

FE4P16-35N

The new N series electric forklift

INTRODUCTION

The creative, dynamic and elegant design of its appearance makes it a fashion private ride for the operators, the robust metal molding of the exterior covers delivers styling as well as safety. Excellent ergonomic design delivers great reliability, easy maintenance, efficient and comfort operation, safe and environmental friendly.



AUTHORIZED DEALER

Tymbia Solution, S.L.
Carrer Miralcamp, 139
12220 Onda - Castellón SPAIN
Tel: 964371296
Email:comercial@noblelift.shop

NOBLELIFT

FE4P16-35N

The new N series electric forklift

ADVANTAGES

- 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





■ **Energy-saving**

Standard equipped with LED lights, saving energy more than 80%;



■ **Excellent ergonomic design**

The ergonomically designed inclining adjustable small-diameter steering wheel and combined switches as cars makes the driver easy to operate, and the back-and-forth adjustable seat allows the operator to select the optimum driving position. Big hand holder can meet the needs of operators with different heights, and more comfortable; Super low torque steering gear, steering more light;



■ **Foot-type parking brake system**

Foot brake with suspension system, increasing operating space at the foot and foot operation comfort for driver. Foot-type parking brake system, the driver can apply the brake without changing the posture, so long as foot gently step on the parking brake, driver fatigue can be effectively reduced.

■ **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.



■ **Excellent visibility thanks to optimized mast concept**

With its optimized mast concept and arrangement with the hydraulic pipes as well as the other parts, together with the big opening of the fork carriage size, the operator view is much better and comfortable for operation. Big arch overhead cabin guard, and the grid plates with the best angle, the driver's view through the above cabin is much increased. Small-diameter steering wheel and other instrument located further right, reducing the height of the instrument bench, effectively increasing the visibility of the fork tip and goods.

■ **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. 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)



■ **Big LED display**

Big LED display with big LED screen with Error code and warnings for easy monitor of the status.



■ **Rear hand holder with horn function**

The rear hand holder with horn function, for safe and comfortable operation and sitting for the operators during backing. (Optional)



■ **Hydraulic operating handle on the right side**

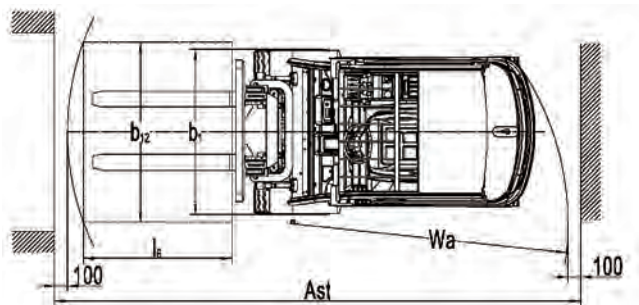
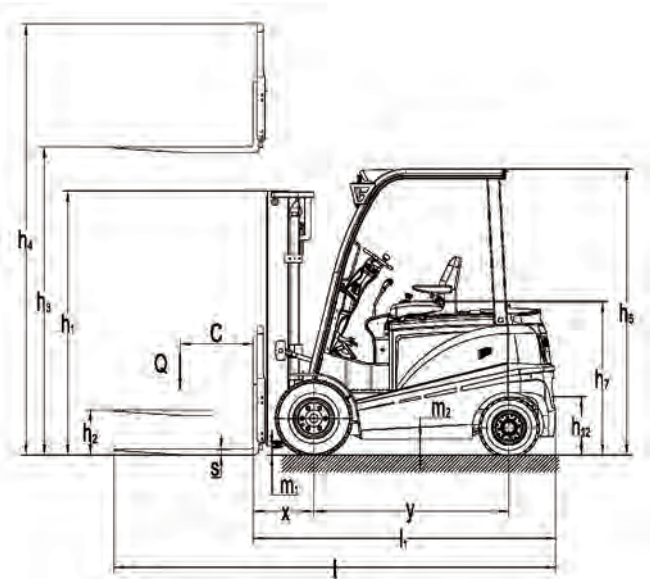
Hydraulic operating handle on the right side, in line with ergonomic engineering, and greatly improved driver comfort.

■ **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.

