

NOBLELIFT
N O R T H A M E R I C A

FE3RNLi Compact Series

Lithium Iron Phosphate Forklift

Advanced Lithium Technology

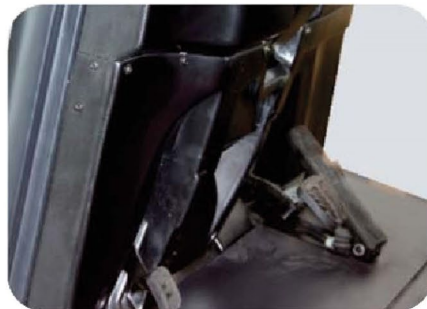
- 2 Hours Full Charge
- Opportunity Charging
- Emissions Free
- Maintenance Free
- Safer Chemical Compound
- Eliminating toxic CO2 gases and chemicals
- Battery Charging Rooms not required
- Environmentally Safe
- Lower Cost of Ownership
- 10 Year Battery Warranty



- Mast: 118"-189"
- Lift Capacity: 1500-2500 lb.
- Fork: 42" Standard
- Load Center Distance: 24"
- Tilt: 3°F/5°B
- Side Shift
- Blue Light
- Rear Work light
- Rear Grab Bar with Horn
- Dual Rearview Mirrors
- OHG: 77"
- OAL: 34"W x 59"L
- Lithium Iron Phosphate Battery:24V/300-400Ah
- 24V/150 or 24V/200A Charger
- Tires: Drive – Cushion 13x4 1/2x8
- Drive Wheel– Polyurethane 9.8x3.2 (for 15/20N)
- Drive Wheel– Polyurethane 13.5x3.2 (for 25N)
- 24 Volt Electrical AC Drive System
- Rear Wheel Drive
- Italian ZAPI Intelligent Computer Control System
- Adjustable Performance Parameters
- Intelligent Monitoring System (IMS)
- Display Indicators
- On-Board ZAPI Self-Diagnostics
- 2-Way Proportional Hydraulic Control Valve Standard
- Infinitely Variable Hydraulic Control Speeds
- Electric Power Steering (EPS)
- Battery Discharge Indicator (BDI) w/ Lift Interrupt
- Operator Restraint System w/ Retractable Seat Belt
- Can-Bus Communications System
- Operator Presence Sensing System (OPSS)
- Variable Wheelbase
- 34" Overall Width
- 35" High Load Back Rest
- Draw Bar
- Tilt Steer Column
- OHG Mounted Headlights
- Easy Open Side Battery Access Door
- Small Diameter Steering Wheel with Spinner Knob
- Combination Lever with Integrated F/R Switch
- Multiple Regenerative Braking Systems
- Parking Brake Warning
- Cushioned Rubber Floor Mat
- IPx4 Waterproof Design
- Battery Restraint System



Superior Ergonomic Design



Foot Parking Brake System



Impressive Open View Mast



Iron Phosphate Lithium Battery



Ergonomic Right Hand Operating Hydraulic Handle



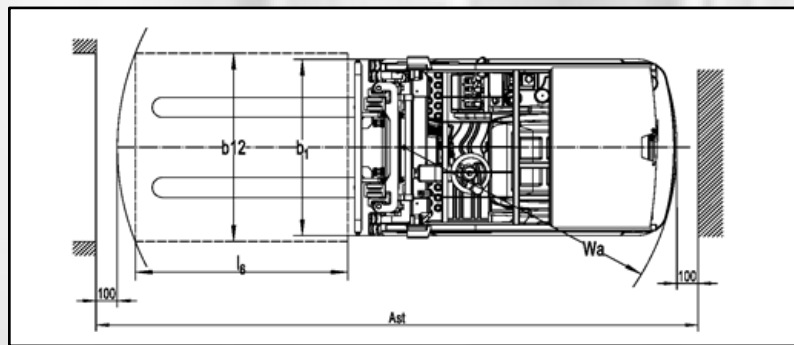
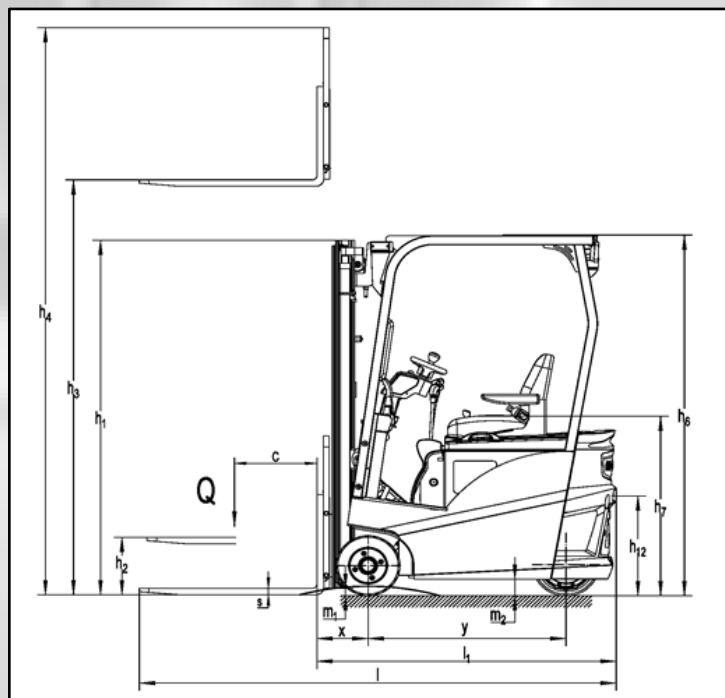
Forward / Reverse Switch on Handle

