

NOBLELIFT

Material Handling



FE4P60Q/70Q

Four wheel Li-iron Electric Forklift

NEW / *Noblelift Products*
ARRIVAL



Excellent ergonomic design



Li-iron



Easy maintenance



Robust design



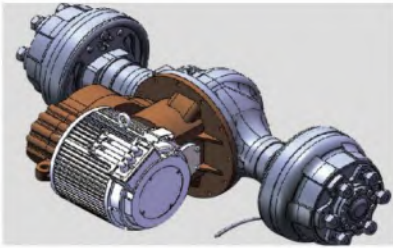
Capacity:
6000-7000lbs



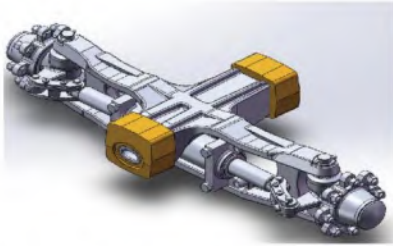
High performance

Liftway
"MATERIAL HANDLING SOLUTIONS"

479 Brant County Road 18, BRANTFORD, ON, N3S 0H4
TEL: 1-800-543-8929 - <https://www.liftway.ca>



Drive system uses a horizontal fan-shaped drive axle arranged in parallel with a large transmission ratio. The battery is located at the bottom of chassis, the truck has good stability. Drive motor uses AC maintenance-free motor. Long wheelbase(1700mm)design, better stability.



Integrally forged Integrated steering axle, with shock mitigation system with excellent driving comfort and prolongs the service life.

Ergonomically designed LED display with large screen and great visibility for easy control and operation with all around truck status information.



U design of steering wheel, front-located multi-way valve operating device makes the operation effortless and comfortable.



The simple and convenient removable side panel design allows the battery can be side extracted as standard feature for efficient and easy battery replacement. Electronic controller: located on side bottom part for good heat dissipation ,easy maintenance and installation. Large front and rear tire design, works both for outdoor off-road and indoor road surface with good driving comfort.



The truck adopts long tiller ratchet parking brake design for easy operation.



Simplified structure design by eliminating unnecessary decorative structures with same strength , make the truck look more attractive and tough.



Wide view through the optimized mast and hydraulic design, the forks with intelligent buffer, protect the ground and goods from damage from hitting the ground.



Combination switch as automotive, the seat can be adjusted back and forth so that the operator can choose the ideal driving position.



FE4P60Q/70Q

- The FE4P60/70Q is a cost-effective electric forklift with combination of the traditional Internal Combustion forklift and lithium-iron powered electric forklift, it has the characteristics of large driving space and comfortable operation. The standard configuration is lithium iron phosphate (LFP) battery with efficient fast charging. Optional different battery capacities: the standard configuration is 80V/300Ah and Optional 80V/400Ah.
- Standard full AC control system and optional fleet management system. Standard REMA/Anderson connection for charging, optional automotive type intelligent plug-in high frequency charging technology.
- The truck adopt similar design of the Internal Combustion forklift with spacious operation space and comfort. The mast system, front and rear axles as well as the durability of chassis is similar to traditional Internal Combustion forklift. The truck combined the durability of Internal Combustion forklift with layout advantage of Li-iron electric forklift, so that the truck's weight is light and and gravity center is optimized, therefore the overall energy consumption is effectively improved.



Q Series Forklift Lithium battery option (LFP)

Model	Standard	Optional
FE4P60Q	300Ah	400Ah
FE4P70Q	300Ah	400Ah



All lithium-iron batteries are equipped built-in battery management system(BMS) that manages all important data during charging and discharging. The management of the battery by BMS can ensure the safety of the battery throughout its life cycle. **Lithium-iron batteries have been certified for safe transportation by air and sea and operating standards.** BMS communicates with the truck management system through CAN. CAN protocol CAN monitor the battery and diagnose and repair the battery through specific software.



Battery replacement: side extraction, quick and convenient replacement, easy maintenance. Fast charging with battery fully charged in 2-3 hours. The intelligent high frequency charger with automobile charging technology has a working efficiency of more than 95%, which is much higher than the 80% working efficiency of traditional low frequency charger.



Standard: automotive type intelligent plug-in charging gun with high frequency charging technology.
Note: press the "stop" button of the charger before pulling the gun.

Mast Table FE4P60Q						
Designion	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 $\alpha/\beta(^{\circ})$	Capacity table(lbs) C=24in without sideshift, single pneumatic tyres FE4P60Q
Two-stage ZT	79	5.3	61.8	122.6	6/10	6000
	78	5.3	71.7	142.3	6/10	6000
	118	5.3	81.5	162.0	6/10	6000
	130	5.3	87.4	173.8	6/10	6000
	138	5.3	91.3	181.7	6/10	6000
	142	5.3	93.3	185.6	6/10	6000
	146	5.3	95.3	189.5	6/10	6000
	157	5.3	103.1	201.3	6/6	5900
	169	5.3	109.1	213.1	6/6	5700
	177	5.3	113.0	221.0	6/6	5200
	197	5.3	122.8	240.7	6/6	4800
Two-stage ZZ	79	22.2	60.8	117.0	6/10	6000
	98	32.0	70.7	136.7	6/10	6000
	118	41.9	80.5	156.3	6/10	6000
	130	47.8	86.4	168.1	6/10	6000
	138	51.7	90.4	176.0	6/10	6000
	142	53.7	92.3	180.0	6/10	6000
	146	55.6	94.3	183.9	6/6	6000
	157	63.5	102.2	195.7	6/6	5900
Three-stage DZ	157	38.9	77.6	196.1	6/6	5800
	169	43.8	82.5	209.9	6/6	5500
	177	45.8	84.4	215.7	6/6	5200
	189	49.7	88.4	227.5	6/6	4800
	197	55.4	94.0	235.4	6/6	4600
	217	64.6	103.2	255.1	3/6	3700
	236	73.7	112.4	274.8	3/6	2800
	256	83.0	121.6	294.4	3/3	1800

