

COUNTERBALANCE FORKLIFT

FE425-50Q
4-Wheel Electric Forklift

NOBLELIFT
Built for better.

OVERVIEW

BUILT FOR BETTER.

The FE4P25Q-50Q is the mid-range of Noblelift's Q series — a four-wheel lithium-iron forklift lifting 2,500–5,000kg that pairs the durability of an internal-combustion truck with the advantages of a lithium-ion drivetrain. Its mast, axles and chassis are built as tough as an IC forklift, yet the low-set lithium battery and long 1,700mm wheelbase keep it light, balanced and stable. A standard lithium iron phosphate battery brings fast, flexible charging, while spacious, ergonomic controls, a large-screen LED display and a raised lifting motor — able to work on wet floors — make it a comfortable, versatile performer indoors and out.



Key Features

1



AC maintenance-free drive

A full AC control system with a maintenance-free drive motor delivers smooth, powerful, reliable performance with minimal upkeep.

2



Stable by design

The lithium battery sits low in the chassis and a long 1,700mm wheelbase keeps weight balanced for high stability, laden or empty.

3



IC-grade durability, built for outdoors

Mast, axles and chassis as tough as an internal-combustion forklift, on big-diameter tyres for confident outdoor work.

4



Safer braking & ramp holding

A long-tiller ratchet parking brake holds securely on a 15% ramp for easy, worry-free parking.

5



Ergonomic controls

A U-shape steering wheel with knob, front-located multi-way valve, adjustable seat and a large-screen LED display make operation effortless and information easy to read.

6



Smooth, low-vibration ride

An integrally forged steering axle with shock mitigation and low-noise hydraulics keep the truck smooth and comfortable while extending its service life.

7



Works on wet floors

The lifting motor is mounted high in the truck, so it can keep working in areas where there's water on the ground.



INTELLIGENT SAFE AND RELIABLE.

FEATURE	
Intelligent fork buffer & wide-view mast	An optimised mast and hydraulic design give a clear view of the forks, which cushion softly onto the ground to protect floors and goods.
Automotive-style controls	An automotive-type combination switch puts key functions at the operator's fingertips.
Parallel drive axle	A horizontal fan-shaped drive axle with a large transmission ratio delivers efficient, stable power.
Simplified, easy-access structure	A simplified, strong structure with the controller mounted high for easy ventilation and maintenance.
Flexible charging	A standard REMA/Anderson connection, with an automotive-style intelligent plug-in fast-charging gun available.

