

**NOBLELIFT**

Material Handling

**AC**

**5000-7000lbs**

# FE4P N Series



4-wheel Electric N SERIES FORKLIFT





## Graceful arc design



Excellent ergonomic design



LED Energy-saving



Excellent visibility



Rear Grab Bar with horn function



Hydraulic operating handle on the right side



Foot-type parking brake system



Big LED display





# Green campaign

## To protect the environment



Easy Maintenance



Robust Design



Powerful Battery



Ergonomic Design



High Performance



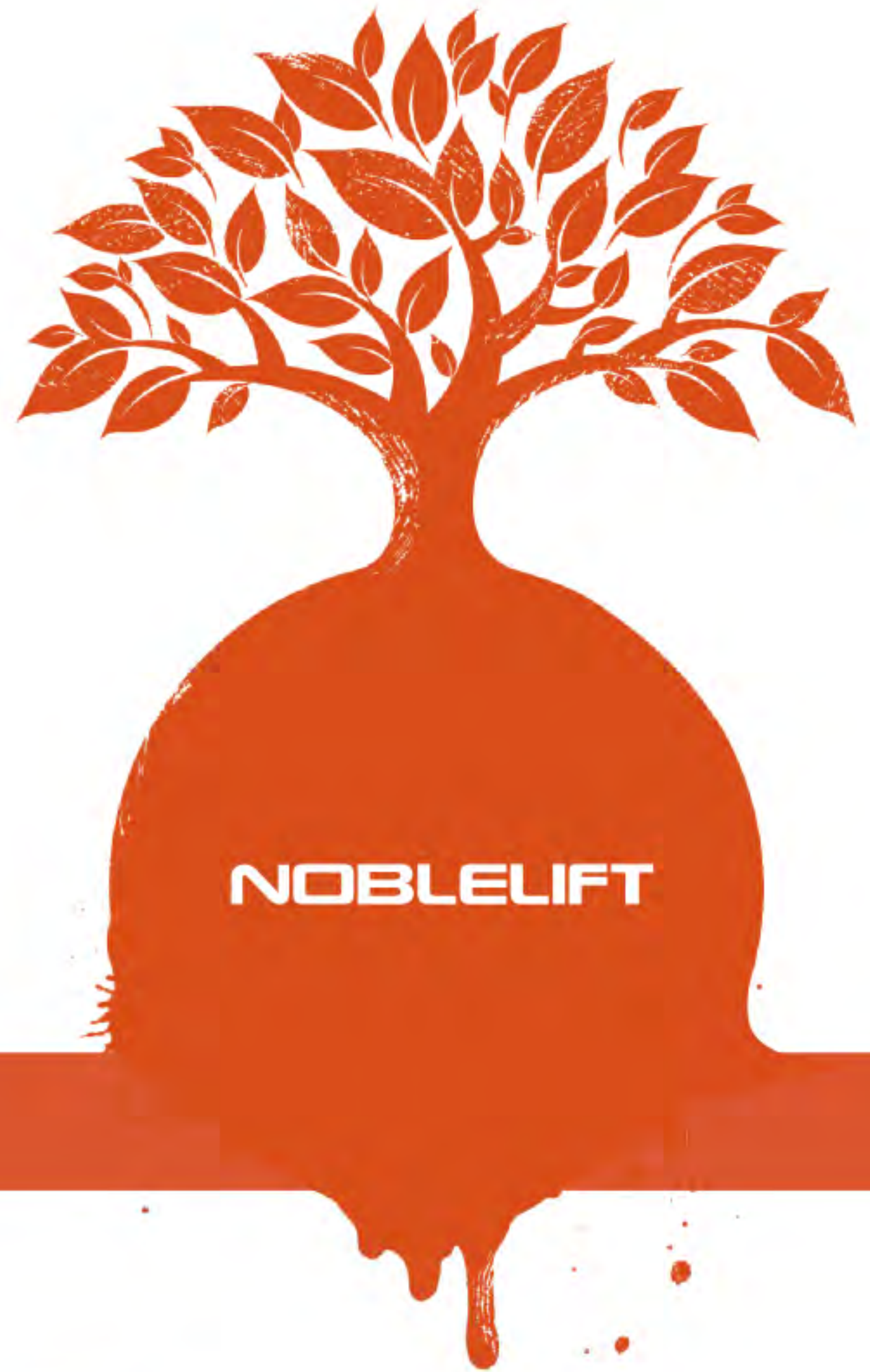
Low Noise



Capacity  
4000-7000lbs

## ■ Easy maintenance and high stability

- A+B.** The fully-openable top seat cover and the side-openable construction makes battery-maintenance easier and faster for regular maintenance. For multi-shift operations, the battery can be easily replaced from the side by a manual pallet truck or electric pallet truck easily and safely, no crane, forklift or other special tools required for battery replacement. (Optional)
- C.** The fully sealed cover for the controller at the rear counterweight part ensures high protection of the controller and other electric components against the dust and water, and the openable cover is easy and fast for maintenance.
- D.** Equipped with big LED display with error code and false operation warning can easily monitor the running condition of the forklift.
- E.** Drive motor is arranged paralleled as international leaders do, the battery is located at the bottom of the chassis of the forklift which gives great stability with low gravity center.



## Distinguishing mark

1.2	Manufacturer's type designation		FE4P50N	FE4P60N	FE4P70N
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)	5000	6000	7000
1.6	Load centre distance	c(in)	24	24	24
1.8	Load distance, centre of drive axle to fork	x(in)	17.8	18.4	18.4
1.9	wheelbase	y(in)	59.1	65	65

## Weight

2.1	Service weight incl. battery (see line 6.5)	lbs	9372	10758	11594
2.2	Axle loading, laden front/rear	lbs	13244/1650	15554/1804	17050/2244
