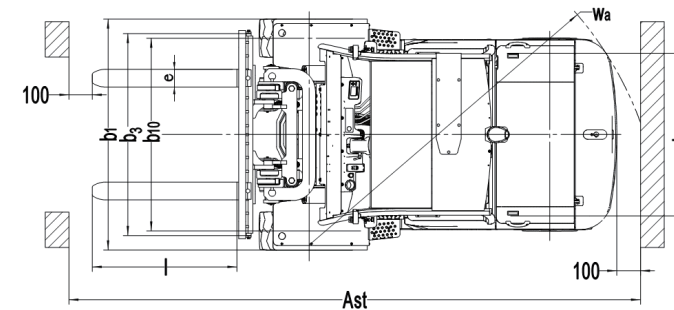
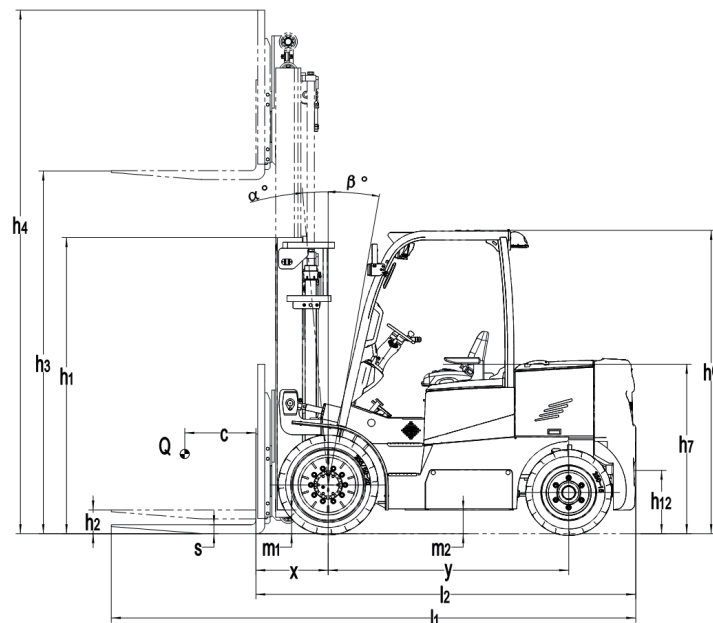


