

NOBLELIFT

FE3D N SERIES 3-WHEEL ELECTRIC FORKLIFT 3500-4400 LBS

NEW

- 48 Volt Electrical TOTAL AC System
- All-Around Dual Front Wheel Drive
- Curtis Intelligent Computer Control System
- With On-Board Curtis Self-Diagnostics (IMS) Display
- Excellent Safety and Reliability
- Easy Service and Maintenance
- SmartOpen Side Battery Access Door
- Great comfort and ergonomic design





48 Volt Electrical TOTAL AC System with Low Maintenance Costs

The Total AC system design utilizes two AC drive motors and one AC hydraulic motor to achieve high performance with minimal costs . AC motors eliminate the need for motor brush or contactor checks or replacements, thereby greatly reducing overall routine maintenance costs.

AC motors also provide high operating efficiency, long operating life, and longer run times than conventional DC type motors. The truck's power saving function enhances the truck's ability to operate for longer periods without reducing productivity or performance.

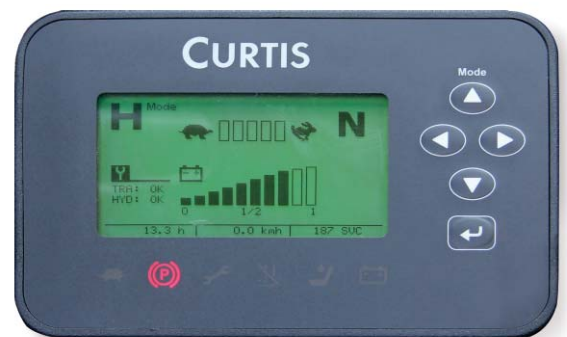


All-Around Dual Front Wheel Drive

All-around Dual AC front wheel drive motors for the N series provide powerful travel and excellent turning performance even in the most undesirable floor conditions. Stability of the truck is further enhanced through a low mounted battery keeping the truck center of gravity lower to the ground.

Curtis Intelligent Computer Control System

Advanced Curtis electronic controller regulates or monitors all required forklift functions in all situations and settings to assure the AC motor's best efficiency and performance . The Curtis easy Self-Diagnostics and Intelligent Monitoring System (IMS) display indicators is thoroughly tested to assure the highest standard of reliability of the forklift during its operation.



Excellent Safety and Reliability

The N series is equipped with the wet disc brake which improves brake control in all application situations . Unlike conventional drum and shoe braking systems that require periodic checks and maintenance the total cost of ownership is also reduced .

Emergency power cut-off located at the right hand side near the control levers to ensure prompt emergency stop of the forklift under dangerous circumstance . Operator Presence Sensing System ensures that truck is operated only when the operator is seated to avoid incidents caused by unauthorized person . Parking Brake Warning ensures the parking brake is applied whenever the operator leave the forklift .

Operator restraint system with retractable seat belt for safe operation .



Easy Service and Maintenance Access

The N series offer agas–spring–assisted battery hood to make battery checks and maintenance easier to perform . Downtime is further reduced through the use of its Curtis on–board self–diagnostic system that makes trouble shooting and repairs quick and simple . The controller is housed within a compartment designed to prevent the entry of dust , water and other possible contaminants , yet the cover can be removed for easy and quick service and maintenance.



Great comfort and ergonomic design for easy and comfortable operation

The N series is designed with full consideration of the comfort and ergonomic of the operator to ensure the best efficiency and productivity is delivered with easy and comfortable operation . All lights are LED to ensure the best view in dark areas . Small diameter steering wheel with spinner knob and on-demand Fully Hydrostatic Power Steering (FHPS) ensures effortless steering of the forklift during operation . Spacious step area with anti-slip design and a large hand grip for easy entry and exit . Comfort Package including Rear Crab Bar with horn + Left & Right Rearview Mirrors +USB Connector+Deluxe Grab Bar+Deluxe Full Suspension Seat.

Smart Open Side Battery Access Door

The N Series provides for several ways to easily remove or exchange the truck battery facilitating continuous multi-shift operations with its easy open side battery access door, so you can either replace the battery from side or hang from the top as most of the forklifts.



Distinguishing mark

1.2	Manufacturer's type designation		FE3D35N	FE3D38N	FE3D44N
1.3	Drive :electric(battery or mains),diesel,petrol gas ,manual)		electric	electric	electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	seated	seated
1.5	Load capacity/rated load	Q(lbs)	3500	3960	4400
1.6	Load centre distance	C(in)	19.7	19.7	19.7
1.8	Load distance,centre of drive axle to fork	x(in)	14.6	14.8	14.8
1.9	wheelbase	y(in)	53.5	53.5	58.7

Weight

2.1	Service weight incl. battery(see line 6.5)	lbs	6820	7172	7524
2.2	Axle loading ,laden front/rear	lbs	945.9/112.6	1024.8/114.9	1099.1/121.6
2.3	Axle loading,unladen front/rear	lbs	335.6/362.6	362.6/371.6	376.1/394.1

Tires, chassis

3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		superelastic	superelastic	superelastic
3.2	Tire size,front		18×7-8	18×7-8	200/50-10
3.3	Tire size,rear		15X4½-8	15X4½-8	15X4½-8
3.5	Wheels,number front/rear(×=driven wheels)		2×/2	2×/2	2×/2
3.6	Track width,front	b10(in)	37.8	37.8	38.7
3.7	Track width,rear	b11(in)	7.1	7.1	7.1

