

1.2 T FE3R12E



Three-wheel electric Forklift



NEW / *Noblelift Products*
ARRIVAL

ADVANTAGES

Maintenance-FREE AC Drive System

Adopt maintenance-free and powerful AC drive motor, compared with traditional DC motors, Noblift's AC motors do not need to replace Carbon brushes. Equipped with speed sensor and temperature sensor, greatly improving the AC motor's reliability and service life.

SIDE-EXTRACTION BATTERY (OPTIONAL)

The side-extraction battery is convenient and quick to replace, and can easily meet 24-hour continuous work.

Optimal design of vehicle

Transmission system uses a horizontal drive Axle arranged in parallel and has a large transmission ration. The battery is installed at the bottom of the frame, ensuring good vehicle stability.

Hydraulic system adopts the sophisticated accessories of storage trucks

The hydraulic system adopts the integrated pump station design and is equipped with a shock-mitigation system. low noise and comfortable operation.

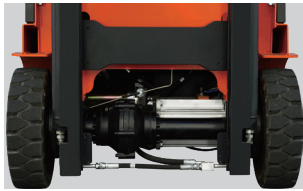
Comfort and easy operation

The whole vehicle adopts the reach truck operating mode, comfortable for driver's working space and more labor-saving.



Steering Axle

Dual wheel structure for smoother running. After power off, the rear wheels automatically return to the center. Three-wheel front drive electric forklift with double rear wheels. The whole truck is equipped with rubber solid tires as standard, and the driving speed can reach 9km/h with full load, with good stability.



transmission system

Transaxle structure, arranged in parallel, large transmission ratio. Fast speed, strong power, high climbing performance.



Multiway Valve Control Handle Integration

Integration of the gearshift switch and horn switch into the lift control handle increases operating comfort.



Easy and convenient operation, usb interface installation as an option.



All lights are LED and come standard with warning lights allowing one to operate freely at night.

Work quickly and flexibly in confined spaces such as trucks and containers.



Handrails installed for both on- and off-board, for better safety.



Front and rear adjustable seats (seat belt and armrest), adjustable steering wheel. Meet the driver's optimal driving position and reduce the driver's fatigue from long-time operation.

FE3R12E Series Battery Balance Weight Type Forklift

Identification

1.1	Manufacture(abbreviation)		NOBLELIFT
1.2	Manufacturer's type designation		FE3R12 E
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated
1.5	Load capacity/rated load	Q (kg)	1200
1.6	Load centre distance	C (mm)	500
1.8	Load distance,centre of drive axle to fork	X (mm)	284
1.9	wheelbase	y (mm)	1130

Weights

2.1	Service weight incl. battery(see line 6.5)	kg	1940
2.2	Axle loading ,laden front/rear	kg	2830/310
2.3	Axle loading,unladen front/rear	kg	950/990

Wheels, Chassis

3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		solid rubber
3.2	Tyres size,front		4.00-8
3.3	Tyres size,rear		3.50-5
3.5	Wheels,number front/rear(×=driven wheels)		2×/2
3.6	Track width,front	b10 (mm)	800
3.7	Track width,rear	b11 (mm)	186

Basic Dimensions

4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$	3/5
4.2	lowered mast height	h1 (mm)	1975
4.3	Free lift	h2 (mm)	95
4.4	Lift height	h3 (mm)	3000
4.5	Extended mast height	h4 (mm)	3865
4.7	Overhead load guardheight	h6 (mm)	1975
4.8	Seat height/standing height	h7 (mm)	980
4.12	Coupling height	h10 (mm)	540
4.19	Overall length	l1 (mm)	2570
4.20	Length to face of forks	l2 (mm)	1650
4.21	Overall width	b1 (mm)	922
4.22	Fork dimensions	s/e/l (mm)	35/100/920
4.24	Fork carriage width	b3 (mm)	825
4.31	Ground clearance ,laden,under mast	m1 (mm)	80
4.32	Ground clearance,centre of wheelbase	m2 (mm)	90
4.33	Aisle width for pallets 1000×1200 crossways	Ast (mm)	2974
4.34	Aisle width for pallets 800×1200 lengthways	Ast (mm)	3174
4.35	Turning radius	Wa (mm)	1490

Performance Data

5.1	Travel speed,laden/unladen	km/h	9/10
5.2	Lift speed,laden/unladen	m/s	0.15/0.22
5.3	lowering speed,laden/unladen	m/s	0.25/0.27
5.5	Drawbar pull,laden/unladen S2 60 min	N	1800/2300
5.6	Max.drawbar pull ,laden/unladen S2 5 min	N	3420/3640
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	6/10
5.10	Service brake		hydr.

E-Motor

6.1	Drive motor rating S2 60 min	kW	3.9
6.2	Lift motor rating at S3 15%	kW	3
6.3	Battery standard		DIN
6.4	Battery voltage,nominal capacity K5	V/Ah	48/165 (180/210 Optional)
6.5	Battery weight	kg	330
	Battery dimensions l/w/h	mm	756/361/640

Other Details

8.1	Type of drive control		AC
8.2	Operating pressure for attachments	MPa	13.5
8.3	Oil volume for attachments	l/min	11
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	70

Mast Table FE3R12 E

Designation	Lift height h3 (mm)	Free Lift h2 (mm)	Closed mast height h1 (mm)	Extended mast height h4 (mm)	Tilt forward/backward $\alpha / \beta(^{\circ})$	Capacity table(kg) C=500mm without sideshift, single pneumatic tyres FE3R12 E
Two-stage STD	2500	95	1715	3365	3/5	1200
	2700	95	1815	3565	3/5	1200
	3000	95	1965	3865	3/5	1200
	3300	95	2155	4165	3/5	1200
	3500	95	2215	4365	3/5	1050
	3700	95	2315	4565	3/5	950
	4000	95	2515	4865	3/5	900
Two-stage FL	2500	875	1715	3365	3/5	1200
	2700	975	1815	3565	3/5	1200
	3000	1125	1965	3865	3/5	1200
	3300	1275	2155	4165	3/5	1200
	3500	1375	2215	4365	3/5	1050
	3700	1475	2315	4565	3/5	950
	4000	1625	2515	4865	3/5	900
Three-stage FFL	4000	1061	1900	4865	3/5	900
	4350	1161	2000	5215	3/3	800
	4500	1211	2050	5365	3/3	700
	4800	1311	2150	5665	3/3	550
	5000	1411	2250	5865	3/3	450

Free lift height (no load-backrest) +305mm

