

NOBLELIFT

1600 - 3500KG



FE4P16/35N

4-WHEEL ELECTRIC FORKLIFT



Ergonomic



Powerful
battery



Easy
maintenance



Robust
design



Capacity
1600-3500kg



High
performance

Why choose between price and quality when you can have both !

Designation	Lift height h3 (mm)	Free lift h2 (mm)	Height of closed mast h1 (mm)	Extended mast height h4 (mm)	Forward/backward tilt α / β (°)	Capacity table(kg) C=500mm sideshift, without sideshift, single solid tyres	
						FE4P16N	FE4P18N
Duplex	2500	129	1750	3483	6/10	1600	1750
	2700	129	1850	3683	6/10	1600	1750
	3000	129	2000	3983	6/10	1600	1750
	3300	129	2150	4283	6/10	1600	1750
	3500	129	2250	4483	6/10	1600	1750
	3700	129	2350	4683	6/10	1600	1750
	4000	129	2550	4983	6/6	1500	1600
	4350	129	2700	5283	6/6	1400	1500
	4500	129	2800	5483	6/6	1350	1450
	5000	129	3075	5983	6/6	1000	1100
Duplex Large free lift	2500	759	1750	3476	6/10	1600	1750
	2700	859	1850	3676	6/10	1600	1750
	3000	1009	2000	3976	6/10	1600	1750
	3300	1159	2150	4276	6/10	1600	1750
	3500	1259	2250	4476	6/10	1600	1750
	3700	1359	2350	4676	6/10	1600	1750
	4000	1559	2550	4976	6/10	1500	1600
	4350	1709	2700	5276	6/6	1400	1450
	4500	1809	2800	5476	6/6	1350	1450
	5000	2084	3075	5976	6/6	1000	1100
Triplex	4000	954	1945	4981	6/6	1500	1600
	4350	1079	2070	5330	6/6	1400	1500
	4500	1129	2120	5480	6/6	1350	1450
	4800	1229	2220	5780	6/6	1000	1100
	5000	1329	2320	5980	6/6	1000	1100
	5500	1479	2470	6481	3/6	800	900
	6000	1679	2670	6980	3/6	600	700
Designation	Lift height h3 (mm)	Free lift h2 (mm)	Height of closed mast h1 (mm)	Extended mast height h4 (mm)	Forward/backward tilt α / β (°)	Capacity table(kg) C=500mm sideshift, without sideshift, single solid tyres	
						FE4P20N	
Duplex	2000	120	1545	2977	6/10	2000	
	2500	120	1795	3227	6/10	2000	
	3000	120	2045	3977	6/10	2000	
	3300	120	2195	4277	6/10	2000	
	3500	120	2295	4477	6/10	2000	
	3600	120	2345	4577	6/10	2000	
	3700	120	2395	4677	6/6	2000	
	4000	120	2595	5077	6/6	2000	
	4300	120	2745	5377	6/6	1850	
	4500	120	2845	5577	6/6	1700	
	5000	120	3145	6077	6/6	1400	
	5500	120	3395	6677	3/6	1050	
	6000	120	3645	7177	3/6	700	
Duplex Large free lift	2000	558	1545	2971	6/10	2000	
	2500	808	1795	3471	6/10	2000	
	3000	1058	2045	3971	6/10	2000	
	3300	1208	2195	4271	6/10	2000	
	3500	1308	2295	4471	6/10	2000	
	3600	1358	2345	4571	6/10	2000	
	3700	1408	2395	4671	6/6	2000	
	4000	1608	2595	4971	6/6	2000	
	4300	1758	2745	5271	6/6	1850	
	4500	1858	2845	5471	6/6	1700	
	5000	2158	3145	5971	6/6	1400	
	5500	2408	3395	6471	3/6	1050	
	6000	2158	3645	6971	3/6	700	
Triplex	4000	983	1970	4981	6/6	1900	
	4300	1108	2095	5331	6/6	1700	
	4500	1158	2145	5479	6/6	1600	
	4800	1258	2245	5779	6/6	1400	
	5000	1401	2388	5979	6/6	1300	
	5500	1635	2622	6479	3/6	1000	
	6000	1868	2855	6979	3/6	700	

