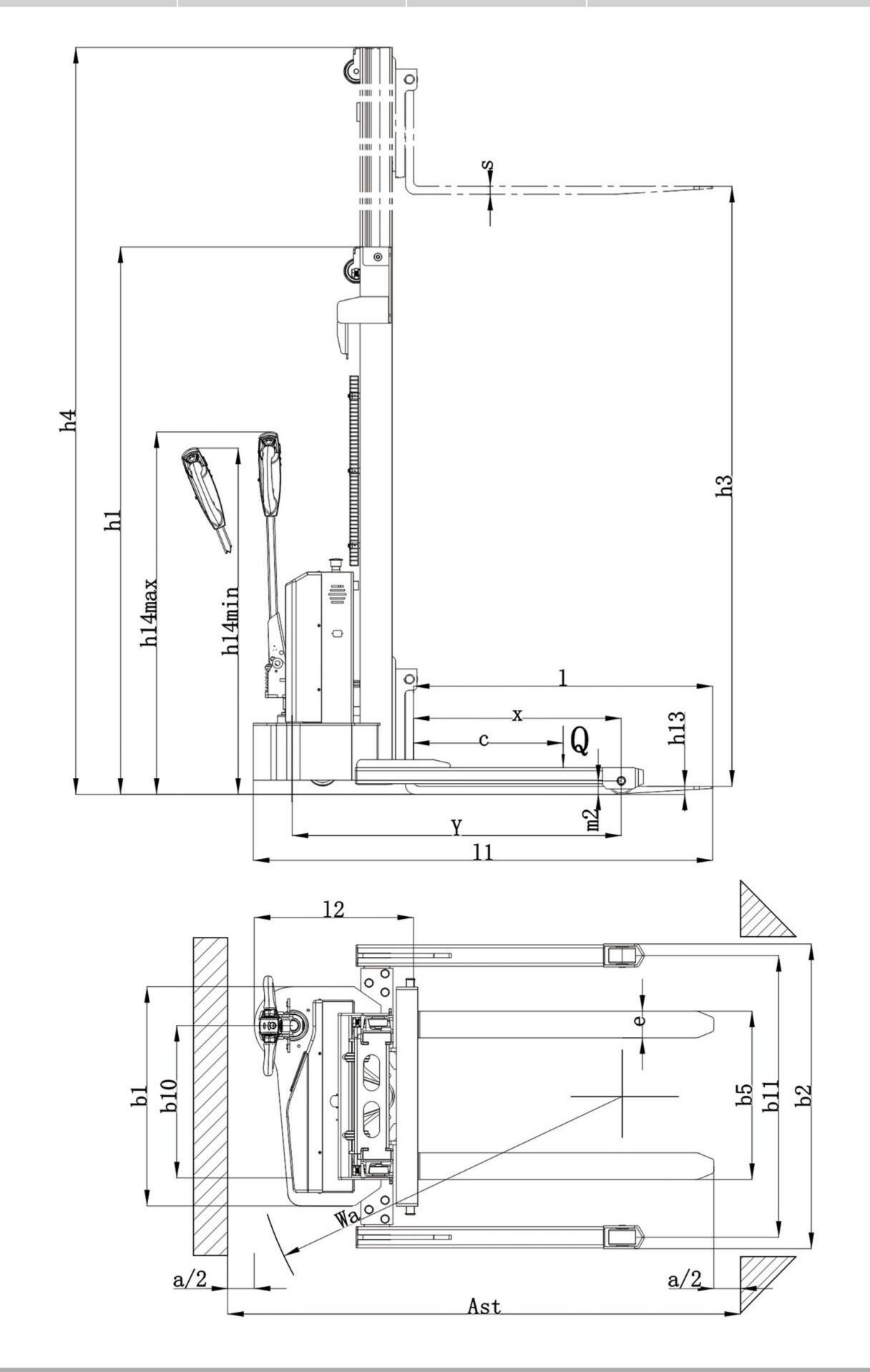
### Security and stability

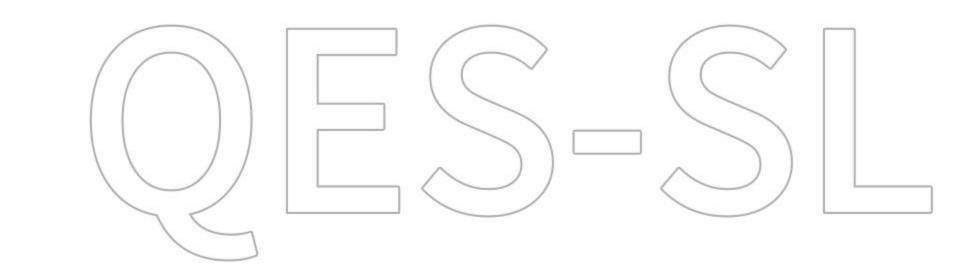
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.



### Intelligent control system

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)
		QE	S-SL		
Single stage mast	2010	<del>_</del>	1510	2010	1600
	1530	<del></del> 0	1910	2490	2000
Two stage mast	1780	<del></del> .	2410	2990	2500
i wo stage mast	2030	<del>-</del>	2910	3490	3000
	2180	<del>-</del>	3210	3790	3300
Two stage mast EEL	2280	<del></del> .:	3410	3990	3500
Two stage mast FFL (Full-Free-Lift)		<del></del>	-	-	<del>,</del>
Three stage mast	_		<del>-</del>	<del>-</del>	-
Three stage mast FFL (Full-Free-Lift)	<del>-</del>	<del></del> ::	·—	<del>-</del>	<del>-</del>





## Technical Specification

		Manufacturer's type designation		QES-SL
<u> </u>	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
$\sigma$	1.4	Operator type		Pedestrian
50 = 1	1.5	Load capacity / Rated load	Q(t)	1.0 1.2
Distinguishing 1	1.6	Load centre distance	C (mm)	600
1 1	1.8	Load distance ,centre of drive axle to fork	X (mm)	754
	1.9	Wheelbase	Y (mm)	1210
_ 2	2.1	Service weight	kg	520
2 2 2	2.2	Axle loading, laden front/rear	kg	\
2	2.3	Axle loading, unladen front/rear	kg	\
3	3.1	Tires		PU
	3.2	Tire size, front	⊘×w (mm)	φ210×70
3	3.3	Tire size, rear	⊘×w (mm)	φ80×70
	3.4	Additional wheels(dimensions)	⊘×w (mm)	φ150×50
3	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/2
3	3.6	Track, front	b10 (mm)	570
3	3.7	Track, rear	b11 (mm)	1055~1335
4	4.2	Lowered mast height	h <sub>1</sub> (mm)	1530
4	4.3	Free Lift height	h <sub>2</sub> (mm)	\
4	4.4	Lift height	h₃ (mm)	1910
4	4.5	Extended mast height	h <sub>4</sub> (mm)	2490
4	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	780/1280
4.	.15	Height, lowered	h <sub>13</sub> (mm)	70
4.	.19	Overall length	lı (mm)	1750
4.	.20	Length to face of forks	l <sub>2</sub> (mm)	590
4. 4. 4.	.21	Overall width	b <sub>1</sub> (mm)	820
100	.22	Fork dimensions	s/e/l (mm)	30/100/1070
4.	.25	Distance between fork-arms	b₅ (mm)	210~800
4.	.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
5	5.1	Travel speed, laden/ unladen	Km/h	4/4.5
5 data 5	5.2	Lift speed, laden/ unladen	m/s	0.08/0.12
<b>ata</b> 5	5.3	Lowering speed, laden/ unladen	m/s	0.12/0.1
5	5.8	Max. gradeability, laden/ unladen	%	5/8
5.	5.10	Service brake		Electromagnetic
6	6.1	Drive motor rating S2 60min	kw	0.75
6	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	6.4	Battery voltage, nominal capacity K5	V/Ah	24/70(100)
6	6.5	B Battery weight +/-5%	kg	200/250
	6.6	Energy consumption acc: to VDI cycle	kWh/h	
8	8.1	Type of drive control		DC speed control
at	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	69

# QES15E

# ELECTRIC PALLET STACKER

Capacity 1500 KGS

Drive by lithium battery

Designed with long handle

Lift up to 1510 mm - 3910 mm

Compact design

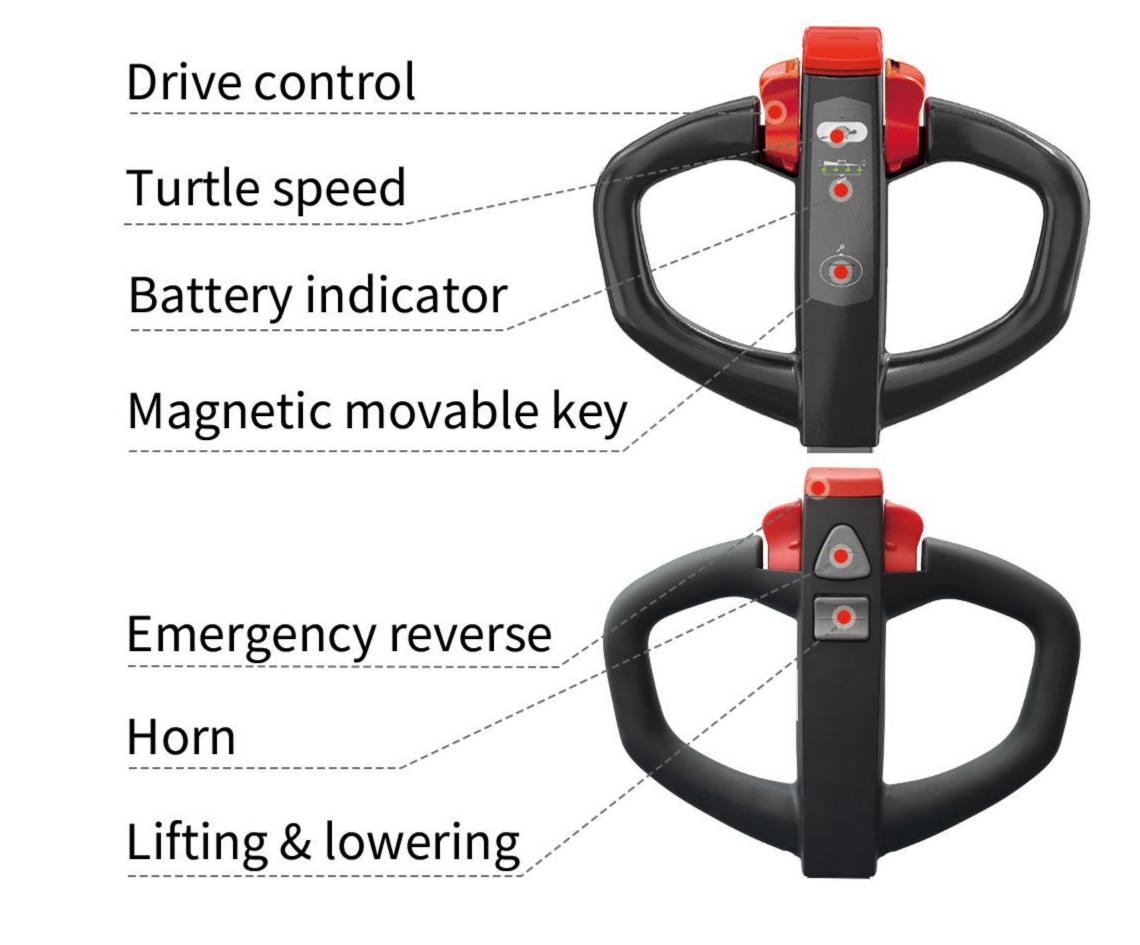
Short turning radius

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.

