

COUNTERBALANCE FORKLIFT

FE4C25-32

4 Wheel Electric Cushion Forklift

NOBLELIFT

Built for better.

OVERVIEW

BUILT FOR BETTER.

The FE4C25-32 is a four-wheel cushion-tyre forklift lifting 2,270–2,950kg, built for indoor warehouses and other hard, smooth-floor sites. Its mast, axles and chassis are engineered as tough as an internal-combustion truck, but with all the advantages of a lithium-ion drivetrain — quiet, ultra-smooth and very low maintenance. AC drive technology delivers strong performance with low running and servicing costs, while a heavy-duty steel build handles heavy loads and high lifts with confidence. Compact and flexible for its class, it moves easily through confined areas, lifting productivity without the noise, fumes or upkeep of an IC forklift.



Key Features



Safety & reliability

Safety and reliability are engineered in throughout, from the build to the control systems, for dependable productivity shift after shift.



Heavy-duty steel build

Chassis, axles, mast and overhead guard engineered as tough as an internal-combustion truck for heavy loads and high lifts.



Lithium-ion AC drivetrain

Quiet, ultra-smooth, low-maintenance performance from a high-frequency MOSFET controller and brand-name electronics, with regenerative braking, reverse braking and anti-roll-back on slopes.



Easy maintenance

Removable side panels and a dual-door structure open up the pump, motor and controls for fast, convenient servicing.



Comfort design

An adjustable-angle steering wheel, spacious foot room and an integral pedal pad make the truck comfortable to operate and easy to get on and off.



Full-suspension seat

Adjustable for weight, lumbar support and position, with an ergonomic operator restraint system for all-shift comfort.



Advanced colour LCD

An easy-to-read display shows speed, steer angle, battery level, hours and mode, with selectable performance modes to match the task.



Full LED lighting

LED headlights, rear work lights, strobe and safety blue light give excellent visibility with low power draw.

INTELLIGENT SAFE AND RELIABLE.



NOBLELIFT
Built for better.

Comprehensive safety protection.



FEATURE	
Intelligent lowering buffer	Cushions the forks as they reach the ground to protect floors and cargo.
Seatbelt restraint warning	A standard operator restraint warning system for added safety.
Side battery removal	A side battery removal assembly makes changeovers fast and easy.
Rear assist grip with horn	A rear grip with a built-in horn for comfortable, safe reversing.
Protected tilt cylinder	A standard tilt cylinder boot shields it from the environment for reliability.
Reduced speed at turning	The truck slows through corners to protect operator and load.
Easy brake-fluid top-up	An intelligent ZAPI or Curtis display makes operation and maintenance simple.

Type sheet acc. to VDI 2198

Identification			
Manufacturer's type designation		FE4C25	FE4C32
Drive		electric	electric
Type of operation		seated	seated
Load capacity/rated load	Q(kg)	2270	2950
Load centre distance	c(mm)	600	600
Load distance, centre of drive axle to fork	x(mm)	440	445
Wheelbase	y(mm)	1295	1395
Weights			
Service weight incl. battery	kg	4350	4850
Axle loading, laden front/rear	kg	5850/1000	6550/1300
Axle loading, unladen front/rear	kg	1650/2700	1800/3050
Wheels Chassis			
Type:solid rubber, superelastic,pneumatic, polyurethane		solid rubber	solid rubber
Tyres size, front		21×7-15	21×8-15
Tyres size, rear		16x6-10.5	16x6-10.5
Wheels, number front/rear(×=driven wheels)		2×/2	2×/2
Track width, front	b10(mm)	882	902
Track width, rear	b11(mm)	922	922
Dimensions			
Mast/fork carriage tilt forward/backward	α/β(°)	6/8	6/8
Lowered mast height	h1(mm)	2170	2170
Free lift	h2(mm)	120	120
Extended mast height	h3(mm)	3000	3000
Extended mast height	h4(mm)	3977	4079
Overhead load guardheight	h6(mm)	2280	2280
Seat height/standing height	h7(mm)	1250	1250
Coupling height	h10(mm)	295	295
Overall length	l1(mm)	3225	3385
Length to face of forks	l2(mm)	2155	2315
Overall width	b1(mm)	1080	1135
Fork dimensions	s/e/l(mm)	40/120/1070	45/125/1070
Fork carriage width	b3(mm)	1040	1100
Ground clearance, laden, under mast	m1(mm)	110	110
Ground clearance, centre of wheelbase	m2(mm)	120	120
Aisle width for pallets 1000×1200 crossways	Ast(mm)	3590	3755
Aisle width for pallets 800×1200 lengthways	Ast(mm)	3790	3955
Turning radius	Wa(mm)	1950	2050
Performance Data			
Travel speed, laden/unladen	km/h	15/15	15/15
Lift speed, laden/unladen	m/s	340/400	340/400
Lowering speed, laden/unladen	m/s	<0.6	<0.6
Max.Drawbar pull, laden/unladen	N	3300/2300	3800/2800
Max.Gradient performance, laden/unladen	%	15/20	15/20
Service brake		Hydraulic	Hydraulic
E-Motor			
Drive motor rating S2 60 min	KW	12	12
Lift motor rating at S3 15%	KW	16	16
Battery standard		Lion/lead-acid	Lion/lead-acid
Battery voltage,nominal capacity K5	V/Ah	Lion 76.8/412(76.8/544) lead-acid (80/480)	Lion 76.8/412(76.8/544) lead-acid (80/560)
Battery weight	kg	Lion 320 lead-acid 1270	Lion 320 lead-acid 1460
Battery dimensions l/w/h	mm	Lion 980/630/605 lead-acid 980/785/610	Lion 980/630/605 lead-acid 980/885/610
Other			
Type of drive control		AC	AC
Operating pressure for attachments	Mpa	175	175
Oil volume for attachments	l/min	36	36
Sound level at driver's ear according to EN 12 053	dB(A)	73	73

