

NOBLELIFT

Material Handling

AC

8,000/10,000lbs

FE4P80/100N

CE

4-wheel Electric N SERIES FORKLIFT



FE4P80/100N

Four-wheels Electric Forklift

- As the most powerful forklift with loading capacity of 8,000/10,000lbs in N series, 80/100N adopts automobile operation mode, which gives the driver a comfortable space and enables effortless operation.
- Imported multi-function integrated LCD display, forklift status and fault is clear at a glance; LED lights and standard warning light allows you to operate freely at night.
- Maintenance-free and powerful AC motor does not need carbon brush comparing to traditional DC motor.
- Speed sensor and temperature sensor with full protection ensure great reliability and long life.
- Intelligent battery charger with powerful functions of self-diagnosis, automatic cut-off, fault alarm, initial charging and balanced charging.





A Fully openable cover design makes the maintenance of battery, motor, hydraulic piping, electronic controller and other parts extremely convenient and efficient.

C Standard angle sensor enables real time observation of steering wheel angle, along with speed reduction automatic deceleration while turning.

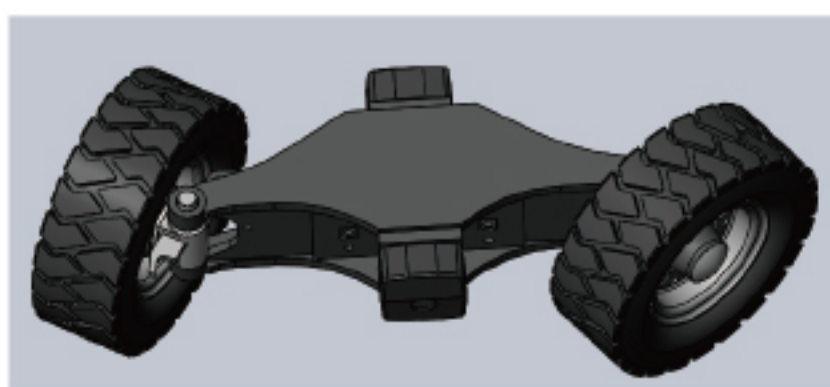
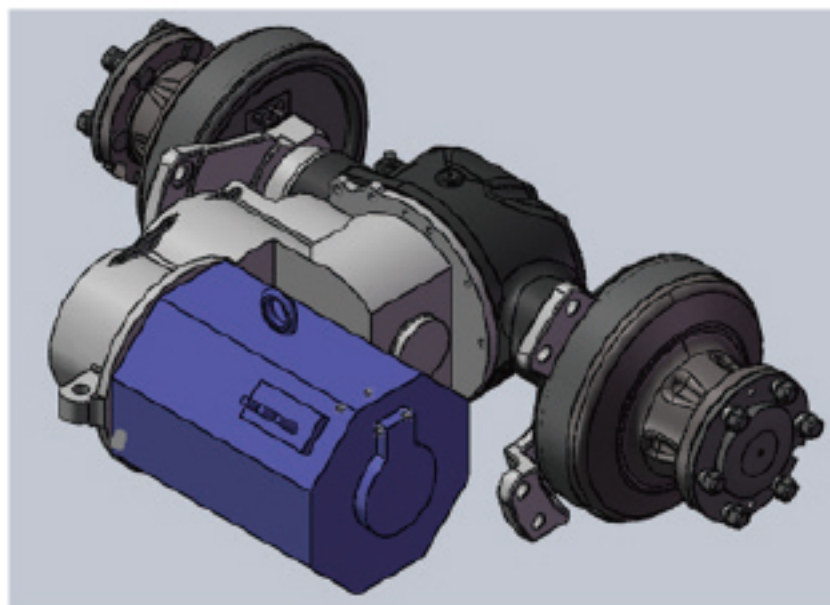
E Rear view mirror.

G Standard teacup seat, safety rails, stationery clip.

B Side-opening inspection window gives you clear sight of electrical parts.

D Standard reversing radar, internal and external roof protection.

F USB interface.



Transmission system: horizontal fan-shaped drive axle mounted in parallel, large transmission ratio.
 The battery is located at the bottom of the chassis which ensures great stability of the forklift.
 Hydraulic system: low noise gear pump with fully hydraulic power steering.
 Low noise and comfortable operation.