Identification					
1.1	Manufacturer's model designation		FE4P16N	FE4P18N	FE4P20N
1.2	Transmission: electric (battery or mains), diesel, petrol, manual		electric		
1.3	Type of operation (manual, pedestrian, standing, seated, order picker)		base		
1.4	Load capacity/rated load	Q(kg)	1600	2000	2500
1.5	Centre of gravity	C(mm)	500		
1.6	Load distance between the centre of the drive axle and the fork	x(mm)	381		463
Weight					
2.1	Operating weight with battery	kg	3100	3250	4010
Wheels, chassis					
3.1	Type: solid rubber, superelastic, pneumatic, polyurethane		tyres		
3.2	Front tyre size		6.50-10-10PR		23x9-10-18PR
3.3	Rear tyre size		5.00-8-10PR		18X7-8-14PR
3.4	Wheels, number front/rear (x=drive wheels)		2x/2		
3.5	Distance between front wheels	b10(mm)	970		1040
3.6	Distance between rear wheels	b11(mm)	920		950
General dimensions					
4.1	Forward/reverse tilt of mast/fork carriage	α/β (°)	6/10		
4.2	Lowering the height of the mast	h1(mm)	2000		2045
4.3	Free lift	h2(mm)	129		120
4.4	Lift height	h3(mm)	3000		
4.5	Extended mast height	h4(mm)	3983		3977
4.6	Height of suspended load guardrail	h6(mm)	2195		2190
4.7	Seat height / standing height	h7(mm)	1110		1100
4.8	Hitch height	h10(mm)	290		295
4.9	Total length	l1(mm)	2981		3393
4.10	Length to face of forks	l2(mm)	2061		2323
4.11	Total width	b1(mm)	1150		1260
4.12	Fork dimensions	s/e/l(mm)	35/100/920		40/120/1070
4.13	Width of fork carriage	b3(mm)	1040		
4.14	Loaded ground clearance under mast	m1(mm)	100		110
4.15	Ground clearance, centre of wheelbase	m2(mm)	110		120
4.16	Aisle width for crossed 1000x1200 pallets	Ast(mm)	3161		3583
4.17	Aisle width for pallets 800x1200 in length	Ast(mm)	3361		3713
4.18	Turning radius	Wa(mm)	1820		2050
Performance					
5.1	Travel speed with/without load	km/h	13/15		13/14
5.2	Lift speed with/without load	m/s	0.32/0.42		0.31/0.40
5.3	Lowering speed, loaded/unloaded	m/s	<0.6		
5.4	Maximum gradient performance, loaded/unloaded S2 5 min	%	13/15		
5.5	Service brake		Hydraulics		
Electric motor					
6.1	Drive motor power S2 60 min	kW	6.8		11
6.2	Lifting motor output at S3 15%.	kW	8.6		
6.3	Standard battery		DIN		
6.4	Battery voltage, nominal capacity K5	V/Ah	48/400 (48/450/500) Optional	48/450 (48/500) Optional	48/600 (48/630 48/700 48/770) Optional
Further information					
8.1	Type of drive control		AC		
8.2	Accessory operating pressure	Mpa	17.5		
8.3	Oil volume for accessories	l/min	36		
8.4	Driver-perceived noise level to EN 12 053	dB(A)	73		72

Designation	Lift height h3 (mm)	Free lift h2 (mm)	Height of closed mast h1 (mm)	Extended mast height h4 (mm)	Forward/backward tilt α / β (°)	Capacity table(kg) C=500mm sideshift, without sideshift, single solid tyres	
						FE4P25N	
Duplex	2000	120	1545	2977	6/10	2500	
	2500	120	1795	3227	6/10	2500	
	3000	120	2045	3977	6/10	2500	
	3300	120	2195	4277	6/10	2500	
	3500	120	2295	4477	6/10	2500	
	3600	120	2345	4577	6/10	2500	
	3700	120	2395	4677	6/6	2500	
	4000	120	2595	5077	6/6	2500	
	4300	120	2745	5377	6/6	2100	
	4500	120	2845	5577	6/6	2000	
	5000	120	3145	6077	6/6	1600	
	5500	120	3395	6677	3/6	1200	
	6000	120	3645	7177	3/6	800	
Duplex Large free lift	2000	558	1545	2971	6/10	2500	
	2500	808	1795	3471	6/10	2500	
	3000	1058	2045	3971	6/10	2500	
	3300	1208	2195	4271	6/10	2500	
	3500	1308	2295	4471	6/10	2500	
	3600	1358	2345	4571	6/10	2500	
	3700	1408	2395	4671	6/6	2500	
	4000	1608	2595	4971	6/6	2500	
	4300	1758	2745	5271	6/6	2100	
	4500	1858	2845	5471	6/6	2000	
	5000	2158	3145	5971	6/6	1600	
	5500	2408	3395	6471	3/6	1200	
	6000	2158	3645	6971	3/6	800	
Triplex	4000	983	1970	4981	6/6	2300	
	4300	1108	2095	5331	6/6	2000	
	4500	1158	2145	5479	6/6	1900	
	4800	1258	2245	5779	6/6	1600	
	5000	1401	2388	5979	6/6	1500	
	5500	1635	2622	6479	3/6	1150	
	6000	1868	2855	6979	3/6	800	
Designation	Lift height h3 (mm)	Free lift h2 (mm)	Height of closed mast h1 (mm)	Extended mast height h4 (mm)	Forward/backward tilt α / β (°)	Capacity table(kg) C=500mm sideshift, without sideshift, single solid tyres	
						FE4P30N	FE4P35N
Duplex	2000	135	1545	2977	6/10	3000	3500
	2500	135	1795	3227	6/10	3000	3500
	3000	135	2045	3977	6/10	3000	3500
	3300	135	2195	4277	6/10	3000	3500
	3500	135	2295	4477	6/10	3000	3500
	3600	135	2345	4577	6/10	3000	3500
	3700	135	2395	4677	6/6	2950	3250
	4000	135	2595	5077	6/6	2850	3000
	4300	135	2745	5377	6/6	2700	2800
	4500	135	2845	5577	6/6	2500	2600
	5000	135	3145	6077	6/6	2100	2200
Duplex Large free lift	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
	5500	2413	3395	6471	3/6	1700	1800
Triplex	4000	988	1970	4981	6/6	2750	3200
	4350	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

