



KAMUJA

ELECTRICAL FORKLIFT FE4P25Q



Hunan Kamuja Machinery & Equipment Co.,Ltd



A Certificated Company of GB/T 19001-2016
ISO 9001:2015

INTRODUCTION

Q Series electric balance fork is combined others existing series respective advantages to meet the purpose of medium and light weight working conditions, while bringing comfortable and efficient driving experience. Batteries are available in two options, lead-acid batteries and smart lithium batteries. The same body can be freely chosen.

The whole center of gravity is lowered, and the height of the top guard is lowered, which facilitates the operation of the vehicle in the environment of limited height.

FEATURES



① DRIVE AC MAINTENANCE-FREE

Drive motor adopts AC motor, maintenance-free, strong power; Conventional DC motors require frequent carbon brush replacement, while KAMUJA all-AC motors do not require carbon brush replacement; With speed sensing and temperature sensing, the protection function is complete, and the reliability and life are greatly improved.

② SIDE EXIT BATTERY DESIGN

The battery can be replaced with another forklift, allowing for easy 24 hour continuous operation.

③ LOW CENTER OF GRAVITY DESIGN

The traditional system uses a transverse fan-shaped drive axle, parallel arrangement and large transmission ratio. The battery is sunk at the bottom of the frame, the vehicle height is 2080mm, and the stability is good.

④ LOW NOISE, GROUND VIBRATION DESIGN

The hydraulic system adopts low noise gear pump and full hydraulic power steering. Low noise and comfortable operation.

Steering bridge shock absorption design: flexible connection is adopted to effectively protect the vehicle system and extend the service life of the vehicle.

⑤ ELECTROMAGNETIC BRAKING MAKES DRIVING AND PARKING SAFER AND EASIER

The vehicle adopts the car control mode, electromagnetic braking, so that the driver's operation is more comfortable.

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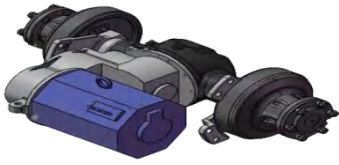
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DETAILS



The transmission system adopts a transverse fan-shaped drive axle, the parallel arrangement and large transmission ratio. The battery is sunk at the bottom of the frame, and the vehicle stability is good. The travelling motor adopts AC maintenance-free motor.



Multi-way valve control front, make the operation more convenient.



Damping design of steering bridge, allows flexible connection is adopted to effectively protect the vehicle system and extend the whole system which extend the service life of the vehicle.



Car control mode: suspension service brake, step-less transmission makes much fun of driving during the work.



The whole vehicle hood are formed by One Piece steel plate, which is simple and easy to operate.
The forklift has a wide field of view frame, the intelligent buffer makes a smooth downing to the ground and it's easy to operate.
Compared with others designs, it's more compact and is more suitable for small job sites.



Parking brake adopts one-click, making parking safer and easier.



Multi-function display, fault alarm, low battery reminder, high/medium/low speed switching protection.



The whole car is equipped with standard LED four-fulcrum lamps: headlights, front turn signals, rear combination lights, warning lights. Low power consumption, makes work at night without problem.

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OPTIONAL ATTACHMENTS



Optional Devices & Accessories

| | |
|-------------------------|------------------------------------|
| Tilt cylinder jacket | Middle exhaust device |
| Dual drive wheel | Exhaust fire protection |
| Cab | Suspension seat |
| Overhead exhaust device | Weighing system |
| User specified color | Auxiliary hydraulic valve assembly |
| Cab heater | Extinguisher |
| Rear working light | Copper water tank |
| Alarm lamp | LED rear light |
| Solid tyre | Double air filter |

Optional Fittings

| | |
|----------------------------|----------------------|
| Roll clip | Side yoke |
| Rotate the flat clamp | Swivel fork |
| Load stabilizer | Fork extension cover |
| Multi-purpose bucket clamp | Load ejector |
| Soft clip | Carton clip |
| Can clip | Position ejector |
| Miter clamp | Bucket |
| Boom | Lifting hook |
| String rod | Extended fork |