Type sheet for industrial truck acc. to VDI 219

Distinguishing mark

1.2	Manufacturer's type designation		FE4P80N	FE4P80N-D	FE4P100N	FE4P100N-D
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		Electric	Electric	Electric	Electric
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	Seated	Seated	Seated
1.5	Load capacity/rated load	Q(lbs)	8000	8000	10000	10000
1.6	Load centre distanc	c(in)	23.6	23.6	23.6	23.6
1.8	Load distance,centre of drive axle to fork	x(in)	22.2	22.2	22.2	22.2
1.9	wheelbase	y(in)	74.8	74.8	74.8	74.8

Weight

2.1	Service weight incl. battery(see line 6.5)	lbs	14696	14476	16038	15818
2.2	Axle loading ,laden front/rear	lbs	20724/2772	20614/2662	24332/2706	24222/2596
2.3	Axle loading,unladen front/rear	lbs	6776/7920	6666/7810	7128/8910	7018/8800

Tires,chassis

3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		Solid	Solid	Solid	Solid
3.2	Tyres size,front		250-15	250-15	250-15	250-15
3.3	Tyres size,rear		21×8-9	21×8-9	21×8-9	21×8-9
3.5	Wheels,number front/rear(x=driven wheels)		2/×2	2/×2	2/×2	2/×2
3.6	Track width,front	b ₁₀ (in)	47	47	47	47
3.7	Track width,rear	b ₁₁ (in)	40.9	40.9	40.9	40.9

Dimensions

4.1	Mast/fork carriage tilt forward/backward	α/β(°)	6/10	6/10	6/10	6/10
4.2	lowered mast height	h ₁ (in)	89	89	89	89
4.3	Free lift	h ₂ (in)	5.9	5.9	5.9	5.9
4.4	Lift height	h ₃ (in)	118	118	118	118
4.5	Extended mast height	h ₄ (in)	162.1	162.1	162.1	162.1
4.7	Overhead load guardheight	h ₆ (in)	89.2	89.2	89.2	89.2
4.8	Seat height/standing height	h ₇ (in)	47.2	47.2	47.2	47.2
4.12	Coupling height	h ₁₀ (in)	19.3	19.3	19.3	19.3
4.19	Overall length	l ₁ (in)	156	156	156	156
4.20	Length to face of forks	l ₂ (in)	113.9	113.9	113.9	113.9
4.21	Overall width	b ₁ (in)	57.1	57.1	57.1	57.1
4.22	Fork dimensions	s/e/l(in)	2.0/5.9/42.1	2.0/5.9/42.1	2.0/5.9/42.1	2.0/5.9/42.1
4.24	Fork carriage width	b ₃ (in)	54.3	54.3	54.3	54.3
4.31	Ground clearance ,laden,under mast	m ₁ (in)	5.3	5.3	5.3	5.3
4.32	Ground clearance,centre of wheelbase	m ₂ (in)	6.5	6.5	6.5	6.5
4.33	Aisle width for pallets 1000×1200 crossways	Ast(in)	173.7	171.4	173.7	171.4
4.34	Aisle width for pallets 800×1200 lengthways	Ast(in)	181.6	179.3	181.6	179.3
4.35	Turning radius	Wa(in)	104.3	102	104.3	102

Performance

5.1	Travel speed,laden/unladen	miine/h	8.68/9.3	9.3/9.92	8.06/8.68	8.68/9.3
5.2	Lift speed,laden/unladen	fpm	5.3/7.1	5.3/7.1	4.9/7.1	4.9/7.1
5.3	lowering speed,laden/unladen	fpm	6.3/5.1	6.3/5.1	6.9/5.1	6.9/5.1
5.6	Drawbar pull,laden/unladen S ₂ 60 min	blf	1305/1395	1350/1462.5	1395/1496.25	1462.5/1563.75
5.7	Max.Gradient performance,laden/unladen S ₂ 5 min	%	16/20	16/20	15/20	15/20
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic

