NOBLELIFT

1600 - 2000KG

FE4P16/20QC

4-WHEEL ELECTRIC FORKLIFT

- Ergonomic
- Powerful battery
- Easy maintenance
- Robust design
- Capacity 1600-2000kg
- High performance

Why choose between price and quality when you can have both !

FE4P16-20QC - PRODUCT FEATURES

// A powerful, maintenance-free AC motor

Equipped with an alternating current (AC) motor, the Q series trucks achieve high performance while being economical. AC motors significantly reduce maintenance costs. The Q series is equipped with a speed sensor and a temperature sensor, considerably improving the reliability of the AC motor.

// A low centre of gravity

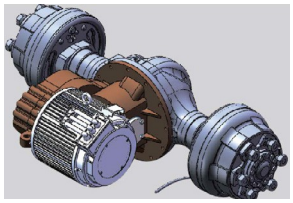
The transmission system used throughout the range uses a horizontal drive axle with a high gear ratio.
The battery is installed at the bottom of the chassis, the height of the vehicle is 2080mm, access to the driving position is easy and stability is high.

// A silent truck with low variations

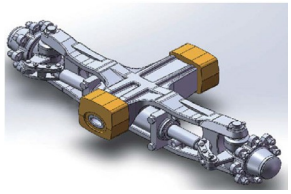
The hydraulic system, with its silent gear pump and fully hydraulic power steering, is extremely user-friendly. The new design absorbs vibrations
of the steering axle, protecting the vehicle system and extending the forklift's service life. Operator comfort is optimised.

FE4P16-20QC - PRODUCT OVERVIEW

The design of the Q series is based on the E and N series, combining their advantages to meet the needs of medium-sized applications with a high level of comfort and efficiency. The truck can be fitted with either a lead-acid or lithium battery. It also has a lower centre of gravity for greater stability and ease of use. The trolley is ideal for use in confined spaces.



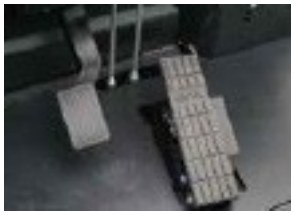
The transmission system uses a horizontal drive axle with a high gear ratio. The battery is installed at the bottom of the chassis. The trucks are equipped with a maintenance-free AC motor.



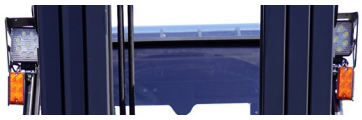
Fitted as standard with a steering axle designed to reduce vibrations. This design, with its It is flexible, protects the trolley and extends its service life.

The Q series trucks have a multifunction display screen with fault alarm, low battery reminder and several speed modes (high, medium and low). It's easy to use, clear and intuitive.

The truck is equipped with a front multidirectional valve control device to make work more comfortable.



The new Q series stands out for its driving and braking flexibility



A. The Q series has a wide visibility mast and smooth, precise braking, effectively protecting cargo from damage and improving operator comfort.

B. The design and flexibility of the trucks have been redesigned to make the Q series ideal for manoeuvring in confined spaces.

C. The Q series trucks are equipped with LED lights as standard, Blue spot, USB ports[1] , rear handle with integrated horn[2] . The aim is to offer the operator the greatest possible comfort and optimum safety in use.