Type sheet acc. to VDI 2198

Identification					
Manufacturer's type designation		FE4P25Q	FE4P25Q2	FE4P28Q	FE4P28Q2
Drive		electric	electric	electric	electric
Type of operation		seated	seated	seated	seated
Load capacity/rated load	Q(kg)	2500	2500	2800	2800
Load centre distance	c(mm)	500	500	500	500
Load distance, centre of drive axle to fork	x(mm)	478	478	483	483
Wheelbase	y(mm)	1620	1620	1700	1700
Weights					
Service weight incl. battery	kg	3600	3600	3860	3860
Axle loading, laden front/rear	kg	5500/600	5500/600	6010/650	6010/650
Axle loading, unladen front/rear	kg	1540/2060	1540/2060	1680/2180	1680/2180
Wheels Chassis					
Type:solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic
Tyres size, front		7.00-12-12PR	7.00-12-12PR	7.00-12-14PR	7.00-12-14PR
Tyres size, rear		6.00-9-10PR	6.00-9-10PR	6.00-9-12PR	6.00-9-12PR
Wheels, number front/rear(x=driven wheels)		2x/2	2x/2	2x/2	2x/2
Track width, front	b10(mm)	973	973	973	973
Track width, rear	b11(mm)	982	982	982	982
Dimensions					
Mast/fork carriage tilt forward/backward	α/β(°)	6/10	6/10	6/10	6/10
Lowered mast height	h1(mm)	2070	2070	2070	2070
Free lift	h2(mm)	135	135	140	140
Extended mast height	h3(mm)	3000	3000	3000	3000
Extended mast height	h4(mm)	3974	3974	4079	4079
Overhead load guardheight	h6(mm)	2150	2150	2150	2150
Seat height/standing height	h7(mm)	1130	1130	1130	1130
Coupling height	h10(mm)	580	580	580	580
Overall length	l1(mm)	3568	3568	3663	3663
Length to face of forks	l2(mm)	2498	2498	2593	2593
Overall width	b1(mm)	1150	1150	1150	1150
Fork dimensions	s/e/l(mm)	40/120/1070	40/120/1070	45/125/1070	45/125/1070
Fork carriage width	b3(mm)	1040	1040	1100	1100
Ground clearance, laden, under mast	m1(mm)	135	135	135	135
Ground clearance, centre of wheelbase	m2(mm)	150	150	150	150
Aisle width for pallets 1000×1200 crossways	Ast(mm)	3908	3908	3933	3933
Aisle width for pallets 800×1200 lengthways	Ast(mm)	4108	4108	4133	4133
Turning radius	Wa(mm)	2230	2230	2350	2350
Performance Data					
Travel speed, laden/unladen	km/h	13/14	13/14	13/14	13/14
Lift speed, laden/unladen	m/s	0.26/ 0.34	0.26/ 0.34	0.26/ 0.34	0.26/ 0.34
Lowering speed, laden/unladen	m/s	<0.6	<0.6	<0.6	<0.6
Max.Drawbar pull, laden/unladen	N	13000/14000	13000/14000	13000/14000	13000/14000
Max.Gradient performance, laden/unladen	%	15/15	15/15	15/15	15/15
Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Motors					
Drive motor rating S2 60 min	KW	16	16	16	16
Lift motor rating at S3 15%	KW	16	16	16	16
Battery standard		Lion	Lead-acid	Lion	Lead-acid
Battery voltage,nominal capacity K5	V/Ah	76.8/206 option: 76.8/277/412/554	80/400	76.8/206 option: 76.8/277/412/554	80/400
Battery weight	kg	200	1090	200	1090
Battery dimensions l/w/h	mm	770/600/680	812/640/760	770/600/680	812/640/760
Other					
Type of drive control		AC	AC	AC	AC
Operating pressure for attachments	Mpa	17.5	17.5	17.5	17.5
Oil volume for attachments	l/min	36	36	36	36
Sound level at driver's ear according to EN 12 053	dB(A)	74	74	75	75