Electric-engine

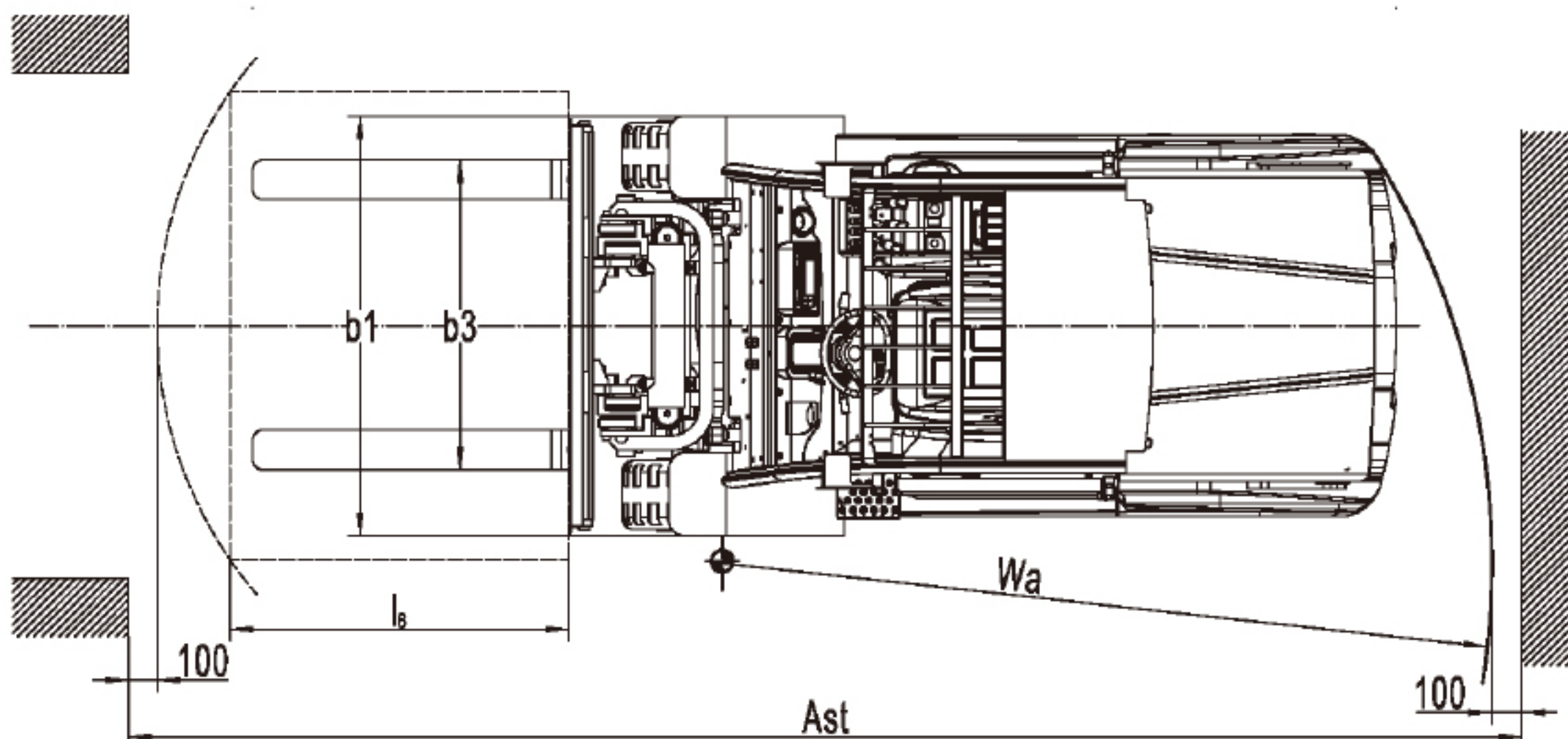
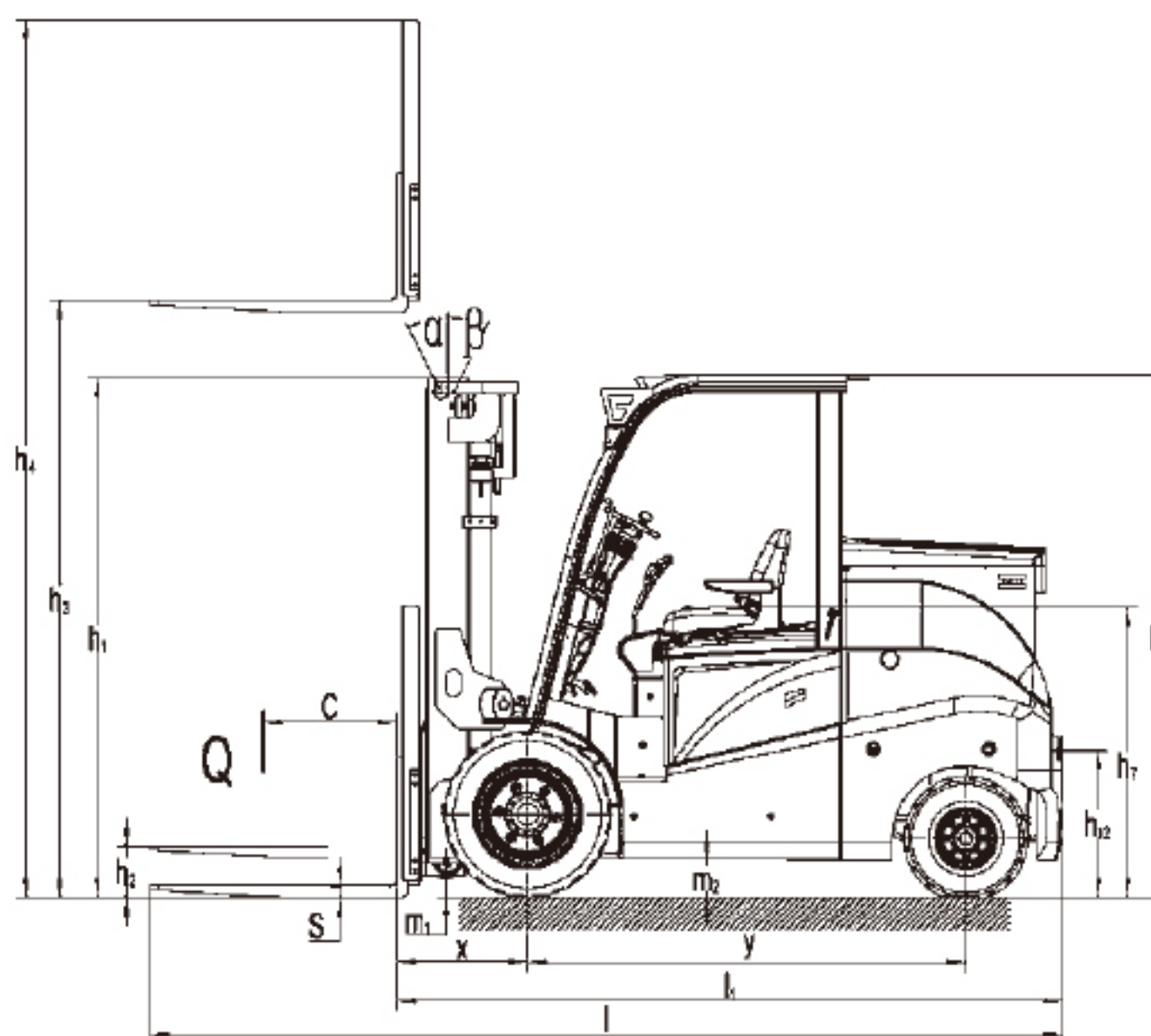
6.1	Drive motor rating S ₂ 60 min	hp	22.2	14.74×2	22.2	14.74×2
6.2	Lift motor rating at S ₃ 15%	hp	18.1×2	18.1×2	18.1×2	18.1×2
6.3	Battery standard		DIN	DIN	DIN	DIN
6.4	Battery voltage,nominal capacity K ₅	V/Ah	80/630	80/630	80/650(700/750)	80/650(700/750)
6.5	Battery weight	lbs	3828	3828	4048(4268/4620)	4048(4268/4620)
	Battery dimensions l/w/h	in	41.3/32.3/34.1	41.3/32.3/34.1	41.3/32.3/34.1	41.3/32.3/34.1