Dimensions

4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$	5/7	5/7	5/7
4.2	lowered mast height	h1(in)	79.1	79.1	79.1
4.3	Free lift	h2(in)	4.9	4.9	4.9
4.4	Lift height	h3(in)	118.1	118.1	123.2
4.5	Extended mast height	h4(in)	156.7	156.7	156.7
4.7	Overhead load guard height	h6(in)	81.7	81.7	81.7
4.8	Seat height	h7(in)	40.6	40.6	40.6
4.12	Coupling height	h10(in)	18.3	18.3	18.3
4.19	Overall length	l1(in)	112	118.1	123.2
4.20	Length to face of forks	l2(in)	75.8	75.9	81.1
4.21	Overall width	b1(in)	44.7	44.7	44.7
4.22	Fork dimensions	s/e/l(in)	1.4/3.9/42.1	1.6/4.7/42.1	1.6/4.7/42.1
4.24	Fork carriage width	b3(in)	40.9	40.9	40.9
4.31	Ground clearance ,laden,under mast	m1(in)	4.8	4.8	4.8
4.32	Ground clearance,centre of wheelbase	m2(in)	4.1	4.1	4.1
4.33	Aisle width for pallets 1000×1200 crossways	Ast(in)	122.9	123.1	128.2
4.34	Aisle width for pallets 800×1200 lengthways	Ast(in)	130.1	131	132.2
4.35	Turning radius	Wa(in)	61	61	66.1

Performance

5.1	Travel speed,laden/unladen	miine/h	8.7/9.3	8.7/9.3	8.1/9.3
5.2	Lift speed,laden/unladen	fpm	6.3/8.3	6.3/8.3	6.3/8.3
5.3	lowering speed,laden/unladen	fpm	<11.8	<11.8	<11.8
5.5	Drawbar pull ,laden/unladen S2 60 min	blf	2925	3150	3600
5.6	Max.drawbar pull ,laden/unladen S2 5 min	blf	—	—	—
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	15/20	15/20	13/18
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic

Electric-engine

6.1	Drive motor rating S2 60 min	hp	6.03*2	6.03*2	6.03*2
6.2	Lift motor rating at S3 15%	hp	11.5	11.5	11.5
6.3	Battery standard		BS	BS	BS
6.4	Battery voltage,nominal capacity K5	V/Ah	48/455 48/490(optional) 48/560(optional)	48/455 48/490(optional) 48/560(optional)	48/560 48/630(optional)
6.5	Battery weight	lbs	1760	1760	2090
6.6	Battery dimensions l/w/h	in	38.6/21.2/26.4	38.6/21.2/26.4	38.6/26.3/26.4

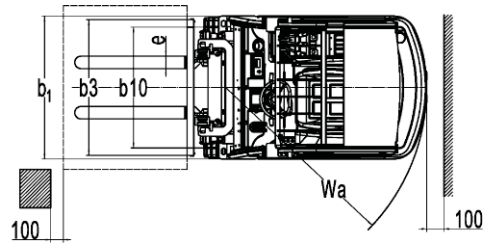
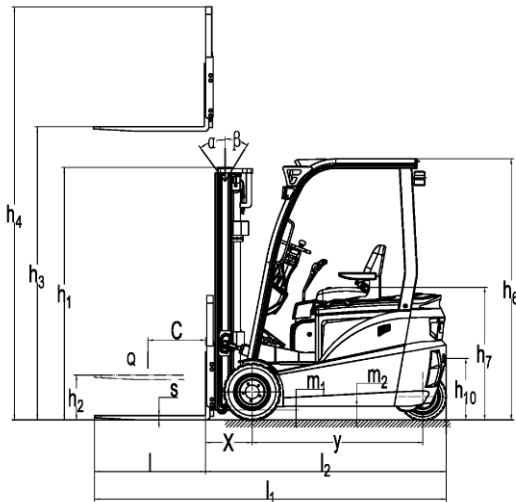
Additional data

8.1	Type of drive control		AC	AC	AC
8.2	Operating pressure for attachments	psl	2537.5	2537.5	2537.5
8.3	Oil volume for attachments	gmp	570.6	570.6	570.6
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	73	73	73

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NOBLELIFT EQUIPMENT

Mast table FE3D35-44N								
Designation	Lift height h3 (in)	Free lift height h2 (in)	Closed mast height h1 (in)	Extended mast height h4 (in)	Tilt forward/backward $\alpha/\beta(^{\circ})$	Capacity table(kg) C=20 in without sideshift single solid tyres		
						FE3D35N	FE3D38N	FE3D44N
Two-stage ZT	98	5	69	137	5/7	3520	3960	4400
	106	5	73	145	5/7	3520	3960	4400
	118	5	79	157	5/7	3520	3960	4400
	130	5	85	169	5/7	3520	3960	4400
	138	5	89	176	5/7	3520	3960	4400
	146	5	93	184	5/7	3520	3960	4400
	157	5	101	196	3/5	3300	3850	4180
	169	5	107	208	3/5	3190	3630	3960
	177	5	111	216	3/5	3080	3190	3520
197	5	121	235	3/5	2200	2420	3080	
Two-stage ZZ	98	31	69	137	5/7	3520	3960	4400
	106	35	73	145	5/7	3520	3960	4400
	118	41	79	156	5/7	3520	3960	4400
	130	47	85	168	5/7	3520	3960	4400
	138	51	89	176	5/7	3520	3960	4400
	146	55	93	184	5/7	3520	3960	4400
	157	63	101	196	3/5	3300	3850	4180
	169	69	107	208	3/5	3190	3630	3960
	177	73	111	216	3/5	3080	3190	3520
197	83	121	235	3/5	2200	2420	3080	
Three-stage DZ	157	39	77	196	3/5	3300	3850	4180
	171	44	82	210	3/5	3190	3520	3740
	177	46	84	216	3/5	3080	3190	3520
	189	50	88	228	3/5	2640	2860	3080
	197	54	92	235	3/5	2310	2420	2860
	217	60	98	255	3/5	1760	1980	2200
236	67	105	258	3/5	1320	1430	1540	



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