Type sheet acc. to VDI 2198

Identification					
Manufacturer's type designation		FE4P40Q	FE4P45Q	FE4P50Q	FE4P50QL
Drive		electric	electric	electric	electric
Type of operation		seated	seated	seated	seated
Load capacity/rated load	Q(kg)	4000	4500	5000	5000
Load centre distance	c(mm)	500	500	500	600
Load distance, centre of drive axle to fork	x(mm)	563	563	563	568
Wheelbase	y(mm)	1950	1950	1950	1950
Weights					
Service weight incl. battery	kg	6200	6500	6950	7400
Axle loading, laden front/rear	kg	9180/1020	9850/1150	10610/1360	10800/1600
Axle loading, unladen front/rear	kg	2950/3250	2960/3540	2750/4200	2800/4600
Wheels Chassis					
Type:solid rubber, superelastic, pneumatic, polyurethane		Solid rubber	Solid rubber	Solid rubber	Solid rubber
Tyres size, front		250-15	250-15	250-15	28×12.5-15
Tyres size, rear		23×9-10	23×9-10	23×9-10	23×9-10
Wheels, number front/rear(x=driven wheels)		2/×2	2/×2	2/×2	2/×2
Track width, front	b10(mm)	1200	1200	1200	1185
Track width, rear	b11(mm)	1125	1125	1125	1125
Dimensions					
Mast/fork carriage tilt forward/backward	α/β(°)	6/10	6/10	6/10	6/10
Lowered mast height	h1(mm)	2260	2260	2260	2260
Free lift	h2(mm)	150	150	150	150
Extended mast height	h3(mm)	3000	3000	3000	3000
Extended mast height	h4(mm)	4007	4077	4077	4077
Overhead load guardheight	h6(mm)	2265	2265	2265	2265
Seat height/standing height	h7(mm)	1200	1200	1200	1200
Coupling height	h10(mm)	490	490	490	490
Overall length	l1(mm)	4110	4110	4110	4115
Length to face of forks	l2(mm)	3040	3040	3040	3045
Overall width	b1(mm)	1500	1500	1500	1500
Fork dimensions	s/e/l(mm)	50/150/1070	50/150/1070	50/150/1070	55/150/1070
Fork carriage width	b3(mm)	1380	1380	1380	1380
Ground clearance, laden, under mast	m1(mm)	135	135	135	135
Ground clearance, centre of wheelbase	m2(mm)	165	165	165	165
Aisle width for pallets 1000×1200 crossways	Ast(mm)	4453	4453	4453	4458
Aisle width for pallets 800×1200 lengthways	Ast(mm)	4653	4653	4653	4658
Turning radius	Wa(mm)	2690	2690	2690	2690
Performance Data					
Travel speed,laden/unladen	km/h	14/15	14/15	14/15	14/15
Lift speed,laden/unladen	m/s	0.3/0.42	0.3/0.42	0.3/0.42	0.3/0.4
Lowering speed,laden/unladen	m/s	0.38/0.3	0.38/0.3	0.38/0.3	0.38/0.3
Drawbar pull,laden/unladen S2 60 min		5800/6200	6000/6500	6200/6650	6200/6650
Max.drawbar pull ,laden/unladen S2 5 min	N	17500/17000	17800/17500	18500/18000	18500/18000
Max.Gradient performance,laden/unladen S2 30 min	%	16/20	15/20	15/20	15/20
Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Motors					
Drive motor rating S2 60 min	KW	20	20	20	20
Lift motor rating at S3 15%	KW	26	26	26	26
Battery standard		Lion	Lion	Lion	Lion
Battery voltage,nominal capacity K5	V/Ah	76.8/412(554/618/690)	76.8/412(554/618/690)	76.8/412(554/618/690)	76.8/412(554/618/690)
Battery weight	kg	330/420	330/420	330/420	330/420
Battery dimensions l/w/h	mm	1200/810/610	1200/810/610	1200/810/610	1200/810/610
Other					
Type of drive control		AC	AC	AC	AC
Operating pressure for attachments	Mpa	18.5	18.5	18.5	18.5
Oil volume for attachments	l/min	65	65	65	65
Sound level at driver's ear according to EN 12 053	dB(A)	75	75	75	75

NOBLELIFT

Built for better.