FE4P60-80N Battery Balance Weight Type Forklift				
<b>Identification</b>				
1.1	Manufacture(abbreviation)		NOBLELIFT	
1.2	Manufacturer's type designation		FE4P60N	FE4P70N FE4P80N
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		electric	
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	
1.5	Load capacity/rated load	Q lb(kg)	13200(6000)	15400(7000) 17600(8000)
1.6	Load centre distance	C in(mm)	24(600)	
1.8	Load distance,centre of drive axle to fork	X in(mm)	23.4(595)	23.6(600) 24(610)
1.9	wheelbase	y in(mm)	79.9(2030)	79.9(2030) 79.9(2030)
<b>Weights</b>				
2.1	Service weight incl. battery(see line 6.5)		kg lb(kg)	lead-acid:21120(9600) Lion:19646 (8930) lead-acid:22660(10300) Lion:20680(9400) lead-acid:26180(11900) Lion:24640(11200)
2.2	Axle loading ,laden front/rear		kg lb(kg)	lead-acid:29920(4400) Lion:29018(3828 (13190/1740) ) lead-acid:33440(4650) Lion:32010(4070 (14550/1850) ) lead-acid:39006(4774(1730/2170) Lion:37928(4312(17240/1960) )
2.3	Axle loading,unladen front/rear		kg lb(kg)	lead-acid:8800(12320 (4000/6300) Lion:8030(11616 (3650/5280) ) lead-acid:8800(13860 (4000/6000) Lion:7480(13200 (3400/6000) ) lead-acid:10560(15620 (74800/7100) Lion:9504(15136 (4320/6880) )
<b>Wheels, Chassis</b>				
3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		solid rubber	
3.2	Tyres size,front		355/65-15	
3.3	Tyres size,rear		250-15	
3.5	Wheels,number front/rear(×=driven wheels)		2×/2	
3.6	Track width,front	b10 in(mm)	62 (1574)	62 (1574) 63.9 (1623)
3.7	Track width,rear	b11 in(mm)	53.9 (1370)	53.9 (1370) 54 (1370)
<b>Basic Dimensions</b>				
4.1	Mast/fork carriage tilt forward/backward		α/β(°) 5/10 5/10 5/10	
4.2	lowered mast height		h1 in(mm) 98.4(2500) 98.4(2500) 98.4(2500)	
4.3	Free lift		h2 in(mm) 7.3(185) 7.5(190) 7.9(200)	
4.4	Lift height		h3 in(mm) 118.1(3000) 118.1(3000) 118.1(3000)	
4.5	Extended mast height		h4 in(mm) 174(4420) 174(4420) 174(4420)	
4.7	Overhead load guardheight		h6 in(mm) 100.8(2560) 100.8(2560) 100.8(2560)	
4.8	Seat height/standing height		h7 in(mm) 56.3(1430) 56.3(1430) 56.3(1430)	
4.12	Coupling height		h10 in(mm) 21.1(535) 21.1(535) 21.1(535)	
4.19	Overall length		l1 in(mm) 173.5(4407) 173.7(4412) 174.3(4427)	
4.20	Length to face of forks		l2 in(mm) 125.5(3187) 125.7(3192) 126.3(3207)	
4.21	Overall width		b1 in(mm) 73.6(1870) 73.6(1870) 76.6(1945)	
4.22	Fork dimensions		s/e/l in(mm) 2.4/5.9/48(60/150/1220) 2.6/5.9/48(65/150/1220) 3.0/5.9/48(75/150/1220)	
4.24	Fork carriage width		b3 in(mm) 66.9 (1700) 66.9 (1700) 66.9 (1700)	
4.31	Ground clearance ,laden,under mast		m1 in(mm) 7.9(200) 7.9(200) 7.9(200)	
4.32	Ground clearance,centre of wheelbase		m2 in(mm) 7.8(198) 7.8(198) 7.8(198)	
4.33	Aisle width for pallets 1000×1200 crossways		Ast in(mm) 187.8(4770) 188.6(4790) 188.6(4790)	
4.34	Aisle width for pallets 800×1200 lengthways		Ast in(mm) 195.7(4970) 195.9(4975) 196.5(4990)	
4.35	Turning radius		Wa in(mm) 117.3(2980) 117.3(2980) 117.3(2980)	
<b>Performance Data</b>				
5.1	Travel speed,laden/unladen		mph(km/h) 9.3/9.6(15/15.5) 9.3/9.6(15/15.5) 9.0/9.6(14.5/15.5)	
5.2	Lift speed,laden/unladen		fpm(mm/s) 66.9/76.7(340/390) 62.9/76.7(320/390) 59.1/76.7(300/390)	
5.3	lowering speed,laden/unladen		fpm(mm/s) 78.7/84.6(400/430) 76.7/84.6(390/430) 74.8/84.6(380/430)	
5.5	Drawbar pull,laden/unladen S2 60 min		lbf(N) 8100 (36000) 8100 (36000) 8100 (36000)	
5.7	Max.Gradient performance,laden/unladen S2 5 min		% 15 15 14	
5.10	Service brake		Hydraulic Hydraulic Hydraulic	
<b>E-Motor</b>				
6.1	Drive motor rating S2 60 min		hp(kW) 46.9(35) 46.9(35) 46.9(35)	
6.2	Lift motor rating at S3 15%		hp(kW) 53.6(40) 53.6(40) 53.6(40)	
6.3	Battery standard		lead-acid/Lion lead-acid/Lion lead-acid/Lion	
6.4	Battery voltage,nominal capacity K5		V/Ah lead-acid:96720(810/945 Optional) Lion:96554(618/840/912 Optional) lead-acid:96810(945 Optional) Lion:96554(618/840/912 Optional) lead-acid:96945(1035 Optional) Lion:96554(618/840/912 Optional)	
6.5	Battery weight		lb(kg) lead-acid:5082(2310) Lion:1210 (550) lead-acid:5522(2510) Lion:1210 (550) lead-acid:6204(2820) Lion:1210 (550)	
	Battery dimensions l/w/h		in(mm) 55.9/24.0/22.4(1420/610/570) 55.9/24.0/22.4(1420/610/570) 55.9/24.0/22.4(1420/610/570)	
<b>Other Details</b>				
8.1	Type of drive control		AC AC AC	
8.2	Operating pressure for attachments		psi(bar) 3335 (230) 3335 (230) 3335 (230)	
8.3	Oil volume for attachments		gmp(l/min) 17.6(80) 17.6(80) 17.6(80)	
8.4	Sound level at driver's ear according to EN 12 053		dB(A) 74 74 75	

