



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 volumes 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.



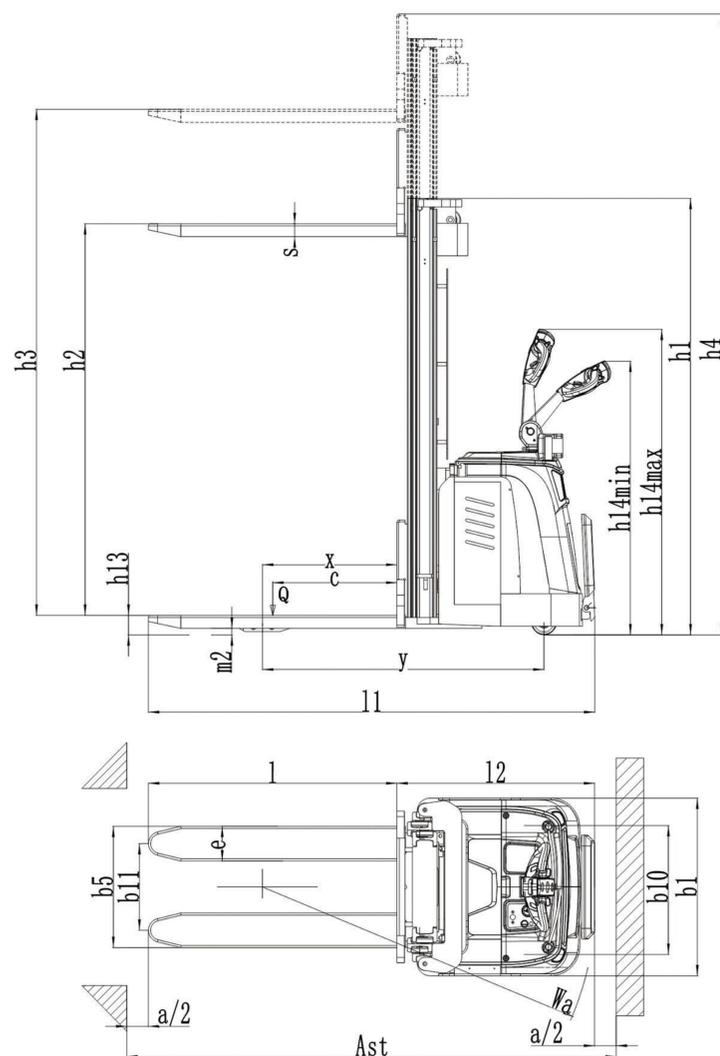
Intelligent control system

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

SPECIFICATION

Technical Specification

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



QES16-P / QES20-P

Technical Specification

		Manufacturer's type designation	QES-P		
Distinguishing mark	1.3	Power (battery ,diesel, petrol, gas, manual)	Battery		
	1.4	Operator type	Rider-control		
	1.5	Load capacity / Rated load	Q(t)	1.6 2.0	
	1.6	Load centre distance	C (mm)	600	
Weight	1.8	Load distance ,centre of drive axle to fork	X (mm)	620	
	1.9	Wheelbase	Y (mm)	1350	
	2.1	Service weight	kg	1250	
	2.2	Axle loading, laden front/rear	kg	\	
	2.3	Axle loading, unladen front/rear	kg	\	
Tires, chassis	3.1	Tires	PU		
	3.2	Tire size, front	∅×w (mm)	∅250×70	
	3.3	Tire size, rear	∅×w (mm)	∅80×70	
	3.4	Additional wheels(dimensions)	∅×w (mm)	∅110×55	
	3.5	Wheels, number front/rear(x=driven wheels)	1x+2/4		
	3.6	Track, front	b10 (mm)	625	
	3.7	Track, rear	b11 (mm)	410/525	
Dimensions	4.2	Lowered mast height	h1 (mm)	1840	
	4.3	Free Lift height	h2 (mm)	1330	
	4.4	Lift height	h3 (mm)	4000	
	4.5	Extended mast height	h4 (mm)	4480	
	4.9	Height of tiller in drive position min./ max.	h14 (mm)	\	
	4.15	Height, lowered	h13 (mm)	90	
	4.19	Overall length	l1 (mm)	2080	
	4.20	Length to face of forks	l2 (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	b5 (mm)	570/685	
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	30	
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2470	
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2465	
	4.35	Turning radius	Wa (mm)	1560	
Performance data	5.1	Travel speed, laden/ unladen	Km/h	5.5/5.8	
	5.2	Lift speed, laden/ unladen	m/s	0.11/0.12	
	5.3	Lowering speed, laden/ unladen	m/s	0.15/0.1	
	5.8	Max. gradeability, laden/ unladen	%	5/8	
	5.10	Service brake	Electromagnetic		
	Electric- engine	6.1	Drive motor rating S2 60min	kw	1.5(AC)
6.2		Lift motor rating at S3 4.5%	kw	2.2/3	
6.3		Battery acc. to DIN 43531/35/36 A, B, C, no	\		
6.4		Battery voltage, nominal capacity K5	Lead acid battery	V/Ah	24/210(270)
			Lithium battery (For option)	V/Ah	24/(150,175,200,230)
6.5		B Battery weight +/-5%	kg	200/250	
6.6	Energy consumption acc: to VDI cycle	kWh/h	\		
Additional data	8.1	Type of drive control	AC speed control		
	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	69	

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