Type sheet acc. to VDI 2198

Identification					
Manufacturer's type designation		FE4P30Q	FE4P30Q2	FE4P35Q	FE4P35Q2
Drive		electric	electric	electric	electric
Type of operation		seated	seated	seated	seated
Load capacity/rated load	Q(kg)	3000	3000	3500	3500
Load centre distance	c(mm)	500	500	500	500
Load distance, centre of drive axle to fork	x(mm)	478	478	483	483
Wheelbase	y(mm)	1800	1700	1800	1700
Weights					
Service weight incl. battery	kg	4070	4070	4480	5030
Axle loading, laden front/rear	kg	6390/680	6810/760	7140/840	7660/870
Axle loading, unladen front/rear	kg	1750/2320	2270/2300	1960/2520	2410/2620
Wheels Chassis					
Type:solid rubber, superelastic, pneumatic, polyurethane		pneumatic	pneumatic	superelastic	superelastic
Tyres size, front		28×9-15-14PR	28×9-15-14PR	28×9-15-14PR	28×9-15-14PR
Tyres size, rear		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
Wheels, number front/rear(×=driven wheels)		2×/2	2×/2	2×/2	2×/2
Track width, front	b10(mm)	1004	1004	1004	1004
Track width, rear	b11(mm)	982	982	982	982
Dimensions					
Mast/fork carriage tilt forward/backward	α/β(°)	6/10	6/10	6/10	6/10
Lowered mast height	h1(mm)	2070	2070	2185	2185
Free lift	h2(mm)	140	140	145	145
Extended mast height	h3(mm)	3000	3000	3000	3000
Extended mast height	h4(mm)	4079	4079	4079	4079
Overhead load guardheight	h6(mm)	2150	2200	2150	2200
Seat height/standing height	h7(mm)	1130	1130	1130	1130
Coupling height	h10(mm)	580	580	580	580
Overall length	l1(mm)	3773	3666	3818	3671
Length to face of forks	l2(mm)	2703	2596	2748	2601
Overall width	b1(mm)	1226	1226	1226	1226
Fork dimensions	s/e/l(mm)	45/125/1070	45/125/1070	50/125/1070	50/125/1070
Fork carriage width	b3(mm)	1100	1100	1100	1100
Ground clearance, laden, under mast	m1(mm)	135	135	135	135
Ground clearance, centre of wheelbase	m2(mm)	150	150	150	150
Aisle width for pallets 1000×1200 crossways	Ast(mm)	4078	4078	4123	4123
Aisle width for pallets 800×1200 lengthways	Ast(mm)	4278	4278	4323	4323
Turning radius	Wa(mm)	2400	2350	2440	2350
Performance Data					
Travel speed,laden/unladen	km/h	13/14	13/14	12/13	12/13
Lift speed,laden/unladen	m/s	0.32/0.40	0.32/0.40	0.30/0.40	0.30/0.40
Lowering speed,laden/unladen	m/s	<0.6	<0.6	<0.6	<0.6
Max.drawbar pull,laden/unladen		14000/15000	14000/15000	14000/15000	14000/15000
Max.Gradient performance,laden/unladen S2 5 min	N	15/15	15/15	15/15	15/15
Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Motors					
Drive motor rating S2 60 min	KW	16	16	16	16
Lift motor rating at S3 15%	KW	16	16	16	16
Battery standard		Lion	Lead-acid	Lion	Lead-acid
Battery voltage,nominal capacity K5	V/Ah	76.8/206 option: 76.8/277/412/554	80/400	76.8/277 option: 76.8/412/554	80/400
Battery weight	kg	215	1090	280	1090
Battery dimensions l/w/h	mm	770/650/680	812/640/760	770/650/680	812/640/760
Other					
Type of drive control		AC	AC	AC	AC
Operating pressure for attachments	Mpa	17.5	17.5	17.5	17.5
Oil volume for attachments	l/min	36	36	36	36
Sound level at driver's ear according to EN 12 053	dB(A)	74	74	75	75