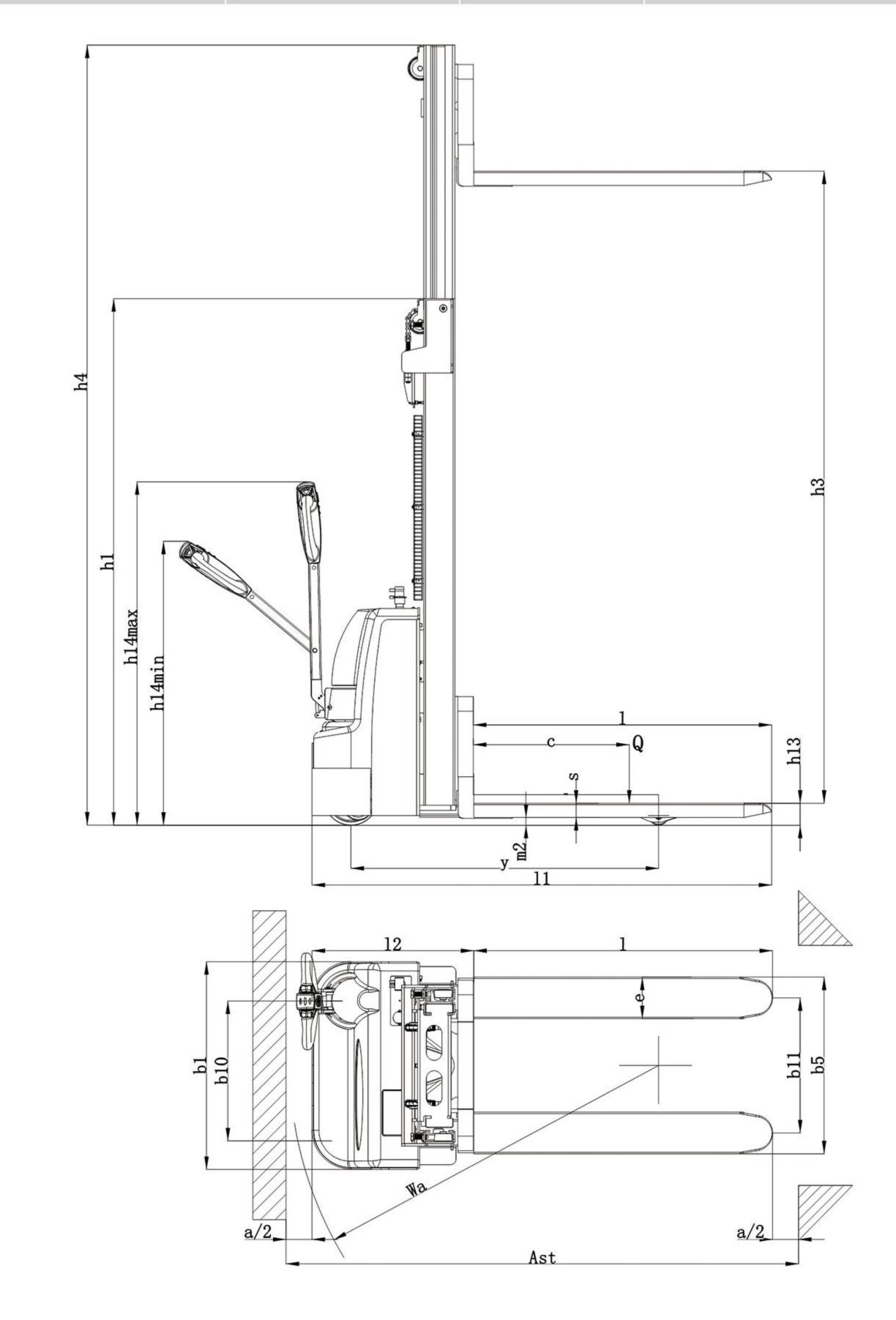


### Intelligent control system

QES15E

## **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)
		QE	S15E		
Single stage mast	2080	<u> </u>	1510	2080	1600
	1530	_	1910	2490	2000
	1780	, <del>_</del>	2410	2990	2500
	2030	_	2910	3490	3000
Two stage mast	2180	-	3210	3790	3300
	2280	<del>_</del>	3410	3990	3500
	2330	_	3510	4090	3600
	2530	-	3910	4490	4000
Two stage mast FFL (Full-Free-Lift)	_	-	-	-	
Three stage mast	_	_	_	_	_
Three stage mast FFL (Full-Free-Lift)	<del>-</del>	-	_	-	_



# Technical Specification

		Manufacturer's type designation		QES15E
논	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
mark	1.4	Operator type		Pedestrian
ing	1.5	Load capacity / Rated load	Q(t)	1.5
uis	1.6	Load centre distance	C (mm)	600
Distinguishing	1.8	Load distance ,centre of drive axle to fork	X (mm)	715
Dis	1.9	Wheelbase	Y (mm)	1190
ᇁ	2.1	Service weight	kg	500
Weight	2.2	Axle loading, laden front/rear	kg	620/1380
×	2.3	Axle loading, unladen front/rear	kg	370/130
	3.1	Tires		PU
	3.2	Tire size, front	⊘×w (mm)	φ210×70
chassis	3.3	Tire size, rear	⊘×w (mm)	φ80×70
cha	3.4	Additional wheels(dimensions)	⊘×w (mm)	φ150×50
Tires,	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/4
۲	3.6	Track, front	b <sub>10</sub> (mm)	540
	3.7	Track, rear	b11 (mm)	400/520
	4.2	Lowered mast height	hı (mm)	2030
	4.3	Free Lift height	h <sub>2</sub> (mm)	\
	4.4	Lift height	h₃ (mm)	2910
	4.5	Extended mast height	h <sub>4</sub> (mm)	3490
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	690/1300
	4.15	Height, lowered	h <sub>13</sub> (mm)	90
suc	4.19	Overall length	lı (mm)	1780
Dimensions	4.20	Length to face of forks	l <sub>2</sub> (mm)	630
ime	4.21	Overall width	b1 (mm)	800
	4.22	Fork dimensions	s/e/l (mm)	55/160/1150 (1220)
	4.25	Distance between fork-arms	b₅ (mm)	560/680
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	30
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2224
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2189
	4.35	Turning radius	Wa (mm)	1360
	5.1	Travel speed, laden/ unladen	Km/h	4/4.5
Performance data	5.2	Lift speed, laden/ unladen	m/s	0.06/0.11
rma ata	5.3	Lowering speed, laden/ unladen	m/s	0.09/0.06
erfo d	5.8	Max. gradeability, laden/ unladen	%	3/7
٩	5.10	Service brake		Electromagnetic
	6.1	Drive motor rating S2 60min	kw	0.75
ne	6.2	Lift motor rating at S3 4.5%	kw	2.2
engine	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)
Electric-	6.5	B Battery weight +/-5%	kg	2×25
ш	6.6	Energy consumption acc: to VDI cycle	kWh/h	/
nal	8.1	Type of drive control		DC speed control
Additional data	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	69
		er specification parameters, please refer to the attached table	GD(/I)	



# 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



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.