Mast Table FE4P60-80N								
Designion	Lift height	Free Lift	Closed mast height	Extended mast height	Tilt forward/backward	Capacity table(kg) C-C-24 (600) in/mm without sideshift, single pneumatic tyres		
	h3 (in/mm)	h2 (in/mm)	h1 (in/mm)	h4 (in/mm)	α / β(°)	FE4P60N	FE4P70N	FE4P80N
Two-stage ZT	98(2500)	7.9(200)	88.6(2250)	154.7(3930)	5/10	13200(6000)	15400(7000)	17600(8000)
	106(2700)	7.9(200)	92.5(2350)	162.6(4130)	5/10	13200(6000)	15400(7000)	17600(8000)
	118(3000)	7.9(200)	98.4(2500)	174.4(4430)	5/10	13200(6000)	15400(7000)	17600(8000)
	130(3300)	7.9(200)	104.3(2650)	186.2(4730)	5/10	13200(6000)	15400(7000)	17600(8000)
	142(3600)	7.9(200)	110.2(2800)	198.0(5030)	5/10	13200(6000)	15400(7000)	17600(8000)
	157(4000)	7.9(200)	120.1(3050)	213.8(5430)	5/10	13200(6000)	15400(7000)	17600(8000)
	169(4300)	7.9(200)	126.0(3200)	225.6(5730)	5/8	13200(6000)	15400(7000)	17600(8000)
	177(4500)	7.9(200)	129.9(3300)	233.5(5930)	5/8	13200(6000)	15400(7000)	17600(8000)
	189(4800)	7.9(200)	135.8(3450)	245.3(6230)	5/8	12760(5800)	14740(6700)	16940(7700)
	197(5000)	7.9(200)	139.8(3550)	253.1(6430)	5/8	12540(5700)	14300(6500)	16500(7500)
217(5500)	7.9(200)	151.6(3850)	272.8(6930)	5/8	11880(5400)	13640(6200)	15840(7200)	
236(6000)	7.9(200)	161.4(4100)	292.5(7430)	5/8	11000(5000)	12980(5900)	15180(6900)	
Three-stage DZ	157(4000)	43.0(1093)	94.3(2395)	213.8(5430)	5/8	12760(5800)	14990(6800)	16940(7700)
	171(4350)	48.0(1218)	99.2(2520)	227.6(5780)	5/8	12650(5750)	14880(6750)	16830(7650)
	177(4500)	49.9(1268)	101.2(2570)	233.5(5930)	5/8	12540(5700)	14770(6700)	16720(7600)
	189(4800)	53.9(1368)	105.1(2670)	245.3(6230)	5/8	12320(5600)	14550(6600)	16500(7500)
	197(5000)	57.8(1468)	109.1(2770)	253.1(6430)	5/8	12100(5500)	14080(6400)	16280(7400)
	217(5500)	64.1(1628)	115.4(2930)	272.8(6930)	5/8	11660(5300)	13640(6200)	15840(7200)
	236(6000)	74.6(1894)	125.8(3196)	292.5(7430)	5/8	11440(5200)	12760(5800)	14960(6800)

Free lifting height of the third level gantry (without shelves)+16.93

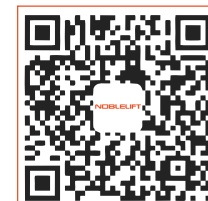


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Official website



Our Wechat

# NOBLELIFT



NEW Noblelift Products ARRIVAL

# N Series

Lead acid/Lithium battery counter-balanced forklift

6000/7000/8000kg  
 13200/15400/17600lbs







## Brief Introduction

Welcome to the future of heavy lifting with our brand new FE4P60-80 N Series, a remarkable addition to our independently developed large-tonnage counter-balanced forklifts. This innovation sets new standards in appearance, efficiency, comfort, safety, and reliability. With three versatile load capacity options of 6, 7, and 8 tons, it adapts to your unique needs.