N Battery Balance Weight Type Forklift (VDI 2198)

Identification		NOBLELIFT		
1.1	Manufacture(abbreviation)			
1.2	Manufacturer's type designation	FE3R15N	FE3R20N	FE3R25N
1.3	Drive:electric(battery or mains)	Electric	Electric	Electric
1.4	Type of operation(seated,)	Seated	Seated	Seated
1.5	Load capacity/rated load	Q(lb) 1500	2000	1200
1.6	Load centre distance	C(in) 24	24	24
1.8	Load distance,centre of drive axle to fork	x(in) 10.43	10.43	10.43
1.9	wheelbase	y(in) 33/36	33.5/40.66	39/42.24
Weights				
2.1	Service weight incl. battery(see line 6.5)	lbs 3968	4210	4585
2.2	Axle loading ,laden front/rear	lbs 5070/661	5732/683	6503/727
2.3	Axle loading,unladen front/rear	lbs 770/1020	850/1060	880/1220
Wheels, Chassis				
3.1	Type:solid rubber,superelastic,pneumatic,polyurethane	solid rubber/poly	solid rubber/poly	solid rubber/poly
3.2	Tires size,front	(in) 13×4 1/2×8	13×4 1/2×8	13×4 1/2×8
3.3	Tires size,rear	(in) 9.84×3.22	9.84×3.22	13.5×5.5
3.5	Wheels,number front/rear(x=driven wheels)	2/1×	2/1×	2/1×
3.6	Track width,front	b10(in) 30	30	30
3.7	Track width,rear	b11(in) /	/	/
Basic Dimensions				
4.1	Mast/fork carriage tilt forward/backward	α/β(°) 3/5	3/5	3/5
4.2	lowered mast height	h1(in) 77	77	77
4.3	Free lift	h2(in) 3.74	3.74	3.74
4.4	Lift height	h3(in) 118	118	118
4.5	Extended mast height	h4(in) 152	152	152
4.7	Overhead load guardheight	h6(in) 77.75	77.75	77.75
4.8	Seat height/standing height	h7(in) 38.58	38.58	38.58
4.12	Coupling height	h10(in) 21	21	21
4.19	Overall length	l1(in) 96.15	100	102
4.20	Length to face of forks	l2(in) 53.9	58	59.8
4.21	Overall width	b1(in) 34.6	34.6	34.6
4.22	Fork dimensions	s/e/l(in) 1.3/4/42	1.3/4/42	1.3/4/42
4.24	Fork carriage width	l3(in) 32.4	32.4	32.4
4.31	Ground clearance ,laden,under mast	m1(in) 3.14	3.14	3.14
4.32	Ground clearance,centre of wheelbase	m2(in) 3.5	3.5	3.5
4.33	Aisle width for pallets 1000×1200 crossways	Ast(in) 108.6	115	116
4.34	Aisle width for pallets 800×1200 lengthways	Ast(in) 113.3	119.6	120.7
4.35	Turning radius	Wa(in) 45.66	52	53
Performance Data				
5.1	Travel speed,laden/unladen	mph 5/5.6	4.66/5.6	4.34/5.6
5.2	Lift speed,laden/unladen	m/s 0.17/0.28	0.16/0.22	0.15/0.22
5.3	lowering speed,laden/unladen	m/s 0.23/0.22	0.16/0.20	0.17/0.20
5.5	Drawbar pull,laden/unladen S2 60 min	N 1500/1700	1500/1700	1800/2300
5.7	Max.Gradient performance,laden/unladen S2 5 min	% 6/10	6/10	6/10
5.10	Service brake	hydr.	hydr.	hydr.
E-Motor				
6.1	Drive motor rating S ₂ 60 min	kW 2.5	2.5	3
6.2	Lift motor rating at S ₃ 15%	kW 3	3	3
6.3	Battery standard	DIN	DIN	DIN
6.4	Lithium Battery voltage,nominal capacity K5	V/Ah 24/300 (400)(Optional)	24/300 (400)(Optional)	24/300 (400)(Optional)
6.5	Battery weight	lb 617/802/943	864/970/1075	864/970/1075
	Battery dimensions l/w/h	in 31/10/24	31/10/24	31/10/24
Other Details				
8.1	Type of drive control	AC	AC	AC
8.2	Operating pressure for attachments	MPa 11.5	13.5	15.5
8.3	Oil volume for attachments	l/min 16	16	16
8.4	Sound level at driver's ear according to EN 12 053	dB(A) 70	70	70

FE3R15-25N Mast Table

Designation	Lift height h_3 (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
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
Three-stage DZ	157	64	99	192	3/5	1430	1650	1980
	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



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