



**KAMUJA**

**ELECTRICAL FORKLIFT FE4P16Q** 



**Li-ion** 

**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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**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



Multi-functional soft bag clip



Brick clamp



Roll clip



String rod



Trash clip



Push-puller



Side shifter



Carton holder

### Optional Devices & Accessories

Tilt cylinder jacket

Dual drive wheel

Cab

Overhead exhaust device

User specified color

Cab heater

Rear working light

Alarm lamp

Solid tyre

Middle exhaust device

Exhaust fire protection

Suspension seat

Weighing system

Auxiliary hydraulic valve assembly

Extinguisher

Copper water tank

LED rear light

Double air filter

### Optional Fittings

Roll clip

Rotate the flat clamp

Load stabilizer

Multi-purpose bucket clamp

Soft clip

Can clip

Miter clamp

Boom

String rod

Side yoke

Swivel fork

Fork extension cover

Load ejector

Carton clip

Position ejector

Bucket

Lifting hook

Extended fork

### Special Equipment for Mast

Wide view full free Stage II Mast

Wide view full free Stage III Mast

Special Fork

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## SPECIFICATIONS

Characteristic	1.1	Brand			KAMUJA
	1.2	Model			FE4P16Q
	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)	1500	1600
	1.6	Load center distance	C(mm)		500
Weight	2.1	Implicit battery (see 6.5) when self-weight	kg		2940
Chassis	3.1	Tires: Solid rubber, super-elastomer, air tire, polyurethane tire			Solid/pneumatic tire
	3.2	Front wheel specification			18X7-8
	3.3	Rear wheel specification			5.00-8-10PR
	3.4	Number of wheels, front/rear wheels (× = drive wheels)			2×/2
	3.5	Front wheel tread	b10(mm)		980
	3.6	The rear wheel base	b11(mm)		920
Basic size	4.1	Gantry/fork tilt Angle, forward/back tilt	$\alpha / \beta (^{\circ})$		6/10
	4.2	Gantry retracting height	h1(mm)		1985
	4.3	Free lifting height	h2(mm)		130
	4.4	Lifting height	h3(mm)		3000
	4.5	Gantry development height	h4(mm)		3990
	4.6	Top guard height	h6(mm)		2075
	4.7	Seat height	h7(mm)		1065
	4.8	Traction pin height	h10(mm)		530
	4.9	Overall length	l1(mm)		3050
	4.10	Body length (without fork)	l2(mm)		2130
	4.11	Total width	b1(mm)		1150
	4.12	Fork size	s/e/l(mm)		35/100/920
	4.13	Width of fork rack	b3(mm)		1040
	4.14	Ground clearance under the gantry	m1(mm)		98
	4.15	Ground clearance under the gantry	m2(mm)		100
	4.16	Working channel width,1000X1200 pallets (1200 cross-fork placement)	Ast(mm)		3571
	4.17	Working channel width,800X1200 pallets (1200 placed along the fork)	Ast(mm)		3771
	4.18	Radius of turning circle	Wa(mm)		1990
Performance	5.1	Travel speed, full/empty	Km/h		12/13

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Parameter	5.2	Increase speed, full/empty	m/s		0.27/0.35
	5.3	Descent speed, full/empty	m/s		0.52/0.42
	5.4	Maximum climb, S2 5 minutes full/no load	%		12/15
	5.5	Service brake			electromagnetic brake
Electrical Parameter	6.1	Drive motor power S2 5 min	KW		7
	6.2	Increase motor power S3 by 15%	KW		8.6
	6.3	Battery standard			DIN
	6.4	Battery voltage/rated capacity K5	Volts/amps per hour		Li-ion :48/200(48/300,48/400)
Others	7.1	Drive control type			AC
	7.2	Work stress	Mpa		14.5
	7.3	The amount of oil	L/min		30
	7.4	Driver's ear noise level according to EN 12053	Decibel		72

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

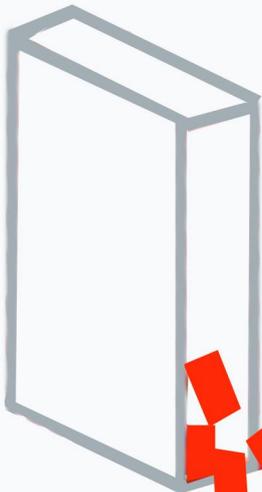
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