NOBLELIFT

Built for better.

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/back-ward α/β(°)		Capacity table(kg) C=24 without sideshift, single pneumatic tyres	
	FE4C25	FE4C32	FE4C25	FE4C32	FE4C25	FE4C32	FE4C25	FE4C32	FE4C25	FE4C32	FE4C25	FE4C32
Two-stage ZT	2500	2500	135	135	1820	1820	3445	3628	6/8	6/8	2270	2950
	3000	3000	135	135	2070	2070	3945	4128	6/8	6/8	2270	2950
	3300	3300	135	135	2220	2220	4245	4428	6/8	6/8	2270	2950
	3500	3500	135	135	2320	2320	4445	4628	6/8	6/8	2270	2950
	3700	3700	135	135	2420	2420	4645	4828	6/8	6/8	2270	2950
	4000	4000	135	135	2620	2620	4945	5128	6/6	6/6	2270	2950
	4300	4300	135	135	2770	2770	5245	5428	6/6	6/6	2270	2910
	4500	4500	135	135	2870	2870	5445	5628	6/6	6/6	2230	2880
	5000	5000	135	135	3120	3120	5945	6128	6/6	6/6	2080	2750
Two-stage ZZ	2500	2500	875	737	1820	1820	3445	3628	6/8	6/8	2270	2950
	3000	3000	1125	987	2070	2070	3945	4128	6/8	6/8	2270	2950
	3300	3300	1275	1137	2220	2220	4245	4428	6/8	6/8	2270	2950
	3500	3500	1375	1237	2320	2320	4445	4628	6/8	6/8	2270	2950
	3700	3700	1475	1337	2420	2420	4645	4828	6/8	6/8	2270	2950
	4000	4000	1675	1537	2620	2620	4945	5128	6/6	6/6	2270	2950
Three-stage DZ	4000	4000	935	862	1880	1945	4945	5128	6/6	6/6	2270	2950
	4350	4350	1060	987	2005	2070	5295	5478	6/6	6/6	2270	2900
	4500	4500	1110	1037	2055	2120	5445	5628	6/6	6/6	2220	2860
	4800	4800	1210	1137	2155	2220	5745	5928	6/6	6/6	2150	2810
	5000	5000	1285	1280	2230	2363	5945	6128	6/6	6/6	2060	2740
	5500	5500	1460	1514	2405	2597	6445	6628	6/6	6/6	1840	2560
	6000	6000	1660	1747	2605	2830	6945	7128	6/6	6/6	1600	1900
	6100	6100	1190	1052	2135	2135	7045	7228	3/5	3/6	1600	1900
	6600	6600	1315	1777	2260	2260	7545	7728	3/5	3/6	1350	1500
	7000	7000	1495	1357	2420	2420	7945	8128	3/5	3/6	800	950

Free lifting height without stop shelf + 266mm
Four lifting height without stop shelf + 450mm



NOBLELIFT

Built for better.



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.