- Smart & Compact Design with Great Mobility
- Maintenance-free AC Drive System
- Intelligent Computer Controller System
- On-board Self-Diagnostic Display
- Excellent Safety and Reliability
- Easy Service & Maintenance
- Standard Side Battery Extraction
- Great Comfort and Ergonomic Design
- Easy EPS Steering (for FE3R08-12N)

FE3R N Series

Three-wheel Rear Drive Forklift

Capacity:
800kg
1000kg
1200kg

Maximum lifting Height:
3000mm

Overall Width:
880mm



24Volt
Zapi Controller

Capacity:
1600kg

Maximum lifting Height:
3000mm

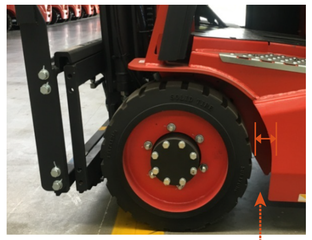
Overall Width:
1000mm



48Volt
Curtis Controller

Variable wheelbase design:
Mast tilting function realised through the movement of front axle





NOBLELIFT CHINA
Add:528 Changzhou Road,Taihu Sub-district,
Changxing, Zhejiang 313100 China
Tel:86-572-6210817 6210311
Fax:86-572-6210777 6128612
Email:info@noblelift.com
Http:www.noblelift.com www.noblelift.cn

NOBLELIFT RUSSIA
ООО «Ноблелифт Рус»
194292, Санкт-Петербург
Домостроительная ул. 4А офис 301
Бизнес-центр «Парнас»
Тел.: +7-800-700-28-97
Email: sales@noblelift.com.ru
Http: www.noblelift.com.ru

NOBLELIFT EUROPE GMBH
Add:Borsigstrasse 9-93082 Barbing
Germany
Tel:+49 9401 607930
Fax:+49 9401 6079329
Email:mail@noblelifteurope.com
Http:www.noblelifteurope.com

NOBLELIFT NORTH AMERICA CORP
Add:2461 S Wolf Road Des Plaines,
IL 60018
Tel:001-847-595-7100
Fax:001-847-595-7200
Email:sales@noblelift.com
Http:www.noblelift.us

Official website

Our Wechat



NOBLELIFT
Material Handling

We promise,
We deliver

FE3R N Series

ISO9001 / ISO14001
//2019.01



Three-wheel Rear Drive Forklift

800-1600kg

High Efficiency

High Mobility

Cost-effective

Compact Design

NEW ARRIVAL
Noblelift Products



Battery compartment with rollers for 08-12N

Fully openable covers for easy service and maintenance. Standard Side Battery Extraction for easy battery replacement.



Battery compartment with fork pockets for 16N







A



B



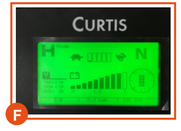
C



D



E



F



G



H

A Front LED Lights, Steering lights, Rear Combination Lights, Warning light standard, safe to work in dark environment such as containers or in the night.

B-C Small Diameter Steering Wheel with Spinner Knob, Adjustable Steering wheel position and seat to optimize the comfortness of the operator for long time operation.

D Small Diameter Solid Front Wheels for easy and smooth motion.

E-F Intelligent ZAPI or Curtis Self-diagnostic display for easy operation and maintenance, Standard Rear Wheel Position Sensor & Display with Speed Reduction at Turning.

G Optional different battery capacities for different operation needs, optional Aquamatic battery self-filling system for easy battery maintenance.

H Extremely compact design with small width and turning radius for easy operation in confined spaces.

FE3R08-12N Mast Table

Designtion	Lift height h_3(mm)	Free lift h_2(mm)	Closed mast height h_1(mm)	Extended mast height h_4(mm)	Tilt forward/backward α/β（°）	Capacity table(kg) C=500mm without sideshift,single solid tyres		
						FE3R08N	FE3R10N	FE3R12N
Two-stage ZT	2500	95	1715	3365	3/5	800	1000	1200
	2700	95	1815	3565	3/5	800	1000	1200
	3000	95	1965	3865	3/5	800	1000	1200
	3300	95	2155	4165	3/5	750	1000	1200
	3500	95	2215	4365	3/5	720	920	1050
	3700	95	2315	4565	3/5	700	850	950
	4000	95	2515	4865	3/5	650	800	900
Two-stage ZZ	2500	875	1715	3365	3/5	800	1000	1200
	2700	975	1815	3565	3/5	800	1000	1200
	3000	1125	1965	3865	3/5	800	1000	1200
	3300	1275	2155	4165	3/5	750	1000	1200
	3500	1375	2215	4365	3/5	720	920	1050
	3700	1475	2315	4565	3/5	700	800	950
	4000	1625	2515	4865	3/5	650	750	900
Three-stage DZ	4000	1061	1900	3565	3/5	/	750	900
	4350	1161	2000	3790	3/3	/	650	800
	4500	1211	2050	3890	3/3	/	550	700
	4800	1311	2150	4090	3/3	/	450	550
	5000	1411	2250	4240	3/3	/	400	450