1KG=2.2LB 1INCH=25.4MM

Identification	1. 1	Manufacture(abbreviation)	Nobellelift						
	1. 2	Manufacturer's type designation		FE4P16N	FE4P18N	FE4P20N	FE4P25N	FE4P30N	FE4P35N
	1. 3	Drive:electric(battery or mains),diesel,petrol gas,manual)		electric	electric	electric	electric	electric	electric
	1. 4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	seated	seated	seated	seated	seated
	1. 5	Load capacity/rated load	Q (kg)	1600	1750	2000	2500	3000	3500
	1. 6	Load centre distance	C(mm)	500	500	500	500	500	500
	1. 8	Load distance,centre of drive axle to fork	x(mm)	381	381	463	468	468	468
	1. 9	wheelbase	y(mm)	1360	1360	1500	1500	1650	1650
Weights	2. 1	Service weight incl. battery(see line 6.5)	kg	3120	3360	4100	4260	4890	5340
	2. 2	Axle loading ,laden front/rear	kg	3950/770	4420/690	5300/800	6020/750	7070/820	7800/1040
	2. 3	Axle loading,unladen front/rear	kg	1470/1650	1540/1820	2060/2150	1940/2320	2210/2680	2210/3130
Wheels , Chassis	3. 1	Type:solid rubber,superelastic,pneumatic,polyurethane		pneumatic	pneumatic	superelastic	superelastic	pneumatic	superelastic
	3. 2	Tyres size,front		6.50-10-10PR	6.50-10-10PR	23×9-10-18PR	23×9-10-18PR	23×9-10-18PR	23×10-12
	3. 3	Tyres size,rear		5.00-8-10PR	5.00-8-10PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18×7-8
	3. 5	Wheels,number front/rear(x = driven wheels)		2×/2	2×/2	2×/2	2×/2	2×/2	2×/2
	3. 6	Track width,front	b ₀ (mm)	970	970	1040	1040	1040	1058
	3. 7	Track width,rear	b ₁ (mm)	920	920	950	950	960	960
Basic Dimensons	4. 1	Mast/fork carriage tilt forward/backward	α/β (°)	6/10	6/10	6/10	6/10	6/10	6/10
	4. 2	lowered mast height	h ₁ (mm)	2000	2000	2045	2045	2045	2045
	4. 3	Free lift	h ₂ (mm)	129	129	120	120	140	140
	4. 4	Lift height	h ₃ (mm)	3000	3000	3000	3000	3000	3000
	4. 5	Extended mast height	h ₄ (mm)	3983	3983	3977	3977	3977	3977
	4. 7	Overhead load guardheight	h ₅ (mm)	2180	2180	2190	2190	2190	2190
	4. 8	Seat height/standing height	h ₇ (mm)	1110	1110	1058	1058	1110	1110
	4. 12	Coupling height	h ₁₀ (mm)	290	290	295	295	295	295
	4. 19	Overall length	l ₁ (mm)	2981	2981	3393	3393	3605	3645
	4. 20	Length to face of forks	l ₂ (mm)	2061	2061	2323	2323	2535	2575
	4. 21	Overall width	b ₁ (mm)	1150	1150	1260	1260	1260	1290
	4. 22	Fork dimensions	s / e / l (mm)	35×100×920	35×100×920	40/120/1070	40/120/1070	45/125/1070	50/120/1070
	4. 24	Fork carriage width	b ₃ (mm)	920	920	1040	1040	1140	1140
	4. 31	Ground clearance ,laden,under mast	m ₁ (mm)	100	100	110	110	110	110
	4. 32	Ground clearance,centre of wheelbase	m ₂ (mm)	110	110	120	120	120	120
	4. 33	Aisle width for pallets 1000×1200 crossways	Ast (mm)	3161	3161	3583	3583	3985	4055
	4. 34	Aisle width for pallets 800×1200 lengthways	Ast (mm)	3361	3361	3713	3718	4115	4185
	4. 35	Turning radius	Wa (mm)	1820	1820	2050	2050	2230	2300
Performance Data	5. 1	Travel speed,laden/unladen	km/h	13/15	13/15	13/14	13/14	13/14	12/13
	5. 2	Lift speed,laden/unladen	m/s	0.32/0.42	0.32/0.42	0.31/0.4	0.30/0.39	0.31/0.4	0.30/0.39
	5. 3	lowering speed,laden/unladen	m/s	<600	<600	<600	<600	<600	<600
	5. 5	Drawbar pull,laden/unladen S2 60 min	N	13000	13000	3300/2300	3300/2300	3500/2500	3800/2800
	5. 6	Max.drawbar pull ,laden/unladen S2 5 min	N			10000/7000	10000/7000		
	5. 8	Max.Gradient performance,laden/unladen S25 min	%	13/15	13/15	13/14	13/14	13/15	13/15
	5. 10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
E -Motor	6. 1	Drive motor rating S2 60 min	Kw	6.8	6.8	11	11	15	15
	6. 2	Lift motor rating at S3 15%	Kw	8.6	8.6	8.6	8.6	10	10
	6. 3	Battery standard		DIN	DIN	BS	BS	DIN	DIN
	6. 4	Battery voltage,nominal capacity K5	V /Ah	48/400 (48/450/450)	48/400 (48/500)	48/600 (48/630/700/770)	48/600 (48/630/700/770)	80/500 (80/560(option)	80/500 (80/560(option)
	6. 5	Battery weight	kg	695	695	947	947	1350	1350
		Battery dimensions l/w/h	mm	980×398×760	980×398×760	980/538/760	980/538/760	1016/688/760	1016/688/760
Other Details	8. 1	Type of drive control		AC	AC	AC	AC	AC	AC
	8. 2	Operating pressure for attachments	MPa	17.5	17.5	17.5	17.5	17.5	17.5
	8. 3	Oil volume for attachments	l / min	36	36	36	36	36	36
	8. 4	Sound level at driver's ear according to EN 12 053	dB (A)	73	73	72	72	74	75



