

NOBLELIFT

NOBLELIFT INTELLIGENT EQUIPMENT CO., LTD

ISO9001 / ISO14001

//2018.04

FE4P16-35N

4-Wheels
Electric Forklift

1600-3500 Kg

NEW MODEL RANGE



High Speed
& Efficiency



High
Maneuverability



Best Cost-Performance
Ratio

NEW / Noblelift Products ARRIVAL

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Official website



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Type sheet for industrial truck acc. to VDI 2198

Identification

1.1	Manufacture(abbreviation)			NOBLELIFT 诺力					
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

Weight

2.1	Service weight incl. battery(see line 6.5)		Kg	3100	3250	4010	4260	4850	5340
2.2	Axle loading ,laden front/rear		Kg	4160/540	4380/670	5310/700	6020/750	7050/800	7770/1070
2.3	Axle loading,unladen front/rear		Kg	1500/1600	1550/1700	2000/2010	2000/2260	2220/2630	2210/3130

Tires, chassis

3.1	Type:solid rubber,superelastic,pneumatic,polyurethane			pneumatic	pneumatic	pneumatic	pneumatic	pneumatic	实心胎 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(*=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

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	2000	2000	2045	2045	2045	2045
4.3	Free lift	h2	mm	129	129	120	120	140	140
4.4	Lift height	h3	mm	3000	3000	3000	3000	3000	3000
4.5	Extended mast height	h4	mm	3983	3983	3977	3977	3977	3977
4.7	Overhead load guardheight	h6	mm	2195	2195	2190	2190	2205	2205
4.8	Seat height/standing height	h7	mm	1110	1110	1100	1100	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	50X125X1070
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	3161	3161	3583	3588	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	0.30/0.42	0.31/0.40	0.30/0.39	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
5.6	Max. drawbar pull,laden/unladen S2 5 min		N	13000/12700	13000/12750	16000/15750	16000/15800	17000/16700	17000/16750
5.7	Max.Gradient performance,laden/unladen S2 5 min		%	13/15	13/15	13/15	13/15	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 (48/450/500)	48/450 (48/500)	48/600 48/630 48/700 48/770 (Optional)	48/600 48/630 48/700 48/770 (Optional)	80/500 80/560 (Optional)	80/500 80/560 (Optional)
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	73	74	75

Mast Table

Designation	Lift height h3(mm)	Free Lift height h2(mm)	Closed mast height h1(mm)	Extended mast height h4(mm)	Extended mast height α/β(°)	Capacity table(kg) C=500mm without sideshift single pneumatic tyres	
						FE4P16N	FE4P18N
Two-stage ZT	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
Two-stage ZZ	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
Three-stage DZ	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

Free Lift height (No Back-rest) +325mm

Mast Table

Designation	Lift height h3(mm)	Free Lift height h2(mm)	Closed mast height h1(mm)	Extended mast height h4(mm)	Extended mast height α/β(°)	Capacity table(kg) C=500mm without sideshift single pneumatic tyres	
						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
Two-stage ZZ	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	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
Three-stage DZ	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

Free Lift height (No Back-rest) +425mm

Mast Table

Designation	Lift height h3(mm)	Free Lift height h2(mm)	Closed mast height h1(mm)	Extended mast height h4(mm)	Extended mast height $\alpha/\beta(^{\circ})$	Capacity table(kg) C=500mm without sideshift single pneumatic tyres	
						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
Two-stage ZZ	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
	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
Lifting type	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

Free Lift height (No Back-rest) +425mm

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