

FE3R N Series

ISO9001 / ISO14001



Three-wheel Rear Drive Forklift  1500-3500lbs



ELEVEX™
Material Handling Solutions

- 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 FE3R15-25N)

FE3R N Series

Three-wheel Rear Drive Forklift

Capacity:

1500lbs
2000lbs
2500lbs

Maximum lifting Height:

15N-157in
20/25N-197in

Overall Width:
35inch



**24Volt
Zapi Controller**

Capacity:

3500lbs

Maximum
lifting Height:
236in

Overall Width:
40inch



**48Volt
Curtis Controller**

Variable wheelbase design:

Mast tilting function realised through the movement of front axle





Three-wheel Rear Drive Forklift **FE3R N Series**



- Battery compartment with rollers for 15-25N



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



- Battery compartment with fork pockets for 35N



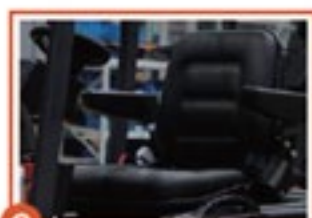
A

- 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

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



C

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



D

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



E



F

- 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



H

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

FE3R15-25N Mast Table

Designation	Lift height h_2 (in)	Free lift h_2 (in)	Closed mast height h_1 (in)	Extended mast height h_4 (in)	Tilt forward/backward α/β (°)	Capacity table(lbs) C=19.7in without sideshift, single solid tyres		
						FE3R15N	FE3R20N	FE3R25N
Two-stage ZT	98	4	68	132	3/5	1760	2200	2640
	106	4	71	140	3/5	1760	2200	2640
	118	4	77	152	3/5	1760	2200	2640
	130	4	85	164	3/5	1650	2200	2640
	138	4	87	172	3/5	1584	2024	2310
	146	4	91	180	3/5	1540	1870	2090
	157	4	99	192	3/5	1430	1760	1980
Two-stage ZZ	98	34	68	132	3/5	1760	2200	2640
	106	38	71	140	3/5	1760	2200	2640
	118	44	77	152	3/5	1760	2200	2640
	130	50	85	164	3/5	1650	2200	2640
	138	54	87	172	3/5	1548	2024	2310
	146	58	91	180	3/5	1540	1760	2090
	157	64	99	192	3/5	1430	1650	1980
Three-stage DZ	157	42	75	140	3/5	/	1650	1980
	171	46	79	149	3/3	/	1430	1760
	177	48	81	153	3/3	/	1210	1540
	189	52	85	161	3/3	/	9900	1210
	197	56	89	167	3/3	/	880	990

Free lift height (no load-backrest) +12in

FE3R35N Mast Table

Designation	Lift height h_2 (in)	Free lift h_2 (in)	Closed mast height h_1 (in)	Extended mast height h_4 (in)	Tilt forward/backward α/β (°)	Capacity table(lbs) C=19.7in without sideshift, single solid tyres	
Two-stage ZT	98	4	69	137	3/6		3520
	106	4	73	145	3/6		3520
	118	4	79	157	3/6		3520
	130	4	85	169	3/6		3520
	138	4	88	176	3/6		3520
	146	4	92	184	3/6		3300
	157	4	100	196	3/3		3190
	169	4	106	208	3/3		1350
	177	4	110	216	3/3		2970
Two-stage ZZ	197	4	121	235	3/3		2750
	98	31	69	138	3/6		2530
	106	35	73	145	3/6		3520
	118	41	79	157	3/6		3520
	130	47	85	169	3/6		3520
	138	51	88	177	3/6		3520
	146	55	92	185	3/6		3300
	157	63	100	197	3/3		3190
	169	69	106	208	3/3		3080
Three-stage DZ	177	73	110	216	3/3		2860
	157	55	76	196	3/3		3300
	171	59	81	210	3/3		3080
	177	61	83	215	3/3		2860
	189	65	87	227	3/3		2640
	197	69	91	235	3/3		2530
	217	75	97	255	3/3		2310
	236	83	105	275	3/3		2090

Free lift height (no load-backrest) +17in



Three-wheel Rear Drive Forklift FE3R N Series

N Battery Balance Weight Type Forklift (VDI 2198)