1KG=2.2LB 1INCH=25.4MM

Designtion							without sideshift single pneumatic tyres	
	Lift height h ₃ mm	Free Lift h ₂ mm	Closed mast height h ₁ mm	Extended mast height h ₄ mm	Tiltforward/ backward α/β(°)		FE4P20N	FE4P25N
Two-stage ZT	2000	120	1545	2977	6/10		2000	2500
	2500	120	1795	3227	6/10		2000	2500
	3000	120	2045	3977	6/10		2000	2500
	3300	120	2195	4277	6/10		2000	2500
	3500	120	2295	4477	6/10		2000	2500
	3600	120	2345	4577	6/10		2000	2500
	3700	120	2395	4677	6/6		2000	2500
	4000	120	2595	5077	6/6		2000	2500
	4300	120	2745	5377	6/6		1850	2100
	4500	120	2845	5577	6/6		1700	2000
	5000	120	3145	6077	6/6		1400	1600
	5500	120	3395	6677	3/6		1050	1200
	6000	120	3645	7177	3/6		700	800
	2000	558	1545	2971	6/10		2000	2500
	2500	808	1795	3471	6/10		2000	2500
Two-stage ZZ	3000	1058	2045	3971	6/10		2000	2500
	3300	1208	2195	4271	6/10		2000	2500
	3500	1308	2295	4471	6/10		2000	2500
	3600	1358	2345	4571	6/10		2000	2500
	3700	1408	2395	4671	6/6		2000	2500
	4000	1608	2595	4971	6/6		2000	2500
	4300	1758	2745	5271	6/6		1850	2100
	4500	1858	2845	5471	6/6		1700	2000
	5000	2158	3145	5971	6/6		1400	1600
	5500	2408	3395	6471	3/6		1050	1200
	6000	2658	3645	6971	3/6		700	800
	4000	983	1970	4981	6/6		1900	2300
	4300	1108	2095	5331	6/6		1700	2000
	4500	1158	2145	5479	6/6		1600	1900
	4800	1258	2245	5779	6/6		1400	1600
Three-stage DZ	5000	1401	2388	5979	6/6		1300	1500
	5500	1635	2622	6479	3/6		1000	1150
	6000	1868	2855	6979	3/6		700	800

1KG=2.2LB 1INCH=25.4MM

Designtion							without sideshift single pneumatic tyres	
	Lift height h ₃ mm	Free Lift h ₂ mm	Closed mast height h ₁ mm	Extended mast height h ₄ mm	Tiltforward/ backward α/β(°)		FE4P30N	FE4P35N
Two-stage ZT	2000	125	1545	2977	6/10		3000	3500
	2500	125	1795	3227	6/10		3000	3500
	3000	125	2045	3977	6/10		3000	3500
	3300	125	2195	4277	6/10		3000	3500
	3500	125	2295	4477	6/10		3000	3500
	3600	125	2345	4577	6/10		3000	3500
	3700	125	2395	4677	6/6		2950	3250
	4000	125	2595	5077	6/6		2850	3000
	4300	125	2745	5377	6/6		2700	2800
	4500	125	2845	5577	6/6		2500	2600
	5000	125	3145	6077	6/6		2100	2200
	2000	563	1545	2971	6/10		3000	3500
	2500	813	1795	3471	6/10		3000	3500
	3000	1063	2045	3971	6/10		3000	3500
	3300	1213	2195	4271	6/10		3000	3500
Two-stage ZZ	3500	1313	2295	4471	6/10		3000	3500
	3600	1363	2345	4571	6/10		3000	3500
	3700	1413	2395	4671	6/6		3000	3500
	4000	1613	2595	4971	6/6		2850	3200
	4300	1763	2745	5271	6/6		2700	2850
	4500	1863	2845	5471	6/6		2500	2600
	5000	2163	3145	5971	6/6		2100	2200
	4000	988	1970	4981	6/6		2750	3200
	4300	1113	2095	5331	6/6		2600	3000
	4500	1163	2145	5479	6/6		2400	3000
	4800	1263	2245	5779	6/6		2200	2500
	5000	1406	2388	5979	6/6		2000	2400
	5500	1640	2622	6479	3/6		1500	1750
	6000	1873	2855	6979	3/6		800	1200