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Optional Mast

| Description | Lift Height h3 mm | Free Lift Height h2 mm | Mast Stowed Height h1 mm | Mast Extended Height h4 mm | Tilt Angle Lean Forward/Back ward $\alpha/\beta(^{\circ})$ | Load Capacity (kg)C=500mm |
|--|-------------------------|---------------------------------|-----------------------------------|--|--|---|
| | | | | | | No Side-shift, Inflatable Single Wheel |
| | | | | | | FE4P25Q |
| ZT Standard Stage II Mast | 2000 | 135 | 1570 | 2974 | 6/10 | 2500 |
| | 2500 | 135 | 1820 | 3474 | 6/10 | 2500 |
| | 3000 | 135 | 2070 | 3974 | 6/10 | 2500 |
| | 3300 | 135 | 2220 | 4274 | 6/10 | 2500 |
| | 3500 | 135 | 2320 | 4474 | 6/10 | 2500 |
| | 3600 | 135 | 2370 | 4574 | 6/10 | 2500 |
| | 3700 | 135 | 2420 | 4674 | 6/10 | 2500 |
| | 4000 | 135 | 2620 | 4974 | 6/6 | 2450 |
| | 4300 | 135 | 2770 | 5274 | 6/6 | 2100 |
| | 4500 | 135 | 2870 | 5474 | 6/6 | 2000 |
| ZZ Wide View Full Free Stage II Mast | 2000 | 631 | 1570 | 2968 | 6/10 | 2500 |
| | 2500 | 881 | 1820 | 3468 | 6/10 | 2500 |
| | 3000 | 1131 | 2070 | 3968 | 6/10 | 2500 |
| | 3300 | 1281 | 2220 | 4268 | 6/10 | 2500 |
| | 3500 | 1381 | 2320 | 4468 | 6/10 | 2500 |
| | 3600 | 1431 | 2370 | 4568 | 6/10 | 2500 |
| | 3700 | 1481 | 2420 | 4668 | 6/6 | 2500 |
| | 4000 | 1681 | 2620 | 4968 | 6/6 | 2400 |
| DZ Wide View Full Free Stage III Mast | 4000 | 1056 | 1995 | 4978 | 6/6 | 2300 |
| | 4300 | 1181 | 2120 | 5328 | 6/6 | 2000 |
| | 4500 | 1231 | 2170 | 5476 | 6/6 | 1900 |
| | 4800 | 1331 | 2275 | 5776 | 6/6 | 1600 |
| | 5000 | 1474 | 2413 | 5976 | 6/6 | 1500 |
| | 5500 | 1708 | 2647 | 6476 | 3/6 | 1150 |
| | 6000 | 1941 | 2880 | 6976 | 3/6 | 800 |
| | 6500 | 2174 | 3113 | 7476 | 3/3 | 500 |

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SPECIFICATIONS

| | | | | |
|----------------|------|---|--------------------------|----------------------|
| Characteristic | 1.1 | Brand | | KAMUJA |
| | 1.2 | Model | | FE4P25Q |
| | 1.3 | Drive mode: electric (battery or power supply), diesel, gasoline, gas, manual | | Motor |
| | 1.4 | Operation mode: manual, walking, standing, riding, picking | | Mount type |
| | 1.5 | Rated load capacity | Q(kg) | 2500 |
| | 1.6 | Load center distance | C(mm) | 500 |
| | 1.7 | Front overhang | X(mm) | 478 |
| | 1.8 | Wheel base | Y(mm) | 1620 |
| Weight | 2.1 | Implicit battery (see 6.5) when self-weight | kg | 3600 |
| | 2.2 | Bridge load at full load, front/rear | kg | 5500/600 |
| | 2.3 | Bridge load when unloaded, front/back | kg | 1540/2060 |
| Chassis | 3.1 | Tires: Solid rubber, super-elastomer, air tire, polyurethane tire | | Solid/pneumatic tire |
| | 3.2 | Front wheel specification | | 7.00-12-12PR |
| | 3.3 | Rear wheel specification | | 6.00-9-10PR |
| | 3.4 | Number of wheels, front/rear wheels (x= drive wheels) | | 2x/2 |
| | 3.5 | Front wheel tread | b10(mm) | 973 |
| | 3.6 | The rear wheel base | b11(mm) | 982 |
| Basic size | 4.1 | Gantry/fork tilt Angle, forward/back tilt | $\alpha/\beta(^{\circ})$ | 6/10 |
| | 4.2 | Gantry retracting height | h1(mm) | 2070 |
| | 4.3 | Free lifting height | h2(mm) | 135 |
| | 4.4 | Lifting height | h3(mm) | 3000 |
| | 4.5 | Gantry development height | h4(mm) | 3974 |
| | 4.6 | Top guard height | h6(mm) | 2150 |
| | 4.7 | Seat height | h7(mm) | 1130 |
| | 4.8 | Traction pin height | h10(mm) | 580 |
| | 4.9 | Overall length | l1(mm) | 3568 |
| | 4.10 | Body length (without fork) | l2(mm) | 2498 |
| | 4.11 | Total width | b1(mm) | 1150 |
| | 4.12 | Fork size | s/e/l(mm) | 40/120/1070 |
| | 4.13 | Width of fork rack | b3(mm) | 1100 |
| | 4.14 | Ground clearance under the gantry | m1(mm) | 135 |
| | 4.15 | Ground clearance under the gantry | m2(mm) | 150 |
| | 4.16 | Working channel width, 1000X1200 pallets (1200 cross-fork placement) | Ast(mm) | 3849 |