Free lift height (no load-backrest) +16.7in

Mast Table FE4P70Q						
Designion	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 $\alpha/\beta(^{\circ})$	Capacity table(lbs) C=24in without sideshift, single pneumatic tyre FE4P70Q
Two-stage ZT	79	5.5	66.1	109.7	6/10	7000
	98	5.5	76.0	129.4	6/10	7000
	118	5.5	85.8	149.1	6/10	7000
	130	5.5	91.7	160.9	6/10	7000
	138	5.5	95.7	168.7	6/10	7000
	142	5.5	97.6	172.7	6/10	7000
	146	5.5	99.6	176.6	6/10	7000
	157	5.5	107.5	188.4	6/6	6900
	169	5.5	113.4	200.2	6/6	6500
	177	5.5	117.3	208.1	6/6	6200
	197	5.5	127.2	227.8	6/6	5300
Two-stage ZZ	79	19.3	61.8	117.0	6/10	7000
	98	29.2	71.7	136.7	6/10	7000
	118	39.0	81.5	156.3	6/10	7000
	130	44.9	87.4	168.1	6/10	7000
	138	48.9	91.3	176.0	6/10	7000
	142	50.8	93.3	180.0	6/10	7000
	146	52.8	95.3	183.9	6/6	6800
	157	60.7	103.1	195.7	6/6	6700
Three-stage DZ	157	36.1	77.6	196.1	6/6	6500
	169	41.0	82.5	209.9	6/6	6300
	177	43.0	84.4	215.7	6/6	6000
	189	46.9	88.4	227.5	6/6	5600
	197	52.5	94.0	235.4	6/6	5300
	217	61.7	103.2	255.1	3/6	4400
	236	70.9	112.4	274.8	3/6	3100
	256	80.1	121.6	294.4	3/3	1900

Free lift height (no load-backrest) +18.1in

FE4P60-70Q Electric Counterbalanced Forklift

Identification

1.1	Manufacture(abbreviation)			Noblelift	
1.2	Manufacturer's type designation		FE4P60Q		FE4P70Q
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(lbs)	6000		7000
1.6	Load centre distance	C (in)		24	
1.8	Load distance,centre of drive axle to fork	x (in)	19.2		19.4
1.9	wheelbase	y (in)		66.9	

Weights

2.1	Service weight incl. battery(see line 6.5)	lbs	9240		10340
2.2	Axle loading ,laden front/rear	lbs	14190/1650		16192/1848
2.3	Axle loading,unladen front/rear	lbs	4026/5214		4334/6006

Wheels、Chassis

3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		pneumatic		superelastic
3.2	Tyres size,front			28×9-15-14PR	
3.3	Tyres size,rear			6.50-10-10PR	
3.5	Wheels,number front/rear(×=driven wheels)			2×/2	
3.6	Track width,front	b ₁₀ (in)		39.5	
3.7	Track width,rear	b ₁₁ (in)		38.7	

Basic Dimensions

4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$		6/10	
4.2	lowered mast height	h ₁ (in)	81.5		86.0
4.3	Free lift	h ₂ (in)	5.3		5.5
4.4	Lift height	h ₃ (in)		118.1	
4.5	Extended mast height	h ₄ (in)		162.0	
4.7	Overhead load guardheight	h ₆ (in)		84.6	
4.8	Seat height/standing height	h ₇ (in)		44.5	
4.12	Coupling height	h ₁₀ (in)		22.8	
4.19	Overall length	l ₁ (in)		144.6	
4.20	Length to face of forks	l ₂ (in)		102.5	
4.21	Overall width	b ₁ (in)		48.3	
4.22	Fork dimensions	s/e/l (in)	1.8/4.9/42.1		2/4.9/42.1
4.24	Fork carriage width	b ₃ (in)		43.3	
4.31	Ground clearance ,laden,under mast	m ₁ (in)		5.3	
4.32	Ground clearance,centre of wheelbase	m ₂ (in)		5.9	
4.33	Aisle width for pallets 1000×1200 crossways	Δst (in)	158.9		159.1
4.34	Aisle width for pallets 800×1200 lengthways	Δst (in)	166.8		167.0
4.35	Turning radius	Wa (in)		92.5	

Performance Data

5.1	Travel speed,laden/unladen	miine/h	6.82/7.44		6.2/6.82
5.2	Lift speed,laden/unladen	fpm	05.1/6.7		4.9/6.5
5.3	lowering speed,laden/unladen	fpm		<11.8	
5.5	Drawbar pull ,laden/unladen S2 60 min	blf	787.5/562.5		855/630
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	13/15		13/15
5.10	Service brake			Hydraulic	

E-Motor

6.1	Drive motor rating S2 60 min	hp		14.7	
6.2	Lift motor rating at S3 15%	hp		21.4	
6.3	Battery standard			Lion	
6.4	Battery voltage,nominal capacity K5	V/Ah		80/ 300	
6.5	Battery weight	lbs		80/400 (option)	
	Battery dimensions l/w/h	in		550	
				38.6/23.6/19.1	

Other Details

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