Identification						
1.1	Manufacture(abbreviation)		NOBLELIFT			
1.2	Manufacturer's type designation		FE3R15N	FE3R20N	FE3R25N	FE3R35N
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(lbs)	1760	2200	2640	3520
1.6	Load centre distance	C(in)	19.7	19.7	19.7	19.7
1.8	Load distance,centre of drive axle to fork	x(in)	10.4	10.4	10.4	13.4
1.9	wheelbase	y(in)	33.1/36.3	37.4/40.7	39/42.2	48.8
Weights						
2.1	Service weight Incl. battery(see line 6.5)	lbs	3960	4202	4576	6600
2.2	Axle loading ,laden front/rear	lbs	5060/660	5720/682	6490/726	8800/1320
2.3	Axle loading,unladen front/rear	lbs	1694/2244	1870/2332	1936/2684	2816/3784
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		13x4 1/2x8	13x4 1/2x8	13x4 1/2x8	18x7x12 1/8
3.3	Tyres size,rear		ø9.8x3.2	ø9.8x3.2	ø13.5x3.2	18x7-8
3.5	Wheels,number front/rear(X=driven wheels)		2/1x	2/1x	2/1x	2/1x
3.6	Track width,front	b _w (in)	30.1	30.1	30.1	32.4
3.7	Track width,rear	b _r (in)	/	/	/	36.2
Basic Dimensions						
4.1	Mast/fork carriage tilt forward/backward	α/β(°)	3/5	3/5	3/5	6/10
4.2	lowered mast height	h ₁ (in)	77.4	77.4	77.4	78.6
4.3	Free lift	h ₂ (in)	3.7	3.7	3.7	4.1
4.4	Lift height	h ₃ (in)	118.1	118.1	118.1	118.1
4.5	Extended mast height	h ₄ (in)	152.2	386.5	152.2	156.7
4.7	Overhead load guardheight	h ₅ (in)	77.8	77.8	77.8	81.1
4.8	Seat height/standing height	h ₆ (in)	38.6	38.6	38.6	41.3
4.12	Coupling height	h ₇ (in)	21.3	21.3	21.3	22.4
4.19	Overall length	l ₁ (in)	90.2	94.5	96.9	109.6
4.20	Length to face of forks	l ₂ (in)	53.9	58.3	60.8	73.4
4.21	Overall width	b ₁ (in)	34.6	34.6	34.6	39.4
4.22	Fork dimensions	s/e/l(in)	1.4/3.9/36.2	1.4/3.9/36.2	1.4/3.9/36.2	1.4/3.9/36.2
4.24	Fork carriage width	l ₃ (in)	32.5	32.5	32.5	38.6
4.31	Ground clearance ,laden,under mast	m ₁ (in)	3.1	3.1	3.1	3.6
4.32	Ground clearance,centre of wheelbase	m ₂ (in)	3.5	3.5	3.5	3.8
4.33	Aisle width for pallets 1000x1200 crossways	Ast(in)	108.7	115.0	116.1	126.9
4.34	Aisle width for pallets 800x1200 lengthways	Ast(in)	113.3	119.6	120.8	130.4
4.35	Turning radius	Wa(in)	45.7	52.0	53.1	59.8
Performance Data						
5.1	Travel speed,laden/unladen	mline/h	5.0/5.6	4.7/5.6	4.3/5.6	6.2/6.8
5.2	Lift speed,laden/unladen	tpm	3.3/5.5	3.2/4.3	3.0/4.3	4.7/7.3
5.3	lowering speed,laden/unladen	tpm	4.5/4.3	3.2/3.9	3.3/3.9	< 11820
5.5	Drawbar pull,laden/unladen S2 60 min	blf	3300/3740	3300/3740	3960/5060	630/1800
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	6/10	6/10	6/10	2.3/2.9
5.10	Service brake		hydr.	hydr.	hydr.	hydr.
E-Motor						
6.1	Drive motor rating S ₂ 60 min	hp	3.4	3.4	4	6.7
6.2	Lift motor rating at S ₂ 15%	hp	4	3	4	11.5
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	lbs	616/800/942	862/968/1073	862/968/1073	1430
	Battery dimensions l/w/h	in	31.7/10.3/24.7	31.7/14.6/24.7	31.7/14.6/24.7	30.3x19.1x26.0
Other Details						
8.1	Type of drive control		AC	AC	AC	AC
8.2	Operating pressure for attachments	psi	1700	2000	2200	2537.5
8.3	Oil volume for attachments	gmp	253.6	253.6	253.6	570.6
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	70	70	70	73



MONTREAL (Head office)

19151 A, Cruickshank Avenue
Baie-D'Urfé (Québec) H9X 3N9
Phone: 418 694-4223
Toll free: 1 866 421-4223

info@elevex.ca
elevex.ca

QUEBEC

1279, Paul-Émile Giroux St.
Suite 200
Québec (Québec) G1C 0K9

SAGUENAY

2305, Alexis-Le-Trotteur St.
Jonquière (Québec) G7X 9H8