Mast Table FE4P25-28Q

Designation	Lift height h3(mm)		Free Lift height h2(mm)		Closed mast height h1(mm)		Extended mast height h4(mm)		Tilt forward/backward α/β(°)		Capacity table(kg) C=500mm without sideshift, single pneumatic tyres	
	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q
Two-stage ZT	2000	2000	130	135	1555	1555	2974	3079	6/10	6/10	2500	2800
	2500	2500	130	135	1865	1865	3474	3579	6/10	6/10	2500	2800
	3000	3000	130	135	2055	2055	3974	4079	6/10	6/10	2500	2800
	3300	3300	130	135	2205	2205	4274	4379	6/10	6/10	2500	2800
	3500	3500	130	135	2305	2305	4474	4579	6/10	6/10	2500	2700
	3600	3600	130	135	2355	2355	4574	4679	6/10	6/10	2500	2700
	3700	3700	130	135	2405	2405	4674	4779	6/10	6/10	2500	2700
	4000	4000	130	135	2605	2605	4974	5079	6/6	6/6	2450	2650
	4300	4300	130	135	2755	2755	5274	5379	6/6	6/6	2300	2500
	4500	4500	130	135	2855	2855	5474	5579	6/6	6/6	2100	2250
	5000	5000	130	135	3105	3105	5974	6079	6/6	6/6	1850	2050
Two-stage ZZ	2500	2500	881	741	1805	1805	3468	3579	6/10	6/10	2500	2800
	3000	3000	1131	991	2055	2055	3968	4079	6/10	6/10	2500	2800
	3300	3300	1281	1141	2205	2205	4268	4379	6/10	6/10	2500	2800
	3500	3500	1381	1241	2305	2305	4468	4579	6/10	6/10	2500	2700
	3600	3600	1431	1291	2355	2355	4568	4679	6/10	6/10	2500	2700
	3700	3700	1481	1341	2405	2405	4668	4779	6/10	6/10	2500	2700
	4000	4000	1681	1541	2605	2605	4968	5079	6/6	6/6	2400	2600
Three-stage DZ	4000	4000	1056	916	1980	1980	4976	5079	6/6	6/6	2350	2550
	4350	4350	1181	1041	2105	2105	5326	5379	6/6	6/6	2200	2400
	4500	4500	1231	1091	2155	2155	5476	5579	6/6	6/6	2000	2200
	4800	4800	1331	1191	2255	2255	5776	5879	6/6	6/6	1900	2100
	5000	5000	1474	1334	2398	2398	5976	6079	6/6	6/6	1700	2000
	5500	5500	1708	1568	2647	2647	6476	6579	3/6	3/6	1400	1500
	6000	6000	1941	1801	2865	2865	6976	7079	3/6	3/6	950	1100
	6500	6500	2174	2034	3098	3098	7476	7579	3/6	3/6	700	750

Mast Table FE4P30-35Q

Designation	Lift height h3(mm)		Free Lift height h2(mm)		Closed mast height h1(mm)		Extended mast height h4(mm)		Tilt forward/backward α/β(°)		Capacity table(kg) C=500mm without sideshift, single pneumatic tyres	
	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q
Two-stage ZT	2000	2000	140	145	1575	1685	3079	3079	6/10	6/10	3000	3500
	2500	2500	140	145	1825	1935	3579	3579	6/10	6/10	3000	3500
	3000	3000	140	145	2075	2185	4079	4079	6/10	6/10	3000	3500
	3300	3300	140	145	2225	2335	4379	4379	6/10	6/10	3000	3500
	3500	3500	140	145	2325	2435	4579	4579	6/10	6/10	3000	3500
	3600	3600	140	145	2375	2485	4679	4679	6/10	6/10	3000	3500
	3700	3700	140	145	2425	2535	4779	4779	6/10	6/10	3000	3500
	4000	4000	140	145	2625	2735	5079	5079	6/6	6/6	2950	3300
	4300	4300	140	145	2775	2885	5379	5379	6/6	6/6	2850	3250
	4500	4500	140	145	2875	2985	5579	5579	6/6	6/6	2600	3100
	5000	5000	140	145	3125	3235	6079	6079	6/6	6/6	2400	2650
Two-stage ZZ	5000	2000	496	496	1575	1575	3079	3079	6/10	6/10	3000	3500
	2500	2500	746	746	1825	1825	3579	3579	6/10	6/10	3000	3500
	3000	3000	996	996	2075	2075	4079	4079	6/10	6/10	3000	3500
	3300	3300	1146	1146	2225	2225	4379	4379	6/10	6/10	3000	3500
	3500	3500	1246	1246	2325	2325	4579	4579	6/10	6/10	3000	3500
	3600	3600	1296	1296	2375	2375	4679	4679	6/10	6/10	3000	3500
	3700	3700	1346	1346	2425	2425	4779	4779	6/10	6/10	3000	3450
Three-stage DZ	4000	4000	921	921	2000	2000	5079	5079	6/6	6/6	2900	3250
	4350	4350	1046	1046	2125	2252	5429	5429	6/6	6/6	2700	3150
	4500	4500	1096	1096	2175	2175	5579	5579	6/6	6/6	2600	3000
	4800	4800	1196	1196	2275	2275	5879	5879	6/6	6/6	2400	2800
	5000	5000	1339	1339	2418	2418	6079	6079	6/6	6/6	2300	2650
	5500	5500	1573	1573	2652	2652	6579	6579	3/6	3/6	1800	2200
	6000	6000	1806	1806	2885	2885	7079	7079	3/6	3/6	1400	1500
	6500	6500	2039	2039	3118	3118	7579	7579	3/6	3/3	800	900
	7000	7000	2205	2205	3284	3284	8079	8079	3/6	3/6	600	700