2.3	Axle loading, unladen front/rear	lbs	4268/5104	4862/5896	4818/6776

## Tires, chassis

3.1	Type: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Superelastic
3.2	Tyres size, front		23×9-1018PR	23×9-1018PR	23×1012
3.3	Tyres size, rear		18×7-8-14PR	18×7-8-14PR	18×7-8
3.5	Wheels, number front/rear (*=driven wheels)		2×/2	2×/2	2×/2
3.6	Track width, front	b <sub>10</sub> (in)	40.9	40.9	41.7
3.7	Track width, rear	b <sub>11</sub> (in)	37.4	37.8	37.8

## Dimensions

4.1	Mast/fork carriage tilt forward/backward	α/β(°)	6/10	6/10	6/10
4.2	lowered mast height	h <sub>1</sub> (in)	80.5	80.5	80.5
4.3	Free lift	h <sub>2</sub> (in)	4.7	4.9	4.9
4.4	Lift height	h <sub>3</sub> (in)	118.1	118.1	118.1
4.5	Extended mast height	h <sub>4</sub> (in)	156.6	156.6	156.6
4.7	Overhead load guard height	h <sub>6</sub> (in)	86.2	86.2	86.2
4.8	Seat height/standing height	h <sub>7</sub> (in)	41.7	43.7	43.7
4.12	Coupling height	h <sub>10</sub> (in)	11.6	11.6	11.6
4.19	Overall length	l <sub>1</sub> (in)	133.8	141.9	143.5
4.20	Length to face of forks	l <sub>2</sub> (in)	91.7	99.8	101.4
4.21	Overall width	b <sub>1</sub> (in)	49.6	49.6	50.8
4.22	Fork dimensions	s/e/l(in)	6/4.7/42.1	1.8/4.9/42.1	2/4.9/42.1
4.24	Fork carriage width	b <sub>3</sub> (in)	40.9	43.3	43.3
4.31	Ground clearance, laden, under mast	m <sub>1</sub> (in)	4.3	4.3	4.3
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (in)	4.7	4.7	4.7
4.33	Aisle width for pallets 1000×1200 crossways	Ast(in)	146.4	153.5	156.2
4.34	Aisle width for pallets 800×1200 lengthways	Ast(in)	154.3	161.3	164.1
4.35	Turning radius	Wa(in)	80.7	87.8	90.6

## Performance

5.1	Travel speed, laden/unladen	mph	8.06/8.68	8.06/8.68	7.44/8.06
5.2	Lift speed, laden/unladen	fpm	5.9/7.7	6.1/7.9	5.9/7.7
5.3	lowering speed, laden/unladen	fpm	<11.8	<11.8	<11.8
5.5	Drawbar pull, laden/unladen S <sub>2</sub> 60 min	blf	742.5/517.5	787.5/562.5	855/630
5.7	Max. Gradient performance, laden/unladen S <sub>2</sub> 5 min	%	13/14	13/15	13/15
5.10	Service brake		hydraulic	hydraulic	hydraulic