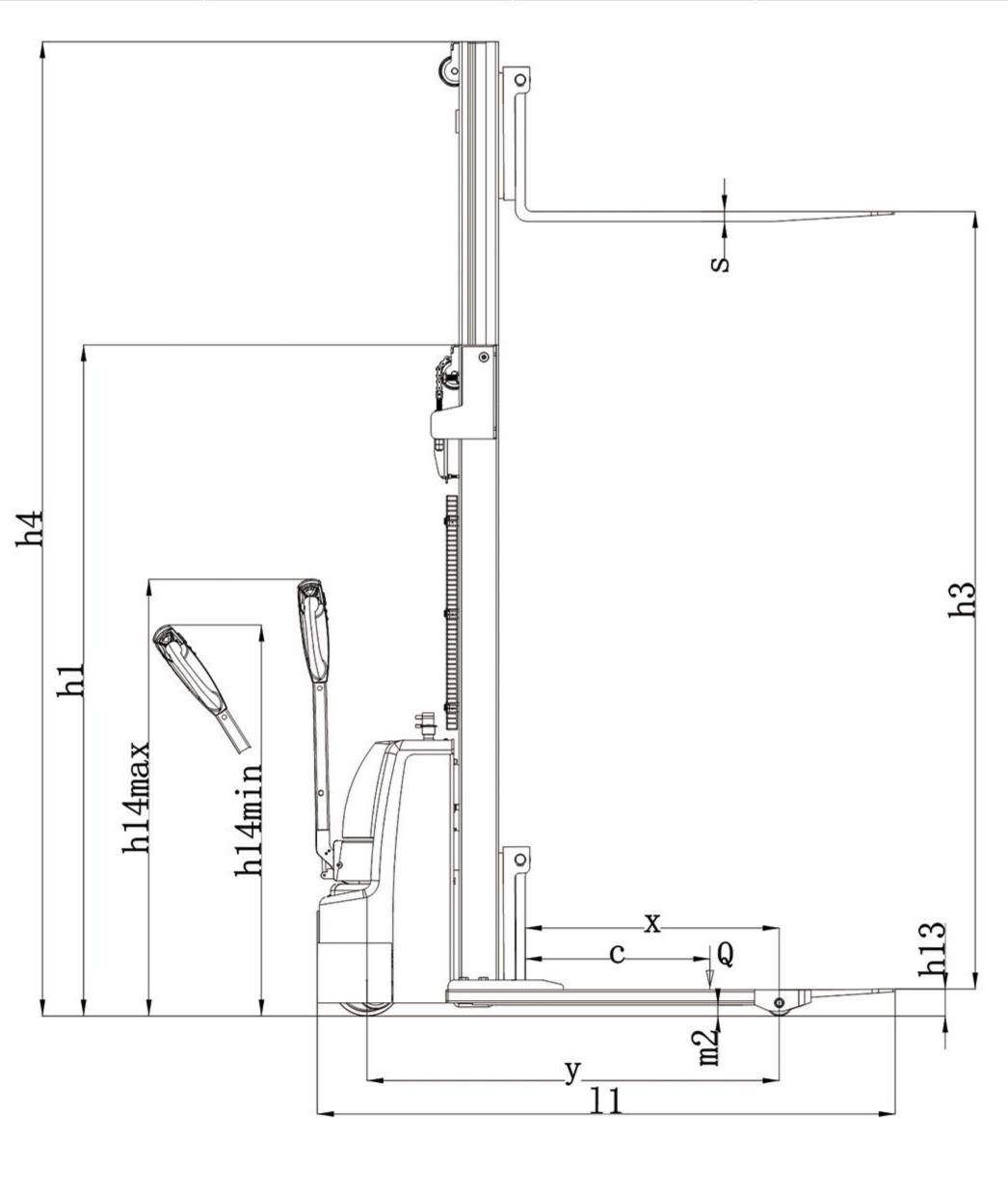


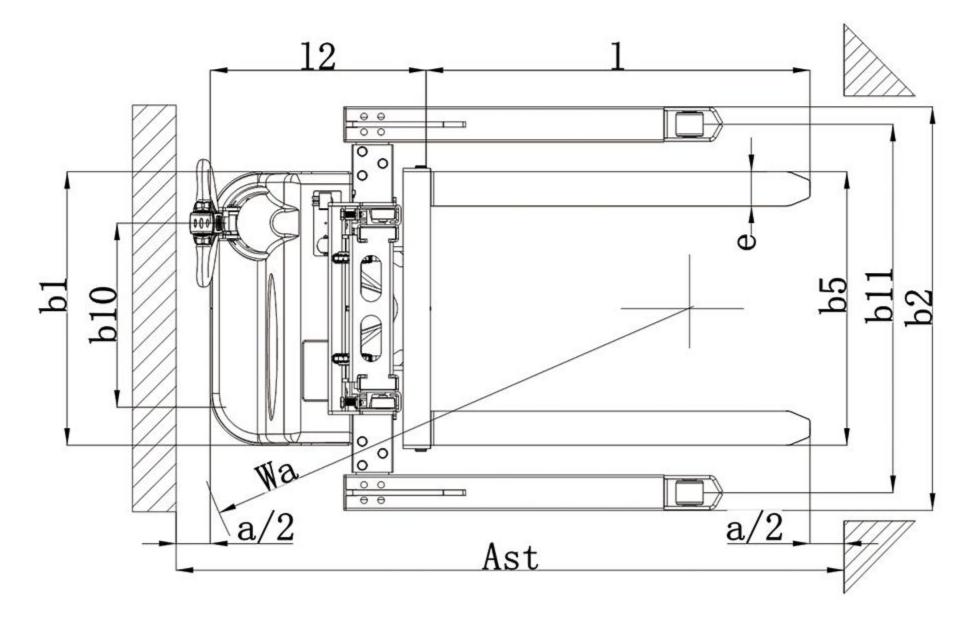
### Intelligent control system

# 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	S-ESL		
Single stage mast	2010	_	1510	2010	1600
	1530	-	1910	2490	2000
Two stage most	1780	_	2410	2990	2500
Two stage mast	2030	_	2910	3490	3000
	2180	<del>-</del>	3210	3790	3300
Two stage most EEL	2280	<del>_</del>	3410	3990	3500
Two stage mast FFL (Full-Free-Lift)	_		-	<del></del> -	\$ <del></del>
Three stage mast	<del>_</del>		_	<del></del> ,	_
Three stage mast FFL (Full-Free-Lift)	_	<del>-</del>	-	<del></del> -	_





# QES15E-SL

## Technical Specification

		Manufacturer's type designation		QES-	-ESL
<b>4</b>	1.3	Power (battery ,diesel, petrol, gas, manual)		Batt	ery
۲   اا	1.4	Operator type		Pedes	strian
stinguishing	1.5	Load capacity / Rated load	Q(t)	1.2	1.5
	1.6	Load centre distance	C (mm)	50	00
	1.8	Load distance ,centre of drive axle to fork	X (mm)	77	70
	1.9	Wheelbase	Y (mm)	12:	50
	2.1	Service weight	kg	52	20
Weignt	2.2	Axle loading, laden front/rear	kg	\	
	2.3	Axle loading, unladen front/rear	kg		
	3.1	Tires		PI	U
	3.2	Tire size, front	⊘×w (mm)	ф210	×70
citabolis	3.3	Tire size, rear	⊘×w (mm)	ф80	×70
	3.4	Additional wheels(dimensions)	⊘×w (mm)	ф150	×50
11143,	3.5	Wheels, number front/rear(x=driven wheels)		1x+	1/4
<u> </u>	3.6	Track, front	b10 (mm)	54	10
	3.7	Track, rear	b <sub>11</sub> (mm)	1090/12	230/1370
	4.2	Lowered mast height	hı (mm)	15:	30
2	4.3	Free Lift height	h <sub>2</sub> (mm)		
	4.4	Lift height	h₃ (mm)	19.	10
	4.5	Extended mast height	h <sub>4</sub> (mm)	24	90
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	780/	1315
	4.15	Height, lowered	h <sub>13</sub> (mm)	9	0
ons	4.19	Overall length	lı (mm)	17:	50
umensions	4.20	Length to face of forks	l <sub>2</sub> (mm)	68	30
Ĕ	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub> (mm)	800/(1190/	/1330/1470)
-	4.22	Fork dimensions	s/e/l (mm)	35/100	)/1070
	4.25	Distance between fork-arms	b₅ (mm)	210~	800
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	3	0
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	23.	58
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	23	02
	4.35	Turning radius	Wa (mm)	15	15
y.	5.1	Travel speed, laden/ unladen	Km/h	4/4	1.5
	5.2	Lift speed, laden/ unladen	m/s	0.06	/0.11
lata	5.3	Lowering speed, laden/ unladen	m/s	0.09	/0.06
data	5.8	Max. gradeability, laden/ unladen	%	3/	77
	5.10	Service brake		Electron	nagnetic
	6.1	Drive motor rating S2 60min	kw	0.7	75
שַ	6.2	Lift motor rating at S3 4.5%	kw	2.	2
בווצווב	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no			
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/80	0(100)
בוברווור-	6.5	B Battery weight +/-5%	kg	2×	25
	6.6	Energy consumption acc: to VDI cycle	kWh/h	\	
data	8.1	Type of drive control		DC spee	d control
dat	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	69	9





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

Speed control Horn



Emergency reverse



Turn on & off



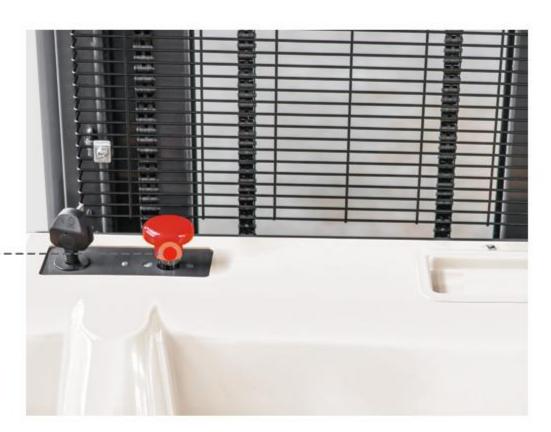
### Reinforced chain

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.



### 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.

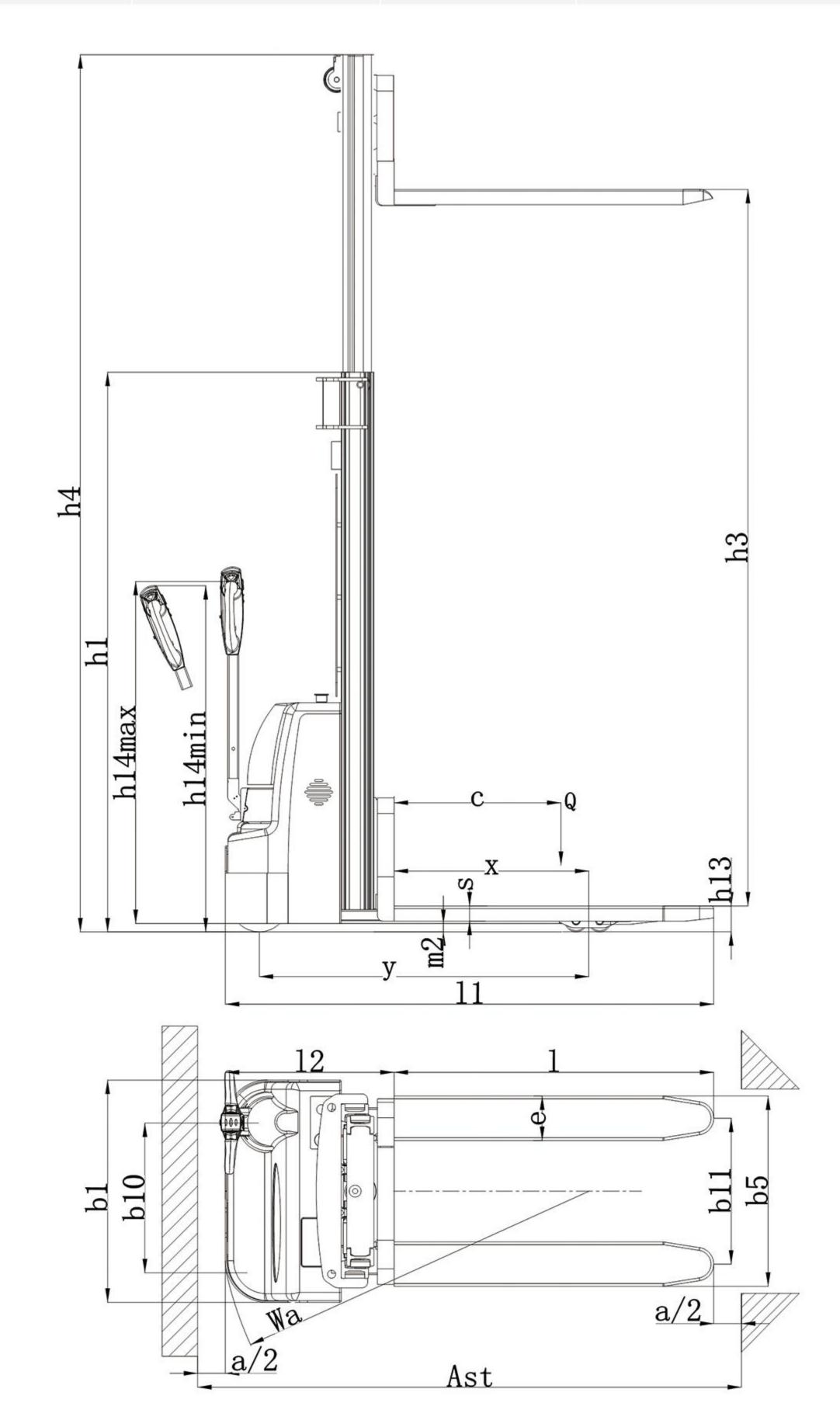


### Intelligent control system

# 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		
	1530	<del>-</del>	2410	2990	2500		
Two stage mast	2030	_	2910	3090	3000		
I wo stage mast	2180	_	3210	3790	3300		
	2280	_	3410	3990	3500		
Two stage mast FFL (Full-Free-Lift)	=	<del>-</del>	-	-	-		
	1675	_	3410	3990	3500		
Three stage mast	1845	-	3910	4490	4000		
	2015	· <del>-</del>	4410	4990	4500		
Three stage mast FFL (Full-Free-Lift)			-		_		