LITHIUM BATTERY

LONG LASTING AND SAFE LITHIUM POWER.

NOBLELIFT uses LiFePO4 chemistry — the longest-lasting and safest lithium battery chemistry available. Every battery is equipped with a Battery Management System (BMS), a thermal management system, and an intelligent control system. The BMS monitors all charging and discharging data to keep the battery safe throughout its life cycle.

Our lithium battery packs are backed by a 5-year / 10,000 hour warranty.

Advantages of Lithium Power

	LEAD-ACID BATTERY	LITHIUM BATTERY
PRODUCTIVITY	Lower fleet availability — work is interrupted because the battery must be fully charged before next use.	100% fleet availability — opportunity charging tops the battery up between use.
SERVICE LIFE	Periodic battery replacement.	Lasts up to 3 times longer and doesn't need replacing.
ONGOING MAINTENANCE	Outsourced or in-house maintenance personnel required.	No maintenance cost.
CHARGE DURATION	8–10 hours — 2 or more batteries per machine.	2–3 hours — 1 battery per machine.
BATTERY ROOM	Requires an expensive, ventilated battery room.	No battery room needed.
SAFETY	Releases hydrogen while charging (explosion risk); acid burns possible during maintenance.	No dangerous substances.
POWER SAVINGS	Power loss.	No power loss — reduces energy consumption by up to 35%.



NOBLELIFT
Built for better.

SERVICING, PARTS & SUPPORT.

At Noblelift, we understand that reliable servicing and maintenance are essential to keeping your operation running smoothly. That's why we offer comprehensive support tailored to the needs of your Noblelift fleet. With our commitment to excellence and customer satisfaction, you can trust us to keep your equipment operating at peak performance.

Through our nationwide New Zealand network we can provide:

NATIONAL TECHNICAL SUPPORT

Help by phone or on site, nationwide.

FULLY STOCKED PARTS

Genuine parts held in stock across NZ.

MAINTENANCE & SERVICE CONTRACTS

Flexible plans built around your operation.

DEDICATED SERVICE TEAM

Factory-trained technicians with the product knowledge and diagnostic tools to keep your fleet running.

GENUINE PARTS & ACCESSORIES

A full inventory of genuine Noblelift parts, ready when you need them.

BACK-UP MACHINERY

A rental and support fleet on standby to keep you moving through any downtime.

CUSTOMER TRAINING & SUPPORT

Hands-on operator and maintenance training so your team works safely and efficiently.

SCHEDULED MAINTENANCE PROGRAMS

Proactive, tailored servicing that catches issues early and prevents costly breakdowns.

24/7 EMERGENCY SUPPORT

Round-the-clock help to get you back up and running fast.



NOBLELIFT

Built for better.

Talk to our team for sales and enquires

enquiries@noblelift.nz

09 956 5992

Noblelift New Zealand.