# QES10E-SL / QES12E-SL
# ELECTRIC WALKIE STACKER (STRADDLE LEG)

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

Compact design and economic
Short turning radius

Suitable for small space work

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

**Long handle**
mechanical steering, ergonomic, flexible handling.

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

● **Pin-code handle**
(For option)

Drive control
Turtle speed
Battery indicator
Magnetic movable key

Emergency reverse
Horn
Lifting & lowering
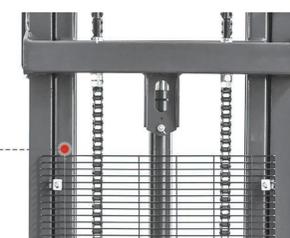
## Main Feature

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

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

**Security and stability**
The hydraulic lifting system of this vehicle adopts the design without oil pipe, which greatly improves the reliability of the hydraulic system and reduces the risk of oil leakage of the joint or oil pipe.
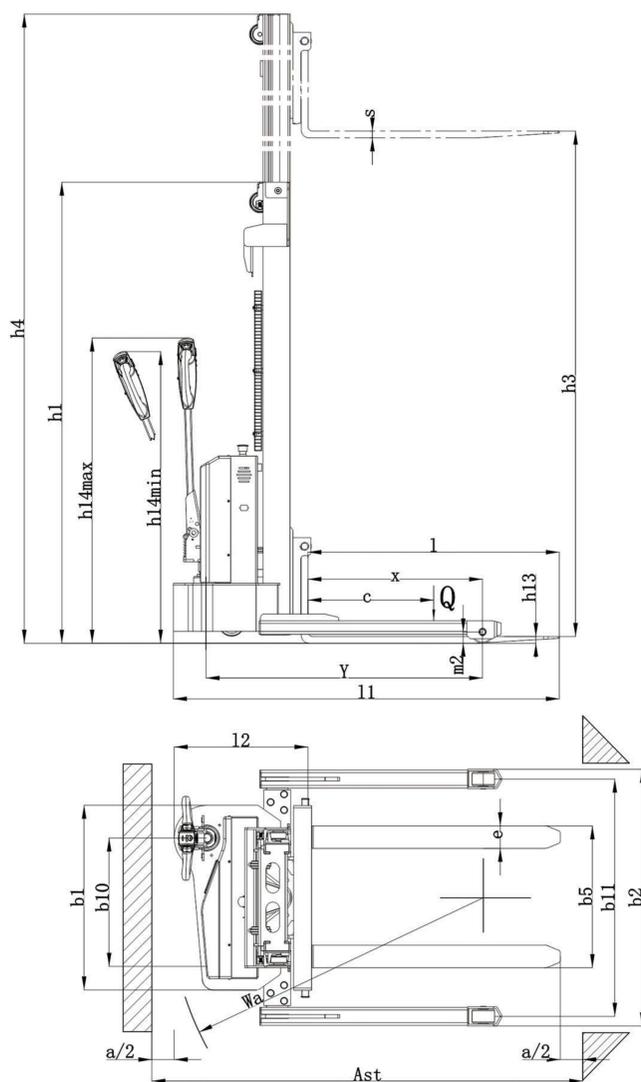
**Intelligent control system**
Equipped with CAN-BUS technology, automatically monitoring the status of the truck, and fault diagnosis.

## Technical Specification

QES10E-SL / QES12E-SL    ELECTRIC STACKER

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



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

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