FE4P16-20Q mast table

1600-2000kg

Designation	Lift height h3 (mm)	Free lift h2 (mm)	Height of retracted mast h1 (mm)	Deployed mast height h4 (mm)	Forward/backward tilt α / β (°)	Capacity at CDG 500(mm) without sideshift carriage	
						FE4P16Q	FE4P20Q
Duplex	2500	110	1803	3482	6/10	1600	2000
	2700	110	1903	3682	6/10	1600	2000
	3000	110	2053	3982	6/10	1600	2000
	3300	110	2203	4282	6/10	1600	2000
	3500	110	2303	4482	6/10	1600	2000
	3700	110	2403	4682	6/10	1600	1900
	4000	110	2603	4982	6/6	1500	1800
	4300	110	2753	5282	6/6	1400	1600
	4500	110	2853	5482	6/6	1350	1500
	5000	110	3128	5982	6/6	900	1100
Duplex Large free lift	2500	853	1803	3482	6/10	1600	2000
	2700	953	1903	3682	6/10	1600	2000
	3000	1103	2053	3982	6/10	1600	2000
	3300	1253	2203	4282	6/10	1600	2000
	3500	1353	2303	4482	6/10	1600	2000
	3700	1453	2403	4682	6/10	1600	1900
	4000	1653	2603	4982	6/6	1500	1800
Triplex Large free lift	4000	1033	1978	4982	6/6	1500	1800
	4300	1153	2103	5330	6/6	1400	1600
	4500	1203	2153	5480	6/6	1300	1500
	4800	1303	2253	5780	6/6	1000	1200
	5000	1403	2353	5980	6/6	900	1100
	5500	1553	2503	6482	3/6	800	900

The standard design of the fully accessible bonnet makes daily maintenance practical and efficient. The battery can be replaced very quickly, allowing continuous operation.

The technology used in the Q series means that lead-acid and lithium batteries are easily interchangeable.

FE4P16-20Q 4-wheel electric forklift truck

1600-2000kg

Identification				
1.1	Manufacturer's model designation		FE4P16Q	FE4P20Q
1.2	Transmission: electric (battery or mains), diesel, petrol, manual		electric	
1.3	Type of operation (manual, pedestrian, standing, seated, order picker)		base	
1.4	Load capacity/rated load	Q(kg)	1600	2000
1.5	Centre of gravity	C(mm)	500	
1.6	Load distance between the centre of the drive axle and the fork	x(mm)	381	386
Weight				
2.1	Operating weight with battery	kg	2940	3180
Wheels, chassis				
3.1	Type: solid rubber, superelastic, pneumatic, polyurethane		PPS	
3.2	Front tyre size		6.50-10	
3.3	Rear tyre size		5.00-8-10PR	5.00-8-10PR
3.4	Wheels, number front/rear (x=drive wheels)		2x/2	
3.5	Distance between front wheels	b10(mm)	980	
3.6	Distance between rear wheels	b11(mm)	920	
General dimensions				
4.1	Forward/reverse tilt of mast/fork carriage	α/β (°)	6/10	
4.2	Height of retracted mast	h1(mm)	1985	
4.3	Free lift	h2(mm)	130	
4.4	Basic lift height	h3(mm)	3000	
4.5	Deployed mast height	h4(mm)	3990	
4.6	Height of protective roof (cab)	h6(mm)	2075	
4.7	Seat height	h7(mm)	1065	
4.8	Hitch height	h10(mm)	530	
4.9	Total length	l1(mm)	3050	3200
4.10	Length to front of forks	l2(mm)	2130	
4.11	Total width	b1(mm)	1150	
4.12	Fork dimensions	L/l/h(mm)	35/100/920	40/120/1070
4.13	Fork carriage width	b3(mm)	1040	
4.14	Loaded ground clearance under mast	m1(mm)	98	
4.15	Ground clearance, centre of trolley	m2(mm)	100	
4.16	Aisle width for 1000x1200 pallets crosswise	Ast(mm)	3571	3501
4.17	Aisle width for pallets 800x1200 in length	Ast(mm)	3701	3576
4.18	Turning radius	Wa(mm)	1990	
Performance				
5.1	Travel speed with/without load	km/h	12/13	11/13
5.2	Lift speed with/without load	m/s	0.27/0.35	0.25/0.35
5.3	Lowering speed, loaded/unloaded	m/s	0.52/0.42	
5.4	Maximum gradient performance, loaded/unloaded S2 5 min	%	15/12	
5.5	Service brake		Mechanical engineering	
Electric motor				
6.1	Traction motor power S2 60 min	kW	7	
6.2	Lifting motor power at S3 15% (S3)	kW	8.6	
6.3	Standard battery		DIN	
6.4	Battery voltage, nominal capacity K5	V/Ah	Plomb-acide:48/360 (48/400,48/460)	Lead-acid:48/400 (48/460)
			Li:48/200 (48/300,48/400)	Li:48/200 (48/300,48/400)
Further information				
8.1	Type of drive control		AC	
8.2	Hydraulic pressure for equipment	Mpa	14.5	
8.3	Oil volume for accessories	1/min	30	
8.4	Acoustic pressure level to EN 12 053	dB(A)	72	