# QESI5E-PW

## Technical Specification

		Manager and the state of the st		OFC1FF DV
	10	Manufacturer's type designation		QES15E-PV
4	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
	1.4	Operator type	0(4)	Pedestrian
9	1.5	Load capacity / Rated load	Q(t)	1.5
0	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
	2.1	Service weight	kg	620
	2.2	Axle loading, laden front/rear	kg L	\
	2.3	Axle loading, unladen front/rear	kg	\
	3.1	Tires		PU
	3.2	Tire size, front	Ø×w (mm)	φ210×70
	3.3	Tire size, rear	Ø×w (mm)	φ80×70
	3.4	Additional wheels(dimensions)	Ø×w (mm)	φ150×50
	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/4
	3.6	Track, front	b <sub>10</sub> (mm)	540
	3.7	Track, rear	b <sub>11</sub> (mm)	530
	4.2	Lowered mast height	h <sub>1</sub> (mm)	1675
	4.3	Free Lift height	h <sub>2</sub> (mm)	\
	4.4	Lift height	h₃ (mm)	3410
	4.5	Extended mast height	h <sub>4</sub> (mm)	3990
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	\
	4.15	Height, lowered	h <sub>13</sub> (mm)	90
	4.19	Overall length	lı (mm)	1780
	4.20	Length to face of forks	l <sub>2</sub> (mm)	630
	4.21	Overall width	b1 (mm)	800
	4.22	Fork dimensions	s/e/l (mm)	55/160/1070 (1150)
	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	560/685
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
	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
data	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
	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	\
data	8.1	Type of drive control		DC speed control
2		Sound level at driver's ear acc. to EN 12053	dB(A)	69



# QES20E

# ELECTRIC PALLET STACKER

Capacity 2000 KGS

Drive by lithium battery

Designed with long handle

Lift up to 1910 mm - 3410 mm

Compact design

Short turning radius

Suitable for small warehouse operations

### Emergency reverse

Horn Speed control Lifting & Lowering

Drive control Turtle speed

**Battery indicator** 

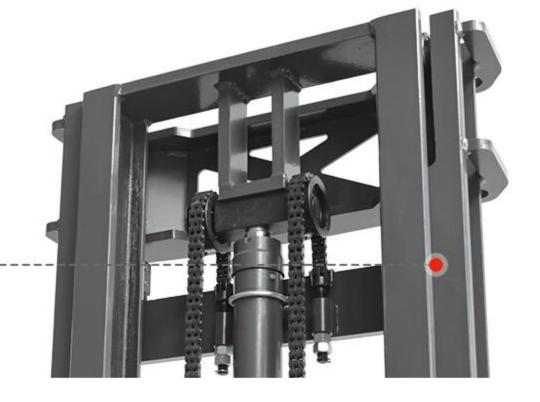


### **Emergency button**

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

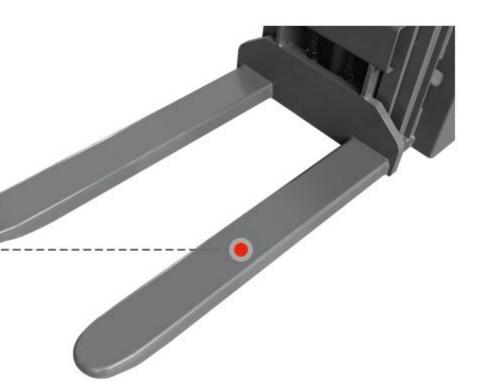
### Thickened mast frame

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.



### 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.



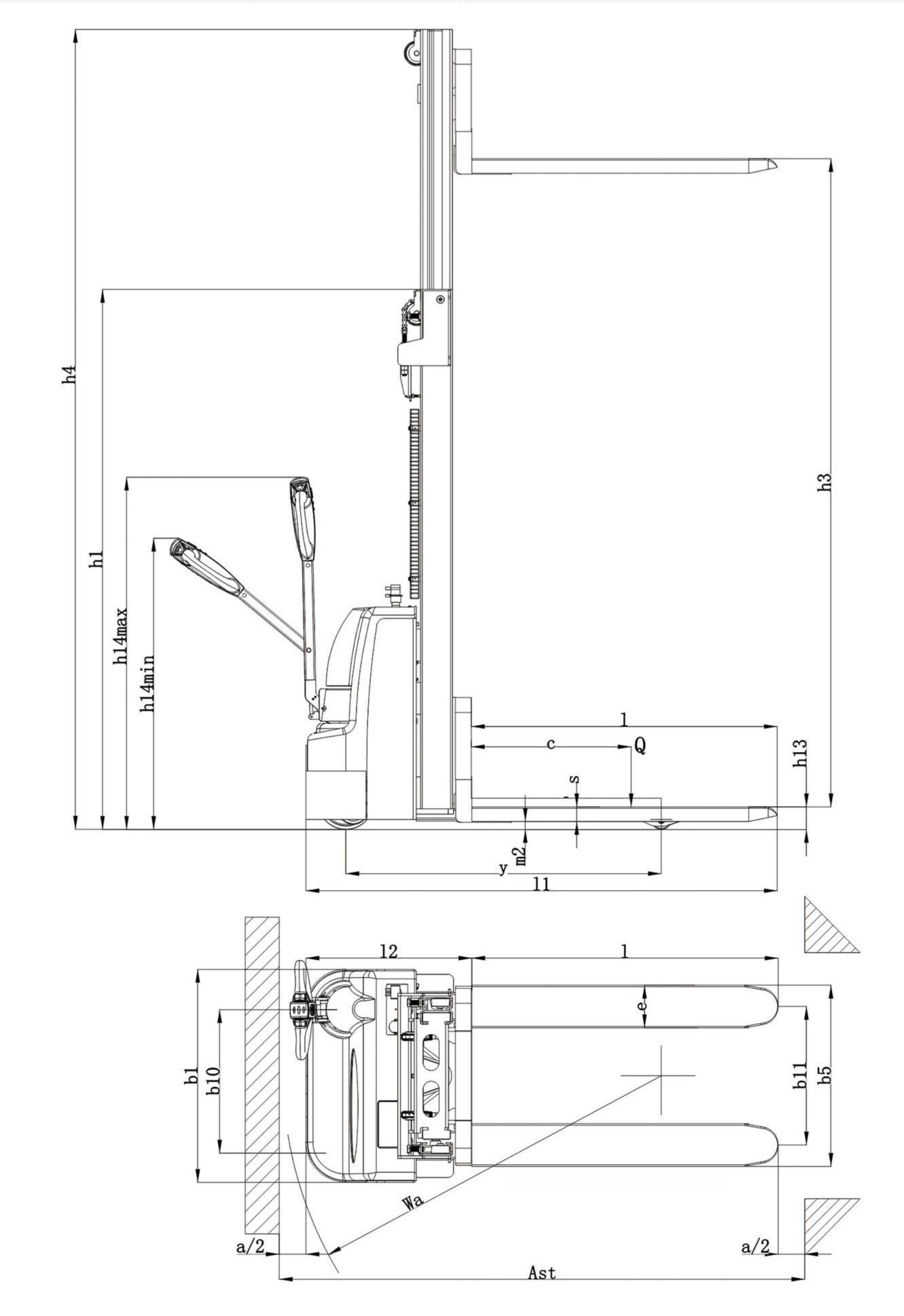
### Intelligent control system

QES20E

# 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)
		QE	S20E		
Single stage mast		_	_	<del>_</del>	_
	1515	_	1910	2490	2000
Two stage mast	1765	, <del></del> :	2410	2990	2500
i wo stage mast	2015	_	2910	3490	3000
	2265	-	3410	3990	3500
Two stage mast FFL (Full-Free-Lift)		_	_	_	_
Three stage mast	<del></del> :	-	_	_	-
Three stage mast FFL (Full-Free-Lift)	<del></del>	_	_	_	



# Technical Specification

		Manufacturer's type designation		QES20E
<b>4</b>	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
	1.4	Operator type		Pedestrian
Distinguishing	1.5	Load capacity / Rated load	Q(t)	2.0
SID	1.6	Load centre distance	C (mm)	600
90 10 10 10 10 10 10 10 10 10 10 10 10 10	1.8	Load distance ,centre of drive axle to fork	X (mm)	700
	1.9	Wheelbase	Y (mm)	1145
<u>.</u>	2.1	Service weight	kg	666
weignt	2.2	Axle loading, laden front/rear	kg	\
3	2.3	Axle loading, unladen front/rear	kg	\
	3.1	Tires		PU
	3.2	Tire size, front	⊘×w (mm)	φ210×70
cnassis	3.3	Tire size, rear	⊘×w (mm)	φ80×70
i cur	3.4	Additional wheels(dimensions)	⊘×w (mm)	φ115×55
llres,	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/4
-	3.6	Track, front	b10 (mm)	550
	3.7	Track, rear	b11 (mm)	525
4	4.2	Lowered mast height	h <sub>1</sub> (mm)	2015
4	4.3	Free Lift height	h <sub>2</sub> (mm)	\
4	4.4	Lift height	h₃ (mm)	2910
4	4.5	Extended mast height	h <sub>4</sub> (mm)	3490
4	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	690/1300
4	1.15	Height, lowered	h <sub>13</sub> (mm)	90
suo 4	1.19	Overall length	lı (mm)	1740
suoisuamin	1.20	Length to face of forks	l <sub>2</sub> (mm)	590
Ē 4	1.21	Overall width	b1 (mm)	800
18	1.22	Fork dimensions	s/e/l (mm)	60/160/1150
4	1.25	Distance between fork-arms	b <sub>5</sub> (mm)	570/685
4	1.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	30
4	1.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2187
4	1.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2156
4	1.35	Turning radius	Wa (mm)	1316
. !	5.1	Travel speed, laden/ unladen	Km/h	4.89/4.9
	5.2	Lift speed, laden/ unladen	m/s	0.09/0.11
data	5.3	Lowering speed, laden/ unladen	m/s	0.14/0.09
	5.8	Max. gradeability, laden/ unladen	%	6/10
5	5.10	Service brake		Electromagnetic
	6.1	Drive motor rating S2 60min	kw	0.9
a line	6.2	Lift motor rating at S3 4.5%	kw	3.0
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		/
<b>.</b>	6.4	Battery voltage, nominal capacity K5	V/Ah	4×12/65
	6.5	B Battery weight +/-5%	kg	4×16
	6.6	Energy consumption acc: to VDI cycle	kWh/h	/
ia 8	8.1	Type of drive control		DC speed control
data	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	70



