FE4P16-35N

Four wheel Electric Forklift

Optional cold storage special configuration

Readay for Lithium power

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

Rear hand holder with horn function.(Optional)

Hydraulic operating handle on the right side.

Foot-type parking brake system.

Big LED display.

Reliability and Safety

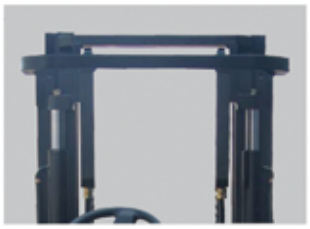
Motor controllers, contactors, power switch, emergencyswitch, display, accelerators and other key electrical components adopt international famous brand.
Advanced AC high frequency integrated MOSFET controller and CAN-bus technology.
High frequency MOSFET integrated controller ensures smooth and accurate driving and lifting, excellent acceleration, motor and controller performance matching delivers safety and reliability such as regenerative braking and reverse connection as well ramp antis-slipping.
Operation sequence protection and electronic self-protection function, Emergency power off switch as standard configuration, meets the European safety norms.

Low noise and environmental-friendly

Cushioning devices added to motor, batteries and otherlocations, 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 ergonomic design.

Energy-saving.



Excellent view thanks to optimized mast structure.

Graceful arc design.

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)

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 counter-weight 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 internationalleaders do, the battery is located at the bottom of the chassis of the forklift which gives great stability with low gravity center.

Type sheet for industrial truck acc. to VDI 2198

1KG=2.2LB 1INCH=25.4MM

	Identification							
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	kg	3120	3260	4010	4260	4890	5270
2.2	Axle loading ,laden front/rear	kg	3950/770	4420/690	5260/750	6020/750	7070/820	7750/1020
2.3	Axle loading,unladen front/rear	kg	1470/1650	1490/1770	1900/2110	1940/2320	2210/2680	2190/3080
	Wheels、Chassis							
3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		pneumatic	pneumatic	pneumatic	pneumatic	pneumatic	Superelastic
3.2	Tyres size,front		6.5-10-10PR	6.5-10-10PR	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	200/50-10
3.5	Wheels,number front/rear(×=driven wheels)		2×/2	2×/2	2×/2	2×/2	2×/2	2×/2
3.6	Track width,front	b10(mm)	970	970	1040	1040	1040	1058
3.7	Track width,rear	b11(mm)	920	920	950	950	960	960
	Basic Dimensions							
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	h1(mm)	2010	2010	2045	2045	2045	2045
4.3	Free lift	h2(mm)	125	125	120	120	125	125
4.4	Lift height	h3(mm)	3000	3000	3000	3000	3000	3000
4.5	Extended mast height	h4(mm)	3887	3887	3977	3977	3977	3977
4.7	Overhead load guardheight	h6(mm)	2200	2200	2190	2190	2210	2210
4.8	Seat height/standing height	h7(mm)	1110	1110	1110	1110	1110	1110
4.12	Coupling height	h10(mm)	290	290	295	295	295	295
4.19	Overall length	l1(mm)	2981	2981	3393	3398	3605	3645
4.20	Length to face of forks	l2(mm)	2061	2061	2323	2328	2535	2575
4.21	Overall width	b1(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	50/125/1070
4.24	Fork carriage width	b3(mm)	1040	1040	1040	1040	1100	1100
4.31	Ground clearance ,laden,under mast	m1(mm)	100	100	110	110	110	110
4.32	Ground clearance,centre of wheelbase	m2(mm)	110	110	120	120	120	120
4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	3501	3501	3713	3718	3898	3968
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	3701	3701	3913	3918	4098	4168
4.35	Turning radius	Wa(mm)	1920	1920	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	0.30/0.42	0.30/ 0.4	0.27/ 0.39	0.31/ 0.4	0.30/ 0.39
5.3	lowering speed,laden/unladen	m/s	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
5.5	Drawbar pull,laden/unladen S2 60 min	N	13000	13000	3300/2300	3300/2300	3500/2500	3800/2800
5.7	Max.Gradient performance,laden/unladen S2 5 min	%	15/20	15/20	15/20	15/20	15/20	15/20
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		BS	BS	BS	BS	BS	BS
6.4	Battery voltage,nominal capacity K5	V/Ah	48/400(48/450/500)	48/450(48/500)	48/600 (48/630/700/770)	48/600 (48/630/700/770)	80/500(80/560)	80/500(80/560)
6.4	Battery weight	kg	695	760	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	73	74	75

Mast Table FE4P16-18N

Designation	Lift height h3 (mm)	Free Lift 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 solid tyres FE4P16N	FE4P18N
Two-stage ZT	2500	125	1760	3387	6/10	1600	1750
	2700	125	1860	3587	6/10	1600	1750
	3000	125	2010	3887	6/10	1600	1750
	3300	125	2160	4187	6/10	1600	1750
	3500	125	2260	4387	6/10	1600	1750
	3700	125	2360	4587	6/10	1600	1750
	4000	125	2560	4887	6/6	1500	1600
	4300	125	2710	5187	6/6	1400	1500
	4500	125	2810	5387	6/6	1350	1450
	5000	125	3085	5887	6/6	1000	1100
Two-stage ZZ	2500	807	1760	3473	6/10	1600	1750
	2700	907	1860	3673	6/10	1600	1750
	3000	1057	2010	3973	6/10	1600	1750
	3300	1207	2160	4273	6/10	1600	1750
	3500	1307	2260	4473	6/10	1600	1750
	3700	1407	2360	4673	6/10	1600	1750
	4000	1607	2560	4973	6/6	1500	1600
	4300	1757	2710	5273	6/6	1400	1450
	4500	1857	2810	5473	6/6	1350	1450
	5000	2132	3085	5973	6/6	1000	1100
Three-stage DZ	4000	1386	1955	4980	6/6	1500	1600
	4350	1510	2080	5330	6/6	1400	1500
	4500	1560	2130	5480	6/6	1350	1450
	4800	1660	2230	5780	6/6	1200	1310
	5000	1760	2330	5980	6/6	1000	1100
	5500	1910	2480	6480	3/6	800	900
	6000	2110	2680	6980	3/6	600	700

Mast Table FE4P20-25N

Designation	Lift height h3 (mm)	Free Lift 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 solid tyres FE4P20N	FE4P25N
Two-stage ZT	2000	120	1545	2977	6/10	2000	2500
	2500	120	1795	3277	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
Two-stage ZZ	2000	558	1545	2971	6/10	2000	2500
	2500	808	1795	3471	6/10	2000	2500
	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	1150
	6000	2658	3645	6971	3/6	700	800
Three-stage DZ	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
	5000	1401	2388	5979	6/6	1300	1500
	5500	1635	2622	6479	3/6	1000	1150
	6000	1868	2855	6979	3/6	700	800
	6500	2102	3088	7479	3/3	400	500

Mast Table FE4P30-35N

Designation	Lift height h3 (mm)	Free Lift 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 solid tyres FE4P30N	FE4P35N
Two-stage ZT	2000	125	1545	2977	6/10	3000	3500
	2500	125	1795	3277	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
Two-stage ZZ	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
	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
Three-stage DZ	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	1200	1250
	6500	2107	3088	7479	3/3	800	900