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

FE3R16N Mast Table

Designtion	Lift height h_3(mm)	Free lift h_2(mm)	Closed mast height h_1(mm)	Extended mast height h_4(mm)	Tilt forward/backward α/β（°）	Capacity table(kg) C=500mm without sideshift,single solid tyres
Two-stage ZT	2500	105	1747	3480	3/6	1600
	2700	105	1847	3680	3/6	1600
	3000	105	1997	3980	3/6	1600
	3300	105	2147	4280	3/6	1600
	3500	105	2247	4480	3/6	1600
	3700	105	2347	4680	3/6	1500
	4000	105	2547	4980	3/3	1450
	4300	105	2697	5280	3/3	1350
	4500	105	2797	5480	3/3	1250
	5000	105	3072	5980	3/3	1150
Two-stage ZZ	2500	792	1747	3494	3/6	1600
	2700	892	1847	3694	3/6	1600
	3000	1042	1997	3994	3/6	1600
	3300	1192	2147	4294	3/6	1600
	3500	1292	2247	4494	3/6	1600
	3700	1392	2347	4694	3/6	1500
	4000	1592	2547	4994	3/3	1450
	4300	1742	2697	5294	3/3	1400
	4500	1842	2797	5494	3/3	1300
Three-stage DZ	4000	1386	1934	4974	3/3	1500
	4350	1510	2059	5322	3/3	1400
	4500	1560	2109	5472	3/3	1300
	4800	1660	2209	5772	3/3	1200
	5000	1760	2309	5972	3/3	1150
	5500	1910	2459	6472	3/3	1050
	6000	2110	2659	6979	3/3	950

Free lift height (no load-backrest) +434mm

N Battery Balance Weight Type Forklift (VDI 2198)

Identification						
1.1	Manufacture(abbreviation)		NOBLELIFT			
1.2	Manufacturer's type designation		FE3R08N	FE3R10N	FE3R12N	FE3R16N
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		Electric	Electric	Electric	Electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		Seated	Seated	Seated	Seated
1.5	Load capacity/rated load	Q(kg)	800	1000	1200	1600
1.6	Load centre distance	C(mm)	500	500	500	500
1.8	Load distance,centre of drive axle to fork	x(mm)	265	265	265	340
1.9	wheelbase	y(mm)	841/923	951/1033	991/1073	1240
Weights						
2.1	Service weight incl. battery(see line 6.5)	kg	1800	1910	2080	3000
2.2	Axle loading ,laden front/rear	kg	2300/300	2600/310	2950/330	4000/600
2.3	Axle loading,unladen front/rear	kg	770/1020	850/1060	880/1220	1280/1720
Wheels、Chassis						
3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		solid rubber/polyurethane	solid rubber/polyurethane	solid rubber/polyurethane	solid rubber/solid rubber
3.2	Tyres size,front		13×4 1/2×8	13×4 1/2×8	13×4 1/2×8	18×7×12 1/8
3.3	Tyres size,rear		φ250×82	φ250×82	φ343×140	18×7-8
3.5	Wheels,number front/rear(x=driven wheels)		2/1×	2/1×	2/1×	2/1×
3.6	Track width,front	b_{10}(mm)	765	765	765	822
3.7	Track width,rear	b_{11}(mm)	/	/	/	/
Basic Dimensions						
4.1	Mast/fork carriage tilt forward/backward	α/β(°)	3/5	3/5	3/5	3/6
4.2	lowered mast height	h_1(mm)	1965	1965	1965	1997
4.3	Free lift	h_2(mm)	95	95	95	105
4.4	Lift height	h_3(mm)	3000	3000	3000	3000
4.5	Extended mast height	h_4(mm)	3865	3865	3865	3980
4.7	Overhead load guardheight	h_6(mm)	1975	1975	1975	2060
4.8	Seat height/standing height	h_7(mm)	980	980	980	1050
4.12	Coupling height	h_{10}(mm)	540	540	540	570
4.19	Overall length	l_1(mm)	2290	2400	2460	2785
4.20	Length to face of forks	l_2(mm)	1370	1480	1545	1865
4.21	Overall width	b_1(mm)	880	880	880	1000
4.22	Fork dimensions	s/e/l(mm)	35/100/920	35/100/920	35/100/920	35/100/920
4.24	Fork carriage width	b_3(mm)	825	825	825	980
4.31	Ground clearance ,laden,under mast	m_1(mm)	80	80	80	92
4.32	Ground clearance,centre of wheelbase	m_2(mm)	90	90	90	97
4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	2760	2920	2950	3222
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	2878	3038	3068	3312
4.35	Turning radius	Wa(mm)	1160	1320	1350	1520
Performance Data						
5.1	Travel speed,laden/unladen	km/h	8/9	7.5/9	7/9	10/11
5.2	Lift speed,laden/unladen	m/s	0.17/0.28	0.16/0.22	0.15/0.22	0.24/0.37
5.3	lowering speed,laden/unladen	m/s	0.23/0.22	0.16/0.20	0.17/0.20	＜600
5.5	Drawbar pull,laden/unladen S2 60 min	N	1500/1700	1500/1700	1800/2300	2800/8000
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	6/10	6/10	6/10	10/13
5.10	Service brake		hydr.	hydr.	hydr.	hydr.
E-Motor						
6.1	Drive motor rating S_2 60 min	kW	2.5	2.5	3	5
6.2	Lift motor rating at S_3 15%	kW	3	3	3	8.6
6.3	Battery standard		DIN	DIN	DIN	DIN
6.4	Battery voltage,nominal capacity K5	V/Ah	24/280 (360/400)(Optional)	24/420 (480/540)(Optional)	24/420 (480/540)(Optional)	48/350 (48/400)
6.5	Battery weight	kg	280/364/428	392/440/488	392/440/488	590
	Battery dimensions l/w/h	mm	806/263/628	806/372/628	806/372/628	770×485×661
Other Details						
8.1	Type of drive control		AC	AC	AC	AC
8.2	Operating pressure for attachments	MPa	11.5	13.5	15.5	16
8.3	Oil volume for attachments	l/min	16	16	16	30
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	70	70	70	70