# 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

### 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.



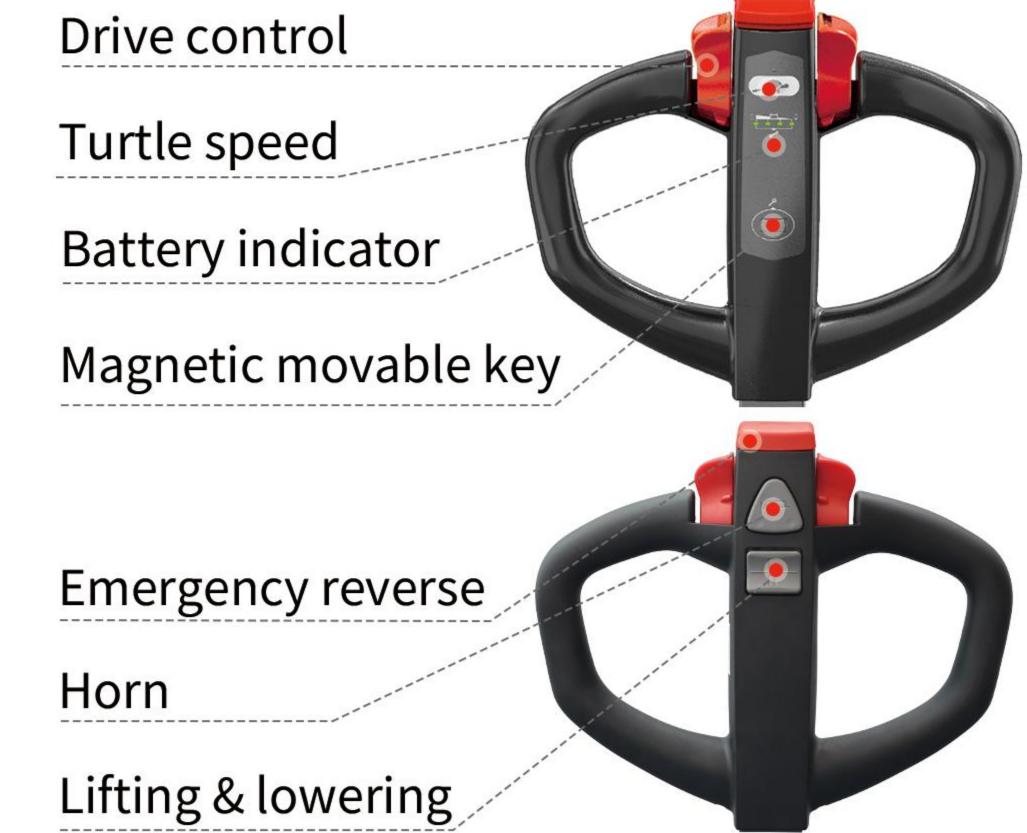
### Intelligent control system

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





Pin-code handle



### 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.



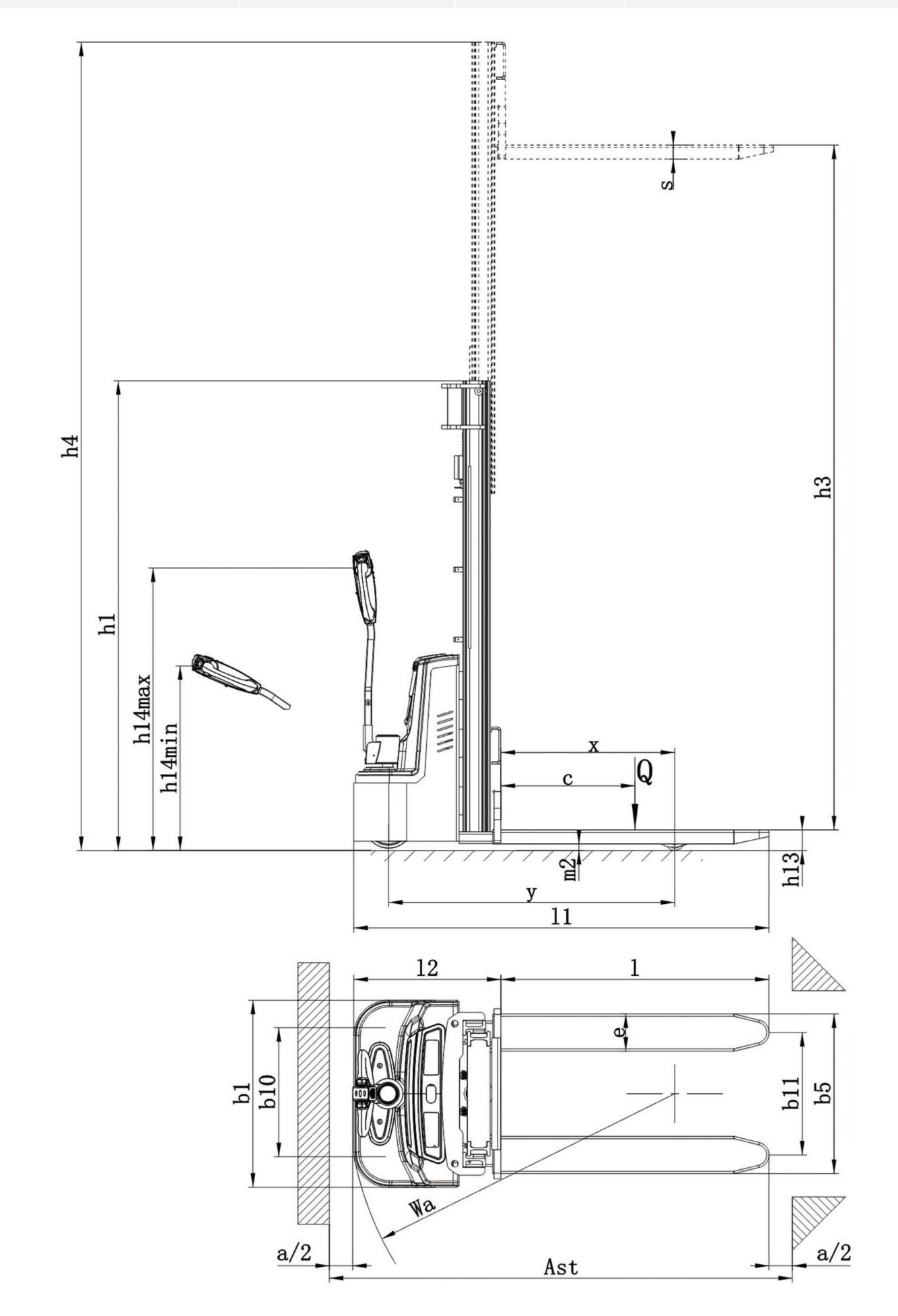
### Adjustable legs

Adapt to uneven ground and different sizes of goods.





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)
		Ç	ES15M		
Single stage mast	_	_	_	<del></del>	1600
	1768	-	1910	2743	2000
Ture stage most	2018	_	2410	3243	2500
Two stage mast	2268	<u>-</u> -	2910	3743	3000
	2518	<del>-</del>	3410	4243	3500
Two stage mast FFL (Full-Free-Lift)	<del></del> -	<del></del>	<del>-</del>	-	-
Three stage mast					-
Three stage mast FFL (Full-Free-Lift)		-	_		-



## Technical Specification

		Manufacturer's type designation		QES15M
논	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
mai	1.4	Operator type		Pedestrian
ing	1.5	Load capacity / Rated load	Q(t)	1.5
Distinguishing	1.6	Load centre distance	C (mm)	600
ting	1.8	Load distance ,centre of drive axle to fork	X (mm)	746
Dis	1.9	Wheelbase	Y (mm)	1231
پ	2.1	Service weight	kg	601
Weight	2.2	Axle loading, laden front/rear	kg	\
We	2.3	Axle loading, unladen front/rear	kg	\
	3.1	Tires		PU
	3.2	Tire size, front	⊘×w (mm)	φ210×70
chassis	3.3	Tire size, rear	⊘×w (mm)	φ80×70
cha	3.4	Additional wheels(dimensions)	⊘×w (mm)	φ150×50
Tires,	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/4
	3.6	Track, front	b <sub>10</sub> (mm)	540
	3.7	Track, rear	b11 (mm)	405/525
	4.2	Lowered mast height	hı (mm)	2268
	4.3	Free Lift height	h <sub>2</sub> (mm)	\
	4.4	Lift height	h₃ (mm)	2910
	4.5	Extended mast height	h <sub>4</sub> (mm)	2743
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	715/1240
	4.15	Height, lowered	h <sub>13</sub> (mm)	90
suc	4.19	Overall length	lı (mm)	1780
Dimensions	4.20	Length to face of forks	l <sub>2</sub> (mm)	630
ime	4.21	Overall width	b <sub>1</sub> (mm)	802
	4.22	Fork dimensions	s/e/l (mm)	60/160/1150
	4.25	Distance between fork-arms	b₅ (mm)	560/685
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
	5.1	Travel speed, laden/ unladen	Km/h	4.1/4.4
11Ce	5.2	Lift speed, laden/ unladen	m/s	0.07/0.11
ata	5.3	Lowering speed, laden/ unladen	m/s	0.09/0.11
Periormance data	5.8	Max. gradeability, laden/ unladen	%	3/10
<u>.</u>	5.10	Service brake		Electromagnetic
	6.1	Drive motor rating S2 60min	kw	0.75
ine	6.2	Lift motor rating at S3 4.5%	kw	2.2
engine	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		\
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/85
Electric-	6.5	B Battery weight +/-5%	kg	26
ш	6.6	Energy consumption acc: to VDI cycle	kWh/h	\
nal I	8.1	Type of drive control		DC speed control
Additional data	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	69
₹	0.1	Journa tever at arriver 5 car acc. to LIV 12055		03



# 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

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.



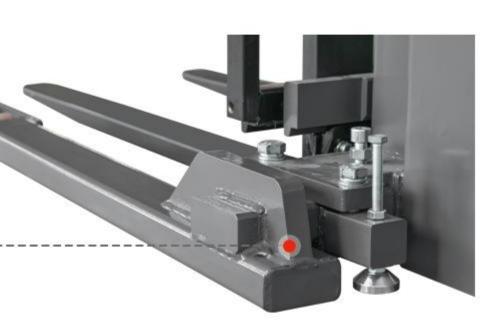
### Thickened mast frame

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



### Adjustable legs

Adapt to uneven ground and different sizes of goods.



### 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

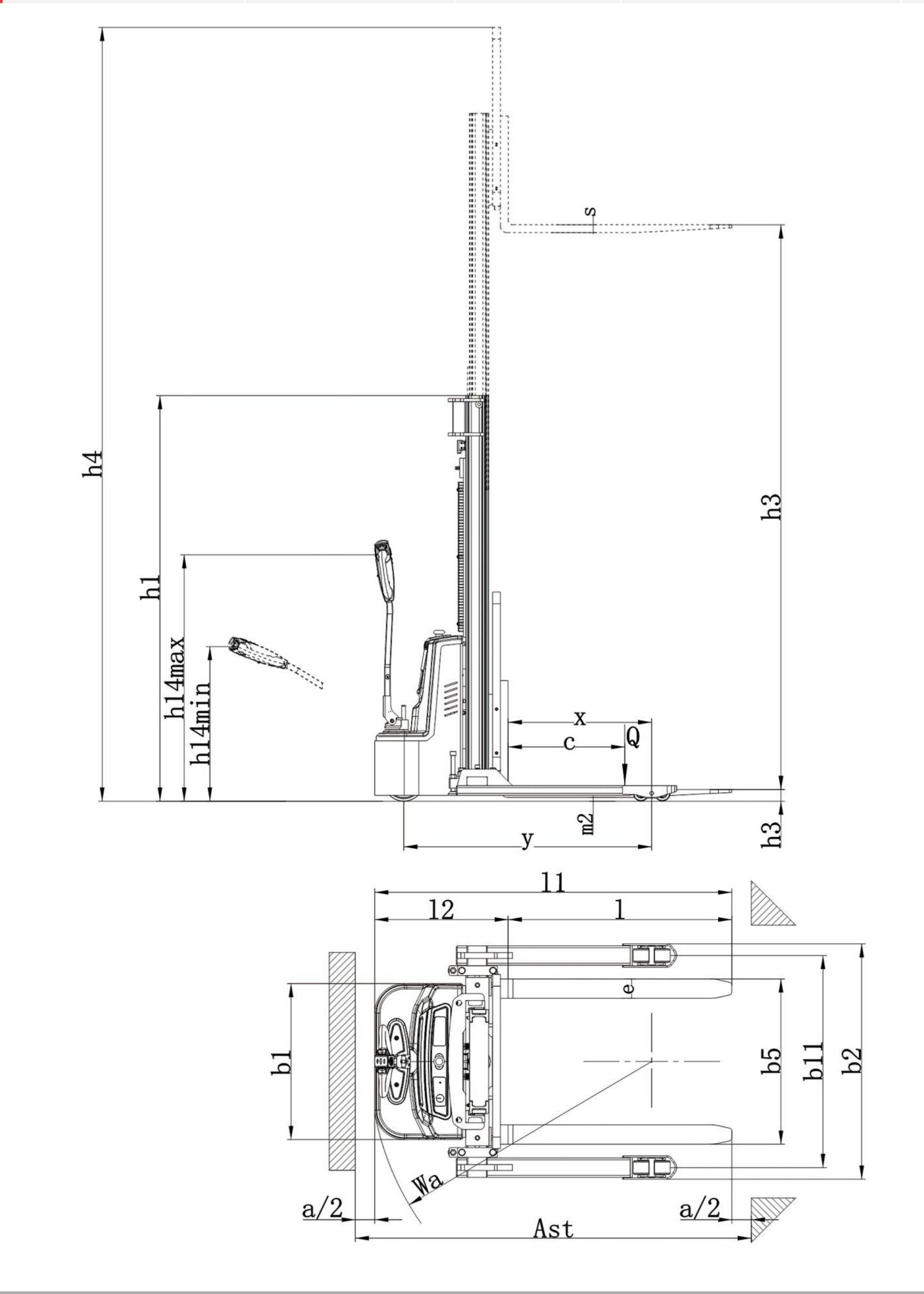
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.