Additional data

8.1	Type of drive control		AC	AC	AC	AC
8.2	Operating pressure for attachments	psl	2537.5	2537.5	2537.5	2537.5
8.3	Oil volume for attachments	gmp	792.5	792.5	792.5	792.5
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	75	75	77	77

Mast table FE4P80/100N

Designation	Lift height h_3 (in)	Free lift height h_2 (in)	Closed mast height h_1 (in)	Extended mast height h_4 (in)	Tilt forward/backward α/β (°)	Capacity table(kg) C=23.6 in without sideshift single solid tyres	
						FE4P80N	FE4P100N
Two-stage STD (Optional Full Free Lift)	98	5.9	79.1	142.4	6/10	8000	10000
	106	5.9	83.1	150.3	6/10	8000	10000
	118	5.9	89.0	162.1	6/10	8000	10000
	130	5.9	94.9	173.9	6/10	8000	10000
	138	5.9	98.8	181.8	6/10	8000	10000
	142	5.9	100.8	185.7	6/10	8000	10000
	146	5.9	102.8	189.6	6/10	8000	10000
	157	5.9	110.6	201.5	6/6	7600	9600
Three-stage FFL	146	36.1	78.5	189.3	6/10	8000	10000
	157	40.0	82.5	201.1	6/6	7600	9500
	171	44.6	87.0	214.9	6/6	6800	9000
	177	46.5	89.0	220.8	6/6	6600	8500
	189	50.5	92.9	232.6	6/6	6000	7600
	197	55.0	97.4	240.5	6/6	5600	7200
	217	61.5	103.9	260.2	3/6	4400	5800
	236	71.1	113.6	278.3	3/6	3400	4600



We promise, We deliver



AUTHORIZED DEALER

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