Featuring a rugged, streamlined design, optimized structural engineering, reduced width, and lower self-weight, this forklift effortlessly maneuvers through narrow passages with remarkably low energy consumption. Tailored to excel in the most demanding industries, such as metallurgy, ports, container yards, automotive, and mold manufacturing, where environmental protection is paramount. It replaces traditional internal combustion forklifts, operating efficiently without noise and emissions, promoting a healthier and eco-friendly workspace.

## High Efficiency

- ▶ High-power driving motor elevates the 8-ton forklift's top speed to 15.5 km/h and enhances its full-load grade ability by 15%.
- ▶ Precision grinding in the driving axle gear and low-speed AC asynchronous motor minimize transmission system noise.
- ▶ With a high-power oil pump motor and low-noise screw pump, the lifting speed soars. The 8-ton forklift now raises full loads at 300 mm/s.
- ▶ A streamlined design with a short wheelbase 2030mm and reduced body width dramatically enhances maneuverability.
- ▶ Lightweight construction and independent steering motor electric control decrease energy consumption.
- ▶ Equipped with a steering sensor that adjusts motor speed based on the steering wheel's rotation, reducing energy consumption and motor noise.

## Highlights

- ▶ Small turning radius (2980mm) for exceptional maneuverability.
- ▶ Reversing image system eliminates blind spots below the balance weight.
- ▶ Speed limit function ensures safer turning with automatic deceleration.
- ▶ Convenient features include USB charging, folder, mobile phone bracket, and cup holder.
- ▶ Equipped with OPS descending solenoid valve, CE compliant.
- ▶ Enhanced operating space with ample headroom, even with a suspension seat.
- ▶ The 8-ton standard model easily fits into high cube container.
- ▶ A versatile 96V voltage platform with module design. A rational structural design for excellent sealing, waterproofing, and dustproofing.
- ▶ Compatible with both lead acid and lithium batteries, allowing for quick battery changes.
- ▶ The oil pump motor and controller is positioned on each side of the forklift, with tool-free side panels for easy maintenance and repairs.
- ▶ A split hydraulic oil tank for hassle-free maintenance and cleaning, along with a rotary hydraulic oil return filter for easy replacement.
- ▶ Customizable for container operations with lithium battery models, maintaining a compact height of 2230mm



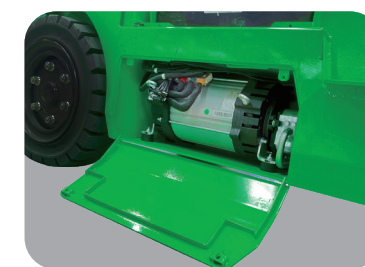
## Comfort

- ▶ Added secondary pedal and enlarged handle for easier on/off access.
- ▶ Multifunctional color screen instrument with integrated forklift networking capabilities and a user-friendly human-computer interaction interface.
- ▶ Humanized design includes an integrated storage box, USB charging, mobile phone bracket, cup holder, and more.
- ▶ The tilting cylinder design recesses beneath the bottom plate, leveling the foot platform, expanding longitudinal operation space, and headroom in the overhead guard, ensuring a more comfortable forklift operation.



## Safety

- ▶ Standard AI intelligent imaging system minimizes blind spots.
- ▶ Turning deceleration function reduces rollover risk.
- ▶ Equipped with OPS system in line with safety regulations.
- ▶ Wide-angle rearview mirrors ensure a safer driving experience.
- ▶ Mast soft landing minimizes impact during loading.
- ▶ Features LED working lights, signal lights, and acousto-optic alarm lights.



## Effortless Maintenance

- ▶ Standard AI intelligent imaging system minimizes blind spots.
- ▶ Turning deceleration function reduces rollover risk.
- ▶ Equipped with OPS system in line with safety regulations.
- ▶ Wide-angle rearview mirrors ensure a safer driving experience.
- ▶ Mast soft landing minimizes impact during loading.
- ▶ Features LED working lights, signal lights, and acousto-optic alarm lights.



## Lithium-ion Smart Cloud Platform

- ▶ Constantly monitors the battery's operational status throughout its usage to ensure the safety of personnel and equipment.