### Intelligent control system



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	S15MSL		
Single stage mast	2135	<del>-</del>	1540	2135	1600
	1635	=	1955	2605	2000
Two stage mast	1885	_	2455	3105	2500
	2087	_	2955	4030	3000
	2385	_	3455	4105	3500
Two stage mast FFL (Full-Free-Lift)	<del></del> .		-		-
Three stage mast	-	=	-		-
Three stage mast FFL (Full-Free-Lift)		_	_	_	_



# Technical Specification

		Manufacturer's type designation		QES15MSL
ark	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
	1.4	Operator type		Pedestrian
	1.5	Load capacity / Rated load	Q(t)	1.5
nisi	1.6	Load centre distance	C (mm)	600
5 50 50	1.8	Load distance ,centre of drive axle to fork	X (mm)	738
ht Distinguishing	1.9	Wheelbase	Y (mm)	1275
3) (3)	2.1	Service weight	kg	765
Weight	2.2	Axle loading, laden front/rear	kg	\
	2.3	Axle loading, unladen front/rear	kg	\
	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)	\
5	3.5	Wheels, number front/rear(x=driven wheels)		1x/4
	3.6	Track, front	b10 (mm)	\
	3.7	Track, rear	b11 (mm)	1090~1490
	4.2	Lowered mast height	hı (mm)	2087
	4.3	Free Lift height	h <sub>2</sub> (mm)	
	4.4	Lift height	h₃ (mm)	2955
	4.5	Extended mast height	h <sub>4</sub> (mm)	4030
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	725/1218
	4.15	Height, lowered	h <sub>13</sub> (mm)	60
2	4.19	Overall length	lı (mm)	1843
2	4.20	Length to face of forks	l <sub>2</sub> (mm)	690
	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub> (mm)	802/(1210-1610)
3	4.22	Fork dimensions	s/e/l (mm)	40/100/1150
	4.25	Distance between fork-arms	b₅ (mm)	210~850
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
	5.1	Travel speed, laden/ unladen	Km/h	4.2/4.6
	5.2	Lift speed, laden/ unladen	m/s	0.07/0.11
data	5.3	Lowering speed, laden/ unladen	m/s	0.11/0.13
Ğ	5.8	Max. gradeability, laden/ unladen	%	6/8
	5.10	Service brake	/ · ·	Electromagnetic
	6.1	Drive motor rating S2 60min	kw	0.75
2	6.2	Lift motor rating at S3 4.5%	kw	2.2
211181112	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no	NVV	1
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/80(100)
דוברנוור	6.5		kg	25.5/33.6
í	6.6	B Battery weight +/-5%  Energy consumption acc: to VDI cycle	kWh/h	23.3/33.0
data		Energy consumption acc: to VDI cycle	KVVII/II	DC speed control
	8.1	Type of drive control		De speed control

# QES15E-P

# RIDER-CONTROL ELECTRIC PALLET STACKER

Capacity 1500 KGS Lift up to 1600mm - 4000mm Drive by lead-acid battery

### Solid metal fork

Foldable platform

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

The operator can choose the operate type

by walking or riding on flatform.



### Thickened mast frame

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



Driving control

Emergency reverse

Turtle speed

Key lock

Horn

Lifting & lowering

**Battery indicator** 



### **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.

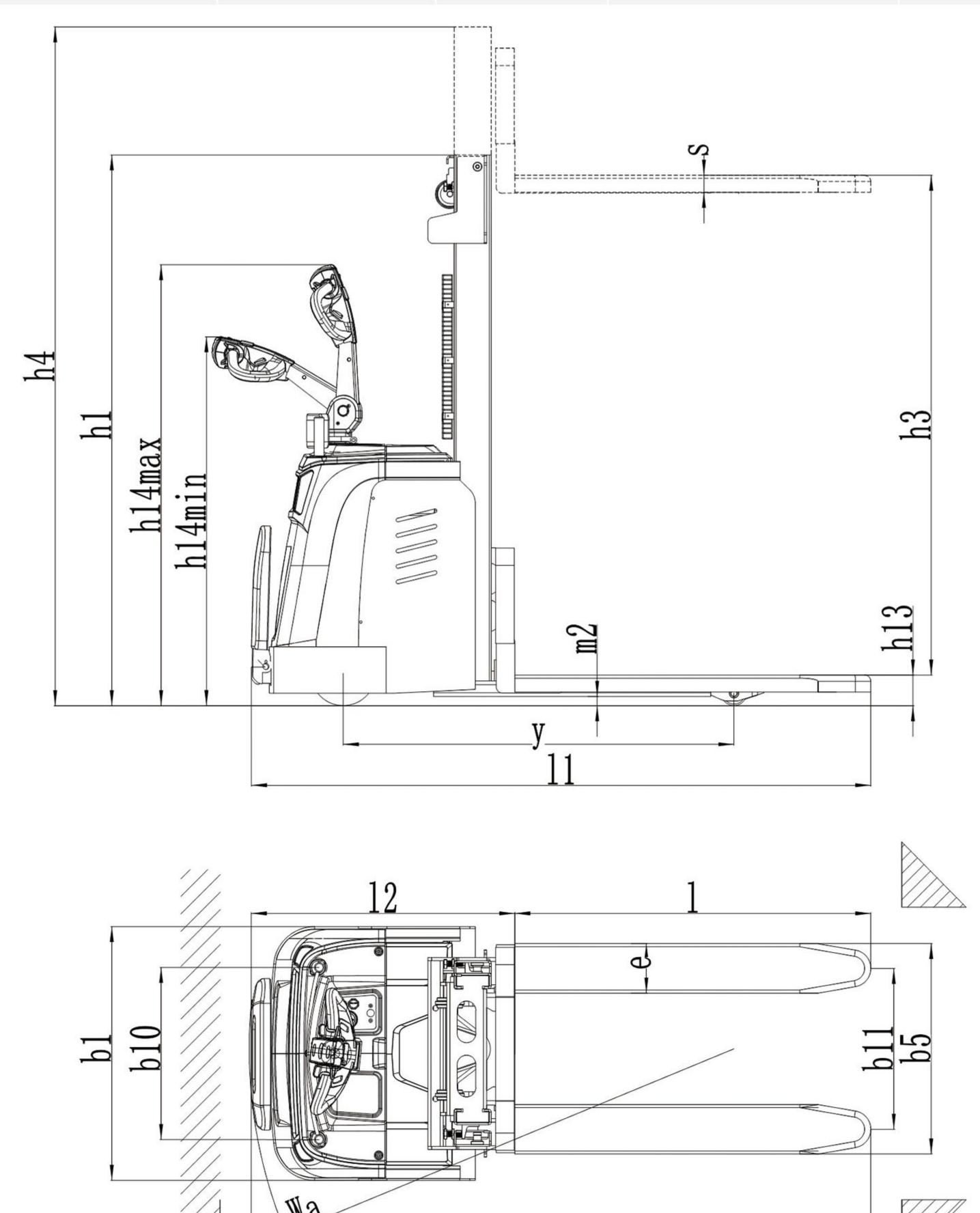


### Intelligent control system

# 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	15E-P		
Single stage mast	2030		1510	2030	1600
	1780	<u>—</u> -	2410	2960	2500
Two stage mast	2030	<u> </u>	2910	3460	3000
i wo stage mast	2280	<del></del> *	3410	3960	3500
	2530	<del></del> #	3910	4460	4000
Two stage mast FFL (Full-Free-Lift)	<del></del>	<del></del> >	_	<u></u> >	; <u>——</u>
Three stage mast	_	<del></del> :	-	_	_
Three stage mast FFL (Full-Free-Lift)	-	<del></del> >	_	<u>-</u>	



# Technical Specification

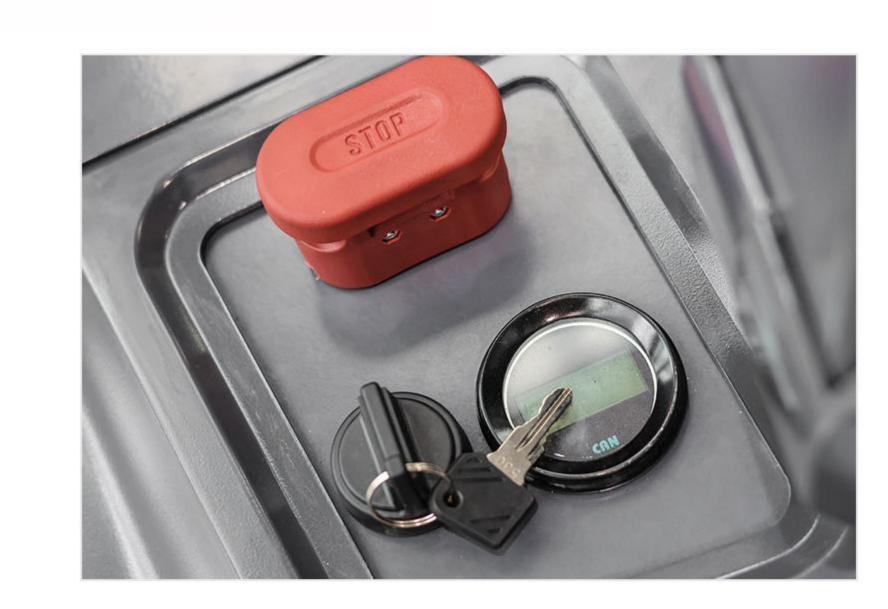
		Manufacturer's type designation		QES15E-P
¥	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
mark	1.4	Operator type		Rider-control
guil	1.5	Load capacity / Rated load	Q(t)	1.5
nISL	1.6	Load centre distance	C (mm)	500
Distinguishing	1.8	Load distance ,centre of drive axle to fork	X (mm)	685
SIO	1.9	Wheelbase	Y (mm)	1270
_	2.1	Service weight	kg	620
Weight	2.2	Axle loading, laden front/rear	kg	\
Š	2.3	Axle loading, unladen front/rear	kg	\
	3.1	Tires		PU
	3.2	Tire size, front	⊘×w (mm)	φ210×70
cnassis	3.3	Tire size, rear	⊘×w (mm)	φ80×70
	3.4	Additional wheels(dimensions)	⊘×w (mm)	φ115×55
lires,	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/2
	3.6	Track, front	b <sub>10</sub> (mm)	625
	3.7	Track, rear	b <sub>11</sub> (mm)	400/520
	4.2	Lowered mast height	hı (mm)	1780
	4.3	Free Lift height	h <sub>2</sub> (mm)	\
	4.4	Lift height	h₃ (mm)	2410
	4.5	Extended mast height	h <sub>4</sub> (mm)	2960
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	1090/1430
	4.15	Height, lowered	h <sub>13</sub> (mm)	90
suc	4.19	Overall length	lı (mm)	2030
Dimensions	4.20	Length to face of forks	l <sub>2</sub> (mm)	880
E E	4.21	Overall width	b1 (mm)	820
	4.22	Fork dimensions	s/e/l (mm)	55/160/1150   55/160/1220
	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	560/680
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
	5.1	Travel speed, laden/ unladen	Km/h	4/4.5
	5.2	Lift speed, laden/ unladen	m/s	0.09/0.1
data	5.3	Lowering speed, laden/ unladen	m/s	0.1/0.09
ס	5.8	Max. gradeability, laden/ unladen	%	3/5
	5.10	Service brake		Electromagnetic
	6.1	Drive motor rating S2 60min	kw	0.75
ne	6.2	Lift motor rating at S3 4.5%	kw	2.2
engne	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)
- lectric-	6.5	B Battery weight +/-5%	kg	2×25
П	6.6	Energy consumption acc: to VDI cycle	kWh/h	
data	8.1	Type of drive control		DC speed control
at a	2012/11/20	Sound level at driver's ear acc. to EN 12053	dB(A)	69