Identification					
1.1	Manufacturer's model designation		FE4P25N	FE4P30N	FE4P35N
1.2	Transmission: electric (battery or mains), diesel, petrol, manual		electric		
1.3	Type of operation (manual, pedestrian, standing, seated, order picker)		base		
1.4	Load capacity/rated load	Q(kg)	2500	3000	3500
1.5	Centre of gravity	C(mm)	500		
1.6	Load distance between the centre of the drive axle and the fork	x(mm)	468		
Weight					
2.1	Operating weight with battery	kg	4260	4850	5380
Wheels, chassis					
3.1	Type: solid rubber, superelastic, pneumatic, polyurethane		tyres		
3.2	Front tyre size		23x9-10-18PR		23X10-12PR
3.3	Rear tyre size		18x7-8-14PR		18x7-8PR
3.4	Wheels, number front/rear (x=drive wheels)		2x/2		
3.5	Distance between front wheels	b10(mm)	1040		1058
3.6	Distance between rear wheels	b11(mm)	950	960	
General dimensions					
4.1	Forward/reverse tilt of mast/fork carriage	α/β (°)	6/10		
4.2	Lowering the height of the mast	h1(mm)	2045		
4.3	Free lift	h2(mm)	120	140	
4.4	Lift height	h3(mm)	3000		
4.5	Extended mast height	h4(mm)	3977		
4.6	Height of suspended load guardrail	h6(mm)	2190	2205	
4.7	Seat height / standing height	h7(mm)	1100	1110	
4.8	Hitch height	h10(mm)	295		
4.9	Total length	l1(mm)	3398	3605	3645
4.10	Length to face of forks	l2(mm)	2328	2535	2575
4.11	Total width	b1(mm)	1260		1290
4.12	Fork dimensions	s/e/l(mm)	40/120/1070	45/125/1070	40/120/1070
4.13	Width of fork carriage	b3(mm)	1040	1100	
4.14	Loaded ground clearance under mast	m1(mm)	110		
4.15	Ground clearance, centre of wheelbase	m2(mm)	120		
4.16	Aisle width for crossed 1000x1200 pallets	Ast(mm)	3588	3985	4055
4.17	Aisle width for pallets 800x1200 in length	Ast(mm)	3718	4115	4185
4.18	Turning radius	Wa(mm)	2050	2230	2300
Performance					
5.1	Travel speed with/without load	km/h	13/14		12/13
5.2	Lift speed with/without load	m/s	0.30/0.39	0.31/0.40	0.30/0.39
5.3	Lowering speed, loaded/unloaded	m/s	<0.6		
5.4	Maximum gradient performance, loaded/unloaded S2 5 min	%	13/15		
5.5	Service brake		Hydraulics		
Electric motor					
6.1	Drive motor power S2 60 min	kW	11	15	15
6.2	Lifting motor output at S3 15%.	kW	8.6	10	10
6.3	Standard battery		DIN		
6.4	Battery voltage, nominal capacity K5	V/Ah	48/600 (48/630 48/700 48/770) Optional	80/500 (48/560) Optional	
Further information					
8.1	Type of drive control		AC		
8.2	Accessory operating pressure	Mpa	17.5		
8.3	Oil volume for accessories	l/min	36		
8.4	Driver-perceived noise level to EN 12 053	dB(A)	73	74	75