

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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Type sheet for industrial truck acc. to VDI 2198

Identification

1.1	Manufacture(abbreviation)								
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	23x9-10-18PR	23x9-10-18PR	23x9-10-18PR	23x10-12
3.3	Tyres size,rear			5.00-8-10PR	5.00-8-10PR	18x7-8-14PR	18x7-8-14PR	18x7-8-14PR	18x7-8
3.5	Wheels,number front/rear(x=driven wheels)			2x/2	2x/2	2x/2	2x/2	2x/2	2x/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	35x100x920	35x100x920	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 1000x1200 crossways	Ast	mm	3161	3161	3583	3588	3985	4055
4.34	Aisle width for pallets 800x1200 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	980x398x760	980x398x760	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