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| | | | | |
|-----------------------|------|---|---------------------|-----------------------|
| | 4.17 | Working channel width,800X1200 pallets (1200 placed along the fork) | Ast(mm) | 3997 |
| | 4.18 | Radius of turning circle | Wa(mm) | 2230 |
| Performance Parameter | 5.1 | Travel speed, full/empty | Km/h | 12/13 |
| | 5.2 | Increase speed, full/empty | m/s | 0.26/0.34 |
| | 5.3 | Descent speed, full/empty | m/s | <0.6 |
| | 5.4 | Traction, full/empty S2 60 minutes | | 3100/2100 |
| | 5.5 | Maximum climb, S2 5 minutes full/no load | % | 15/15 |
| | 5.6 | Service brake | | Electromagnetic brake |
| Electrical Parameter | 6.1 | Drive motor power S2 5 min | KW | 10 |
| | 6.2 | Increase motor power S3 by 15% | KW | 12 |
| | 6.3 | Battery standard | | DIN |
| | 6.4 | Battery voltage/rated capacity K5 | Volts/amps per hour | Lead A cid :80/400 |
| | 6.5 | Battery weight | kg | 200 |
| | 6.6 | Battery size, length/width/height | mm | 770/600/680 |
| Others | 7.1 | Drive control type | | AC |
| | 7.2 | Work stress | Mpa | 17.5 |
| | 7.3 | The amount of oil | L/min | 36 |
| | 7.4 | Driver's ear noise level according to EN 12 053 | Decibel | 74 |

※ The technical information may vary by the update policy, the changes will be without prior notice.

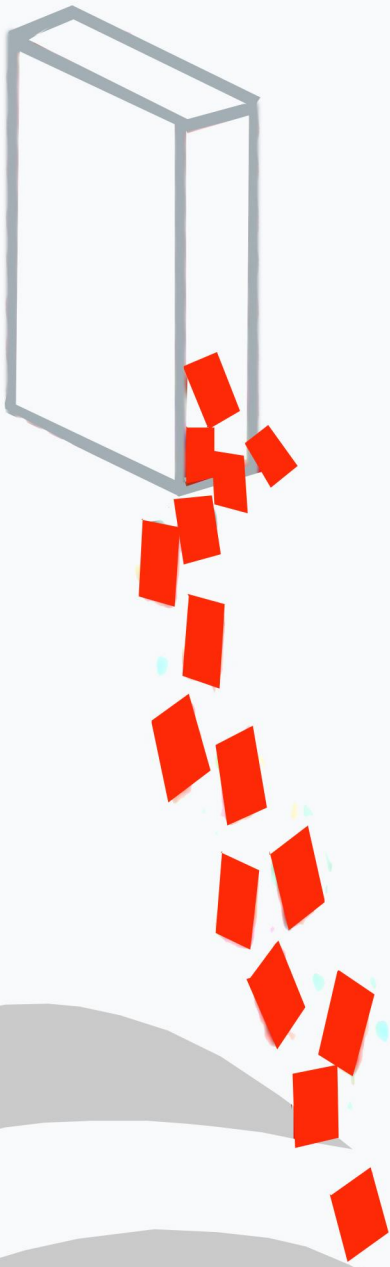
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