NOBLELIFT

1200 - 1600KG

FE3R12/16N

3-WHEEL SINGLE-MOTOR ELECTRIC FORKLIFT TRUCK

- Ergonomic
- Compact design
- Best value for money
- Capacity 1200-1600kg
- High performance

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

FE3R12-16N - PRODUCT OVERVIEW

- Compact design, ideal for use in confined spaces
- Maintenance-free AC traction system
- Curtis / ZAPI drive
- On-board self-diagnostic display
- Excellent safety and reliability
- Easy care and maintenance
- Lateral extraction of the battery on the FE3R16N model
- High comfort and ergonomic design
- Smooth, precise steering

Capacity: 1600kg
Max. lifting height: 6000mm
Overall width: 1000mm

48V Curtis drive and indicator

Capacity: 800kg 1000kg 1200kg
Max. lifting height: 5000mm
Total width: 880mm

24V ZAPI drive

// Ingenious design

The wheelbase is variable because the mast tilt function is performed by the movement of the front axle.

FE3R12N

FE3R12-16N - PRODUCT FEATURES

An ingenious side access hatch for easy access to the battery on the FE3R16N model.

The N Series can be adapted to your needs by offering different battery capacities.

The electric forklift range is fitted as standard with a new ergonomic steering wheel with a reduced diameter and a steering wheel ball. The adjustable steering wheel and seat ensure comfort over long periods of use. Pleasant, fatigue-free driving for the operator.

ZAPI FE3R12N

ZAPI FE3R16N

A ZAPI or Curtis intelligent self-diagnosis screen is fitted as standard, to facilitate and optimise use and maintenance. The system has a sensor, reversing radars and speed reduction on bends.

The FE3R12N trucks have a new, extremely compact and ergonomic design. The overall width is just 880mm. It's the ideal tool for manoeuvring in tight spaces.

FE3R12-16 mast table

1200 - 1600kg

Designation	Lift height h3(mm)	Free lift h2 (mm)	Height of retracted mast h1 (mm)	Deployed mast height h4 (mm)	Forward/back ward tilt α / β (°)	Capacity table(kg) C=500mm without side shift, soft solid tyres
						FE3R12N
Duplex	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
Duplex Large free lift	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
Triplex Large free lift	4000	1061	1900	3565	3/5	900
	4350	1161	2000	3790	3/3	800
	4500	1211	2050	3890	3/3	700
	4800	1311	2150	4090	3/3	550
	5000	1411	2250	4240	3/3	450

Designation	Lift height h3 (mm)	Free lift h2 (mm)	Height of closed mast h1 (mm)	Extended mast height h4 (mm)	Forward/back ward tilt α / β (°)	Capacity table(kg) C=500mm without side shift, soft solid tyres
						FE3R16N
Duplex	2500	105	1747	3480	4/4	1600
	2700	105	1847	3680	4/4	1600
	3000	105	1997	3980	4/4	1600
	3300	105	2147	4280	4/4	1600
	3500	105	2247	4480	4/4	1600
	3700	105	2347	4680	4/4	1500
	4000	105	2547	4980	4/4	1450
	4300	105	2697	5280	4/4	1350
	4500	105	2797	5480	4/4	1250
	5000	105	3072	5980	4/4	1150
Duplex Large free lift	2500	792	1747	3494	4/4	1600
	2700	892	1847	3694	4/4	1600
	3000	1042	1997	3994	4/4	1600
	3300	1192	2147	4294	4/4	1600
	3500	1292	2247	4494	4/4	1600
	3700	1392	2347	4694	4/4	1500
	4000	1592	2547	4994	4/4	1450
	4300	1742	2697	5294	4/4	1400
	4500	1842	2797	5494	4/4	1350
Triplex Large free lift	4000	1386	1934	4974	4/4	1500
	4350	1510	2059	5322	4/4	1400
	4500	1560	2109	5472	4/4	1300
	4800	1660	2209	5772	4/4	1200
	5000	1760	2309	5972	4/4	1150
	5500	1910	2459	6472	4/4	1050
	6000	2110	2659	6979	4/4	950

FE3R12-16N Electric 3-wheel single-motor forklift truck 1200 - 1600kg

Identification				
1.1	Manufacturer's type designation		FE3R12N	FE3R16N
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)	1200	1600
1.5	Distance from the load's centre of gravity	c(mm)	500	
1.6	Load distance between the centre of the drive axle and the fork	x(mm)	265	340
1.7	Wheelbase	y(mm)	991/1073	1220
Weight				
2.1	Operating weight with battery	kg	2080	3000
2.2	Axle load, front/rear laden	kg	2950/330	4000/300
2.3	Axle load, unladen front/rear	kg	880/1220	1280/1720
Wheels, chassis				
3.1	Type: solid rubber, superelastic, pneumatic, polyurethane		PPS/PU	PPS
3.2	Front tyre size		13x41/2x8	18x7-8
3.3	Rear tyre size		Φ250x82 PU	18x7-8
3.4	Number of front/rear wheels (x = drive wheels)		2/1x	
3.5	Front track width	b10(mm)	765	838
3.6	Rear track width	b11(mm)	0	
Basic dimensions				
4.1	Mast/fork carriage tilt front/rear	α/β (°)	3/5	4/4
4.2	Height of retracted mast	h1(mm)	1965	1997
4.3	Free lift	h2(mm)	95	105
4.4	Basic lift height	h3(mm)	3000	
4.5	Deployed mast height	h4(mm)	3865	3980
4.6	Height of protective roof (cab)	h6(mm)	1975	2080
4.7	Seat height / standing height	h7(mm)	980	1050
4.8	Hitch height	h10(mm)	540	570
4.9	Total length	l1(mm)	2460	2750
4.10	Length to front of forks	l2(mm)	1545	1830
4.11	Total width	b1(mm)	880	1000
4.12	Fork dimensions	L/l/h(mm)	40/120/920	35/100/920
4.13	Fork carriage width	b3(mm)	825	980
4.14	Loaded ground clearance under mast	m1(mm)	80	92
4.15	Ground clearance, centre of trolley	m2(mm)	90	97
4.16	Aisle width for 1000x1200 pallets crosswise	Ast(mm)	2951	3169
4.17	Aisle width for pallets 800x1200 in length	Ast(mm)	3069	3292
4.18	Turning radius	Wa(mm)	1350	1500
Performance data				
5.1	Travel speed with/without load	km/h	7/9	10/11
5.2	Lift speed with/without load	m/s	0.15/0.22	0.30/0.40
5.3	Lowering speed, loaded/unloaded	m/s	0.17/0.20	<0.6
5.4	Traction, loaded/unloaded S2 60 min	N	1800/2300	2800/8000
5.5	Maximum gradient performance, loaded/unloaded S2 5 min	%	6/10	10/13
5.6	Service brake		Hydraulics / Mechanics	
Electric motor				
6.1	Traction motor power S2 60 min	kW	2.5	5
6.2	Lifting motor output at S3 15%.	kW	3	7
6.3	Standard battery		DIN	BS
6.4	Battery voltage, nominal capacity K5	V/Ah	24V/600Ah	48/350 (48V/400)(optional)
6.5	Battery weight	kg	490	650
6.6	Battery dimensions 1/w/h	mm	806/263/628	770/485/661
Further information				
7.1	Type of drive control		AC	
7.2	Hydraulic pressure for equipment	Mpa	13.5	16
7.3	Oil volume for accessories	1/min	11	30
7.4	Acoustic pressure level EN 12 053	dB(A)	70	

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