## Electric engine

6.1	Drive motor rating S <sub>2</sub> 60 min	hp	14.7	20.1	20.1
6.2	Lift motor rating at S <sub>3</sub> 15%	hp	11.5	13.4	13.4
6.3	Battery standard		BS	DIN	DIN
6.4	Battery voltage, nominal capacity K <sub>5</sub>	V/Ah	48/600 (48/630/700/770)	80/500 80/560(option)	80/500 80/560(option)
6.5	Battery weight	lbs	2083	2970	2970
6.5	Battery dimensions l/w/h	in	38.6/21.2/29.9	40/27.1/30	40/27.1/30

## Additional data

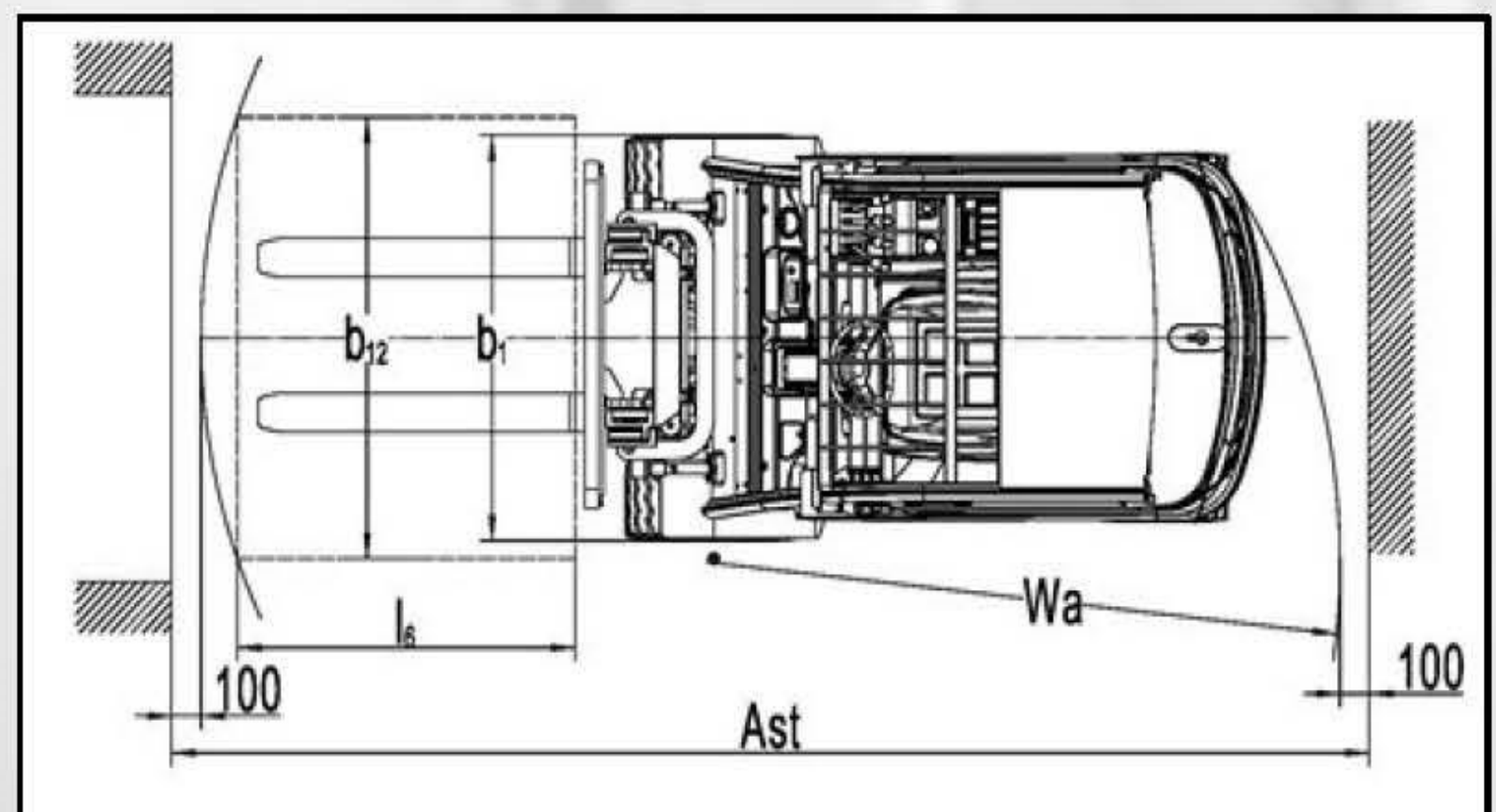
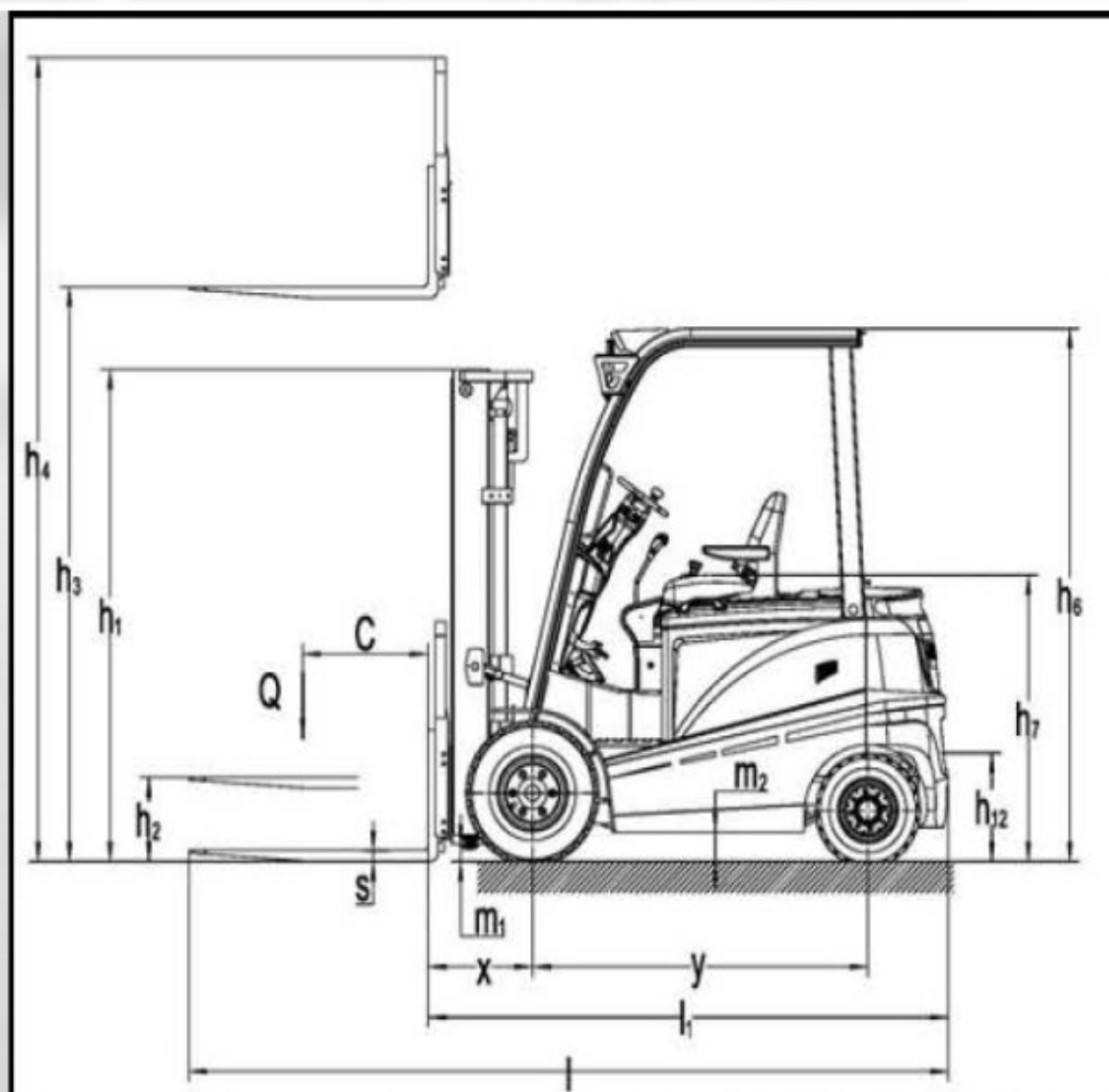
8.1	Type of drive control		AC	AC	AC
8.2	Operating pressure for attachments	psi	2537.5	2537.5	2537.5
8.3	Oil volume for attachments	gmp	570.6	570.6	570.6
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	73	74	75