# QES16-P / QES20-P

# RIDER-CONTROL ELECTRIC PALLET STACKER

Capacity 1600 / 2000 KGS Up to 6 meters Drive by lead-acid battery

# Emergency reverse Horn Lifting & Lowering Drive control Turtle speed



**Emergency button** 

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

### 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



### 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.



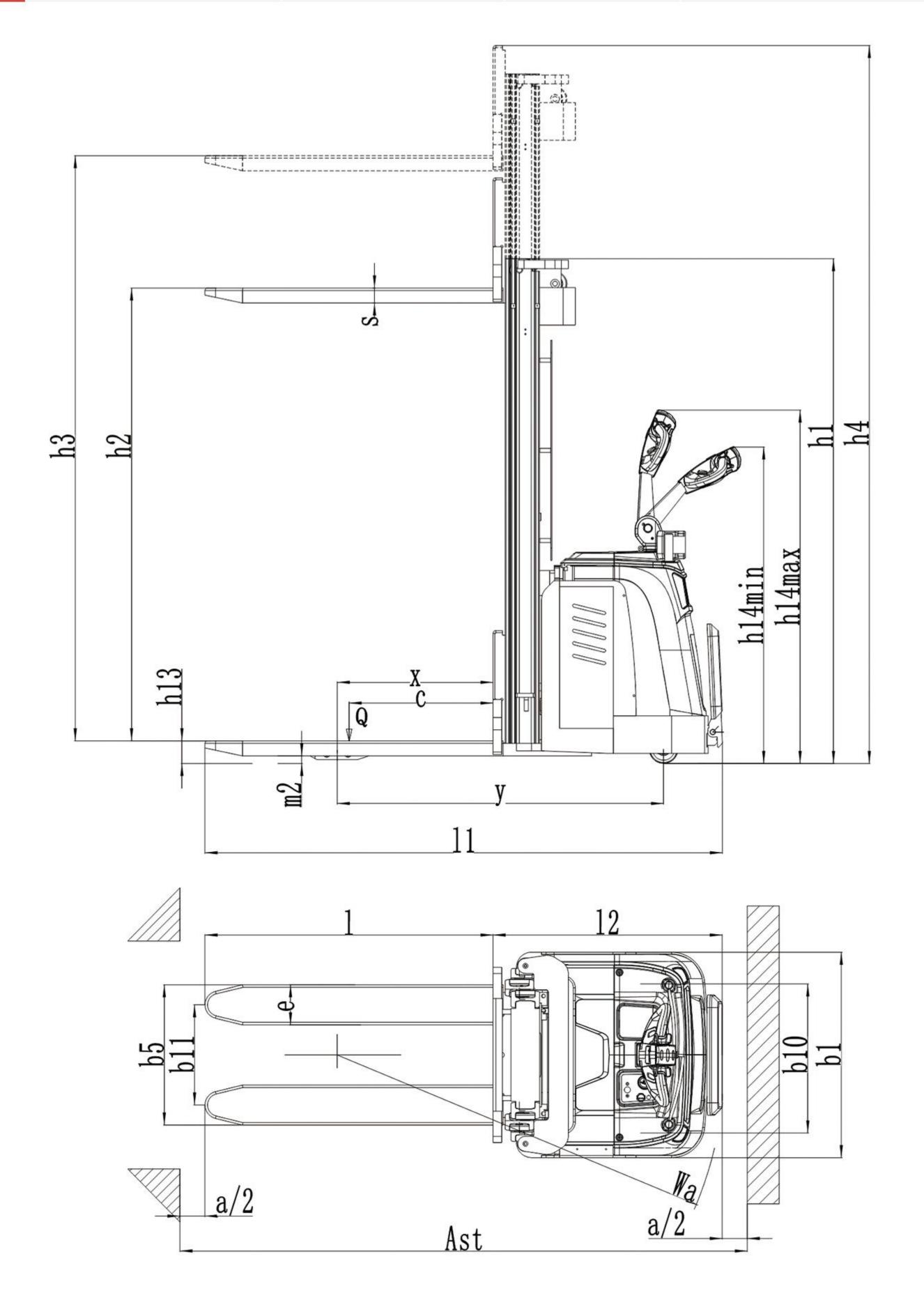
### Security and stability

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

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)
		QE	S-P		
	1760	<del>-</del>	2410	2980	2500
Two stage mast	2010	_	2910	3480	3000
	2260	_	3410	3980	3500
Two stage mast FFL (Full-Free-Lift)		_	_		_
Three stage mast	_	_	_	_	<del>-</del>
	1840	1240	3910	4480	4000
	2010	1410	4410	4980	4500
Three stage mast FFL (Full-Free-Lift)	2180	1580	4910	5480	5000
	2350	1750	5410	5980	5500
	2520	1920	5910	6480	6000



### Technical Specification

	Manufacturer's type designation			QES-P	
1.3	Power (battery ,diesel, petrol, gas, manua	al)		Battery	
1.3	Operator type			Rider-control	
1.5 1.6 1.8 1.9	Load capacity / Rated load	Load capacity / Rated load		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	
2.1	Service weight	ervice weight		1250	
2.1	Axle loading, laden front/rear		kg	\	
2.3	Axle loading, unladen front/rear		kg	\	
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 whe	els)		1x+2/4	
3.6	Track, front		b10 (mm)	625	
3.7	Track, rear		b11 (mm)	410/525	
4.2	Lowered mast height		h <sub>1</sub> (mm)	1840	
4.3	Free Lift height		h <sub>2</sub> (mm)	1330	
4.4	Lift height		h <sub>3</sub> (mm)	4000	
4.5	Extended mast height		h <sub>4</sub> (mm)	4480	
4.9	Height of tiller in drive position min./ max	<i>,</i>	h <sub>14</sub> (mm)	\	
4.15	Height, lowered	<b>\.</b>	h <sub>13</sub> (mm)	90	
4.10					
4.19 4.20 4.21	Overall length		lı (mm)	2080	
4.20	Length to face of forks		l <sub>2</sub> (mm)	930	
4.21	Overall width		b1 (mm)	820	
4.22	Fork dimensions		s/e/l (mm)	60/160/1150	
4.25	Distance between fork-arms		b <sub>5</sub> (mm)	570/685	
4.32	Ground clearance, centre of wheelbase		m <sub>2</sub> (mm)	30	
4.33	Aisle width for pallets 1000X1200 crosswa		Ast (mm)	2470	
4.34	Aisle width for pallets 800X1200 lengthwa	ays	Ast (mm)	2465	
4.35	Turning radius		Wa (mm)	1560	
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 5.8 5.10	Lowering speed, laden/ unladen		m/s	0.15/0.1	
5.8			%	5/8	
5.10				Electromagnetic	
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, n	0		1	
6.3 6.4 6.5	Batton, voltago, nominal canacity KE	Lead acaid battery	V/Ah	24/210(270)	
	Battery voltage, nominal capacity K5	Lithium battery (For option)	V/AII	24/(150,175,200,230)	
6.5	B Battery weight +/-5%	B Battery weight +/-5%		200/250	
6.6	Energy consumption acc: to VDI cycle		kWh/h	\	
8.1	Type of drive control			AC speed control	
<u>a</u>	Sound level at driver's ear acc. to EN 120	E 2	dB(A)	69	

QES10MCB

# COUNTER DALANCE STAC

### QES10MCB COLINTED B

# COUNTER BALANCE STACKER

Capacity 1000 KGS

Drive by lead acid battery

Lithium battery for option

Lift up to 1950 mm - 3450 mm

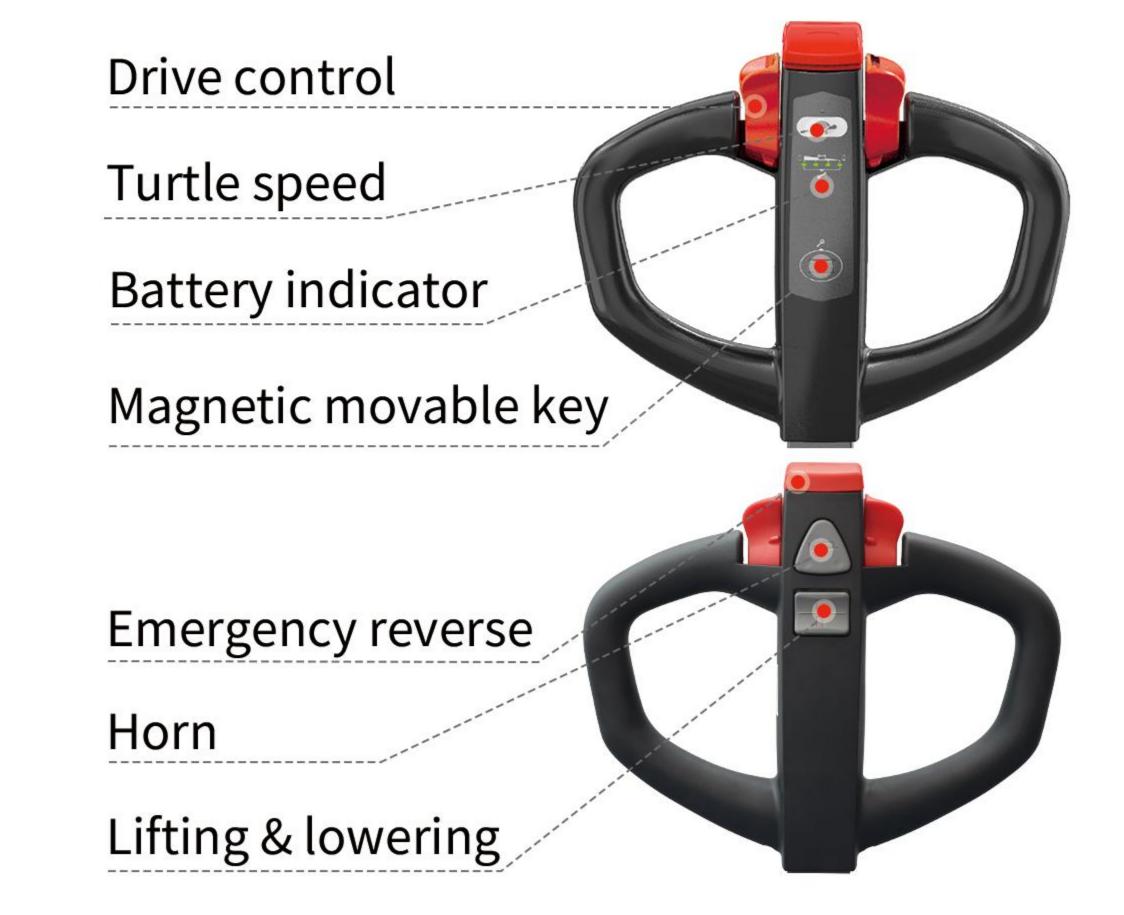
More stable

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.