FE4P16-20QC mast table

1600-2000kg

Designation	Lift height h3 (mm)	Free lift h2 (mm)	Height of retracted mast h1 (mm)	Deployed mast height h4 (mm)	Forward/backward tilt α / β (°)	Capacity at CDG 500(mm) without sideshift carriage	
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Duplex	2500	110	1803	3482	6/10	1600	2000
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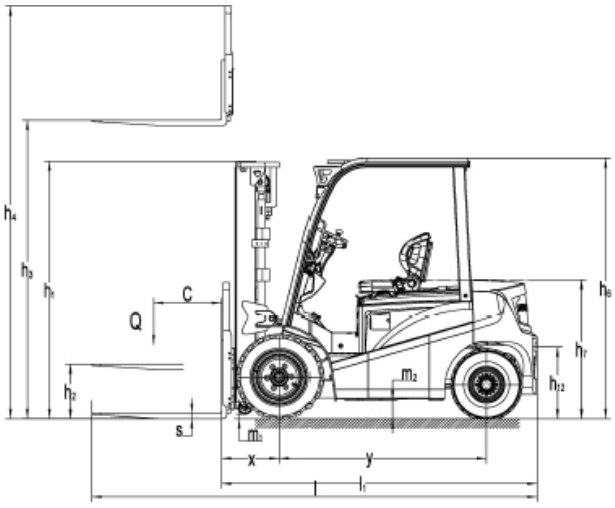
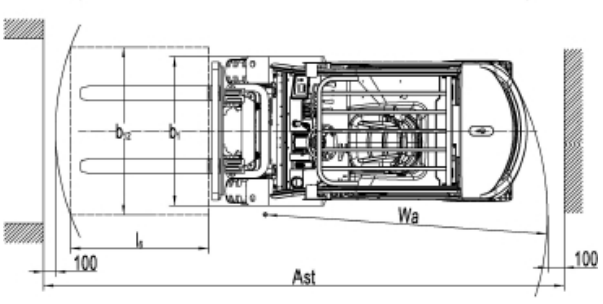
	5500	1553	2503	6480	3/6	800	900
	6000	1753	2703	6980	3/6	700	800





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1.6	Load distance between the centre of the drive axle and the fork	x(mm)	381	386
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3.2	Front tyre size		6.50-10	
3.3	Rear tyre size		5.00-8-10PR	5.00-8-10PR
3.4	Wheels, number front/rear (x=drive wheels)		2x/2	
3.5	Distance between front wheels	b10(mm)	980	
3.6	Distance between rear wheels	b11(mm)	920	
General dimensions				
4.1	Forward/reverse tilt of mast/fork carriage	α/β (°)	6/10	
4.2	Height of retracted mast	h1(mm)	2053	
4.3	Free lift	h2(mm)	130	
4.4	Basic lift height	h3(mm)	3000	
4.5	Deployed mast height	h4(mm)	3982	
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5.4	Maximum gradient performance, loaded/unloaded S2 5 min	%	15/12	
5.5	Service brake		Mechanical engineering	
Electric motor				
6.1	Traction motor power S2 60 min	kW	6.8	
6.2	Lifting motor output at S3 15%.	kW	8.6	
6.3	Standard battery		DIN	
6.4	Battery voltage, nominal capacity K5	V/Ah	Plomb-acide:48/360 (48/400,48/460)	Lead-acid:48/400 (48/460)
			Li: 51.2 (277/412)	
Further information				
8.1	Type of drive control		AC	
8.2	Hydraulic pressure for equipment	Mpa	14.5	
8.3	Oil volume for accessories	1/min	30	
8.4	Acoustic pressure level to EN 12 053	dB(A)	72	

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