# NOBLELIFT

Mast Table

Designation	Lift height h3(in)	Free Lift height h2(in)	Closed mast height h1(in)	Extended mast height h4(in)	Extended mast height $\alpha/\beta(^{\circ})$	Capacity table(lbs) C=24in without sideshift single pneumatic tires		
						FE4P50N	FE4P60N	FE4P70N
Two-stage ZT	78.7	4.7	60.8	117.2	6/10	5000	6000	7000
	98.4	4.7	70.7	127.0	6/10	5000	6000	7000
	118.1	4.7	80.5	156.6	6/10	5000	6000	7000
	129.9	4.7	86.4	168.4	6/10	5000	6000	7000
	137.8	4.7	90.4	176.3	6/10	5000	6000	7000
	141.7	4.7	92.3	180.2	6/10	5000	6000	7000
	145.7	4.7	94.3	184.1	6/6	5000	6090	6750
	157.5	4.7	102.2	199.9	6/6	5000	5870	6200
	169.3	4.7	108.1	211.7	6/6	4230	5540	6760
	177.2	4.7	112.0	219.6	6/6	4000	5100	5320
	196.9	4.7	123.8	239.3	6/6	3127	4220	4440
	216.5	4.7	133.7	262.9	3/6	2245	N/A	N/A
	236.2	4.7	143.5	282.6	3/6	1363	N/A	N/A
	78.7	22.0	60.8	117.0	6/10	5000	6000	7000
Two-stage ZZ	98.4	31.8	70.7	136.7	6/10	5000	6000	7000
	118.1	41.7	80.5	156.3	6/10	5000	6000	7000
	129.9	47.6	86.4	168.1	6/10	5000	6000	7000
	137.8	51.5	90.4	176.0	6/10	5000	6000	7000
	141.7	53.5	92.3	180.0	6/10	5000	6000	7000
	145.7	55.4	94.3	183.9	6/6	5000	6090	6750
	157.5	63.3	102.2	195.7	6/6	5000	5870	6200
	169.3	69.2	108.1	207.5	6/6	4230	5540	6760
	177.2	73.1	112.0	215.4	6/6	4000	5100	5320
	196.9	85.0	123.8	235.1	6/6	3127	4220	4440
	216.5	94.8	133.7	254.8	3/6	2245	N/A	N/A
	236.2	104.6	143.5	274.4	3/6	1363	N/A	N/A
	157.5	38.7	77.6	196.1	6/6	4700	5650	6640
	169.3	43.6	82.5	209.9	6/6	4400	5320	6200
177.2	45.6	84.4	215.7	6/6	4100	4880	6200	
Three-stage DZ	189.0	49.5	88.4	227.5	6/6	3800	4440	5100
	196.9	55.2	94.0	235.4	6/6	3400	4000	4880
	216.5	64.4	103.2	255.1	3/6	2800	2990	3490
	236.2	73.5	112.4	274.8	3/6	1900	2390	2490
	256.2	82.8	121.6	294.4	3/6	1100	N/A	N/A

Free Lift height (No Back-rest) +16.7in





**ADVANTAGE :**

- Compact and Elegant Design
- Excellent Visibility
- Ergonomics Details
- High Stability
- Easy Maintenance
- Reliability and Safety
- Comfortable Operation
- Environmental-friendly
- High Efficiency and Low-Energy Consumption

**Reliability and Safety**

Motor controllers, contactors, power switch, emergency switch, display, accelerators and other key electrical components adopt international famous brand. Advanced AC high frequency integrated MOSFET controller and CAN-bus technology. High frequency MOSFET integrated controller ensures smooth and accurate driving and lifting, excellent acceleration, motor and controller performance matching delivers safety and reliability such as regenerative braking and reverse connection as well ramp anti-slipping. Operation sequence protection and electronic self-protection function, Emergency power off switch as standard configuration, meets the European safety norms.

**High Efficiency and Energy-saving**

Different speed mode to choose for different applications under different environments. Standard DC converter is balanced using batteries, extending battery life or with optional Lithium battery. High efficiency AC power system, complete protection, comes with speed sensor, temperature sensor, greatly improves reliability and life expectancy. Special tire patterns for electric forklifts, energy-saving more than 10% for driving (Optional)

**Low noise and environmental-friendly**

Cushioning devices added to motor, batteries and other locations, as well as the optimization of vehicle body frame structure, reducing the vibration of the truck; Low-noise pump together with load sensing steering gear, makes the truck noise extremely low. Descending speed will automatically slow down before the fork lowered to the minimum height, so it substantially reduces the impact noise. Rear axle using the flexible shock absorption system, effective filtrating the ground clutters, makes the driver much comfortable.

**We promise, We deliver**



**NOBLELIFT**



Official website



Our Wechat

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