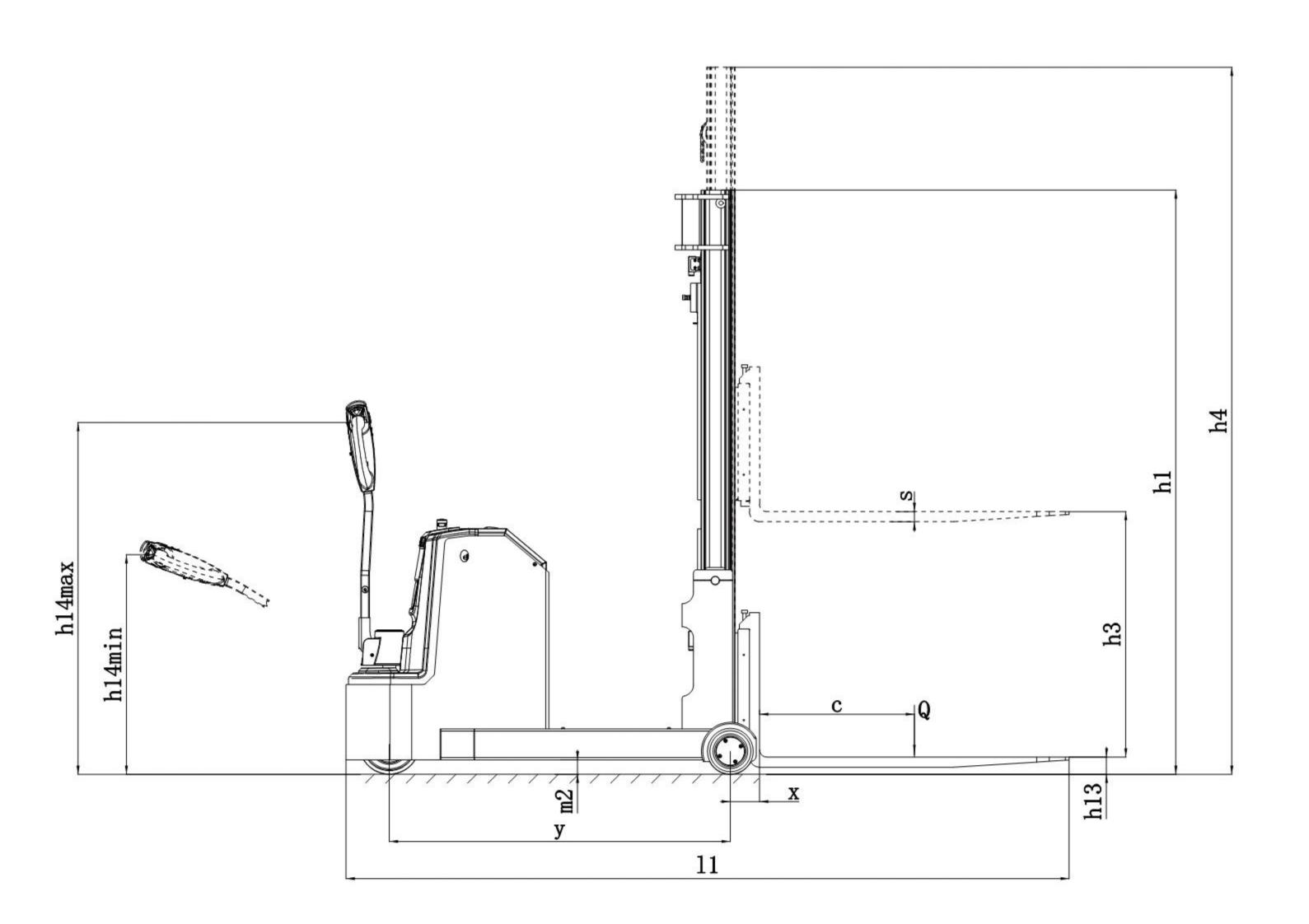


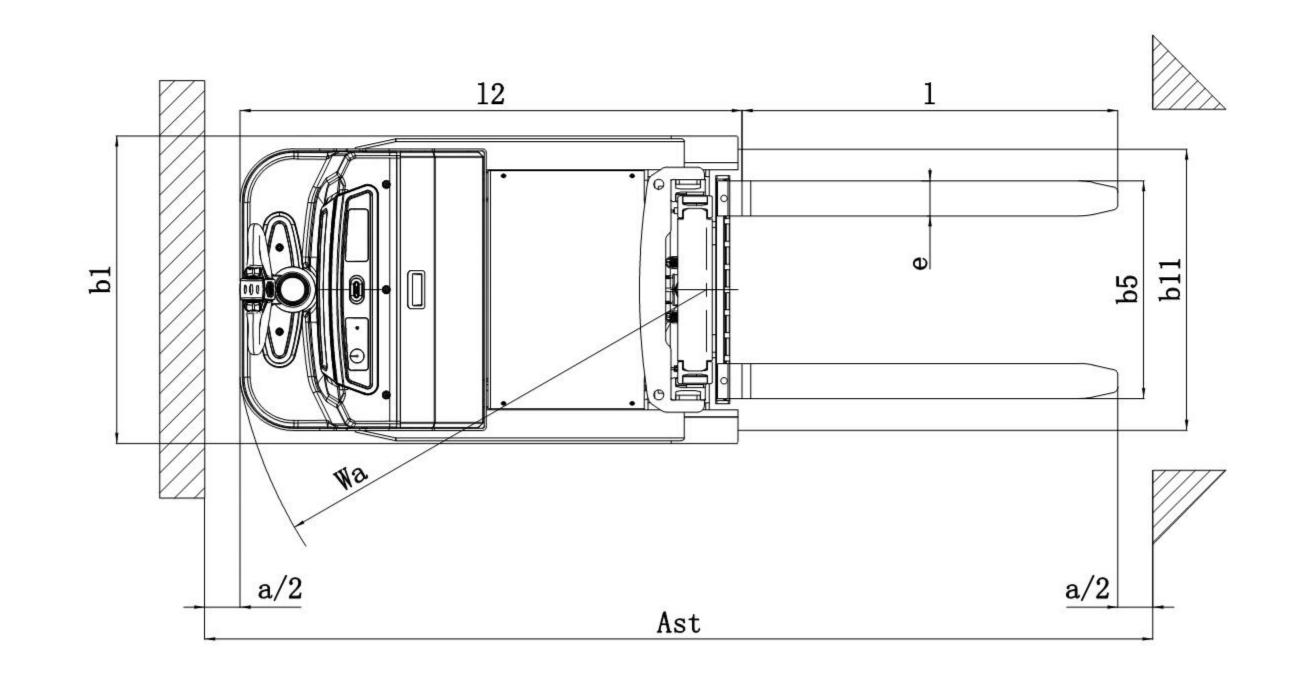
### Intelligent control system

# 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	S10MCB		
Single stage mast	_	_	_	<del>-</del>	_
	1520	-	1950	2500	2000
Two stage mast	1770	_	2450	3000	2500
i wo stage mast	2020	_	2950	3500	3000
	2270	<u> </u>	3450	4000	3500
Two stage mast FFL (Full-Free-Lift)	<del></del> .	<del></del> -		=	_
Three stage mast	-	-	_		-
Three stage mast FFL (Full-Free-Lift)			_	-	-





## Technical Specification

		Manufacturer's type designation		QES10MCB
¥	1.3	Power (battery ,diesel, petrol, gas, manual)		Battery
mark	1.4	Operator type		Pedestrian
0.	1.5	Load capacity / Rated load	Q(t)	1.0
	1.6	Load centre distance	C (mm)	500
giiiigaiisiiiig	1.8	Load distance ,centre of drive axle to fork	X (mm)	101
<u> </u>	1.9	Wheelbase	Y (mm)	1175
	2.1	Service weight	kg	1590
Weignt	2.2	Axle loading, laden front/rear	kg	\
	2.3	Axle loading, unladen front/rear	kg	\
	3.1	Tires		PU
	3.2	Tire size, front	⊘×w (mm)	φ210×75
cicania	3.3	Tire size, rear	⊘×w (mm)	φ160×73
	3.4	Additional wheels(dimensions)	⊘×w (mm)	\
(53)	3.5	Wheels, number front/rear(x=driven wheels)		1x/2
	3.6	Track, front	b10 (mm)	\
	3.7	Track, rear	b11 (mm)	800
	4.2	Lowered mast height	hı (mm)	2020
	4.3	Free Lift height	h <sub>2</sub> (mm)	\
	4.4	Lift height	h₃ (mm)	2950
	4.5	Extended mast height	h <sub>4</sub> (mm)	3492
	4.9	Height of tiller in drive position min./ max.	h <sub>14</sub> (mm)	725/1218
	4.15	Height, lowered	h <sub>13</sub> (mm)	50
2	4.19	Overall length	lı (mm)	2500
	4.20	Length to face of forks	l <sub>2</sub> (mm)	1435
	4.21	Overall width	b <sub>1</sub> (mm)	876
)	4.22	Fork dimensions	s/e/l (mm)	35/100/1070
	4.25	Distance between fork-arms	b₅ (mm)	200/620
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (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
	5.1	Travel speed, laden/ unladen	Km/h	
	5.2	Lift speed, laden/ unladen	m/s	0.079/0.104
ata	5.3	Lowering speed, laden/ unladen	m/s	0.11/0.12
data	5.8	Max. gradeability, laden/ unladen	%	6/10
	5.10	Service brake		Electromagnetic
	6.1	Drive motor rating S2 60min	kw	0.9
	6.2	Lift motor rating at S3 4.5%	kw	2.2
9	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		
	6.4	Battery voltage, nominal capacity K5	V/Ah	2×12/120
	6.5	B Battery weight +/-5%	kg	2×32.5
	6.6	Energy consumption acc: to VDI cycle	kWh/h	
	8.1	Type of drive control		DC speed control
data	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	70