NOBLELIFT

3000 - 3500KG

FE4P30/35GY

4-WHEEL LITHIUM ELECTRIC FORKLIFT TRUCK

- Ergonomic
- Battery powerful
- Maintenance easy
- Design robust
- Capacity 3000-3500kg
- High performance
- Best report value for money

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

FE4P30-35GY - PRODUCT FEATURES

// Permanent magnet model

The GY series permanent magnet lithium electric forklift truck (80V and 144V) combines the advantages of lithium-ion technology and permanent magnet synchronous technology. This new range of trucks offers superior performance thanks to a dual permanent magnet synchronous motor system. By optimising coordination between the gearbox, motor and electronic control, energy consumption is reduced by 15-25% compared with AC motors.

// Robust appearance

Inspired by the exterior design of the Q series lithium forklift trucks, the GY series trucks feature a compact structure and an elegant, robust appearance.

// Fast loading

The integrated lithium-ion charging technology allows the battery to be fully charged.
battery in just 2 hours.

// Optimum performance

The high efficiency of the powerful engine torque, combined with a high ratio gearbox, delivers driving speed, lifting speed and gradeability comparable to those of internal combustion forklift trucks.

// Exceptional requirements

The GY model range adopts a premium permanent magnet motor and is equipped with drive axles, steering axles, tyres and mast systems for internal combustion forklifts, meeting the operational requirements of internal combustion forklifts.

FE4P30-35GY - PRODUCT OVERVIEW

FE4P30-35GY mast table

3000-3500kg

Designation	Lift height h3 (mm)	Free lift h2 (mm)	Height of retracted mast h1 (mm)	Deployed mast height h4 (mm)	Forward/backward tilt α / β (°)	Capacity at CDG 500(mm)
						FE4P30Y
Duplex	2000	140	1575	3079	6/10	3000
	2500	140	1825	3579	6/10	3000
	3000	140	2075	4079	6/10	3000
	3300	140	2075	4379	6/10	3000
	3500	140	2325	4579	6/10	3000
	3600	140	2375	4679	6/10	3000
	3700	140	2425	4779	6/10	3000
	4000	140	2625	5079	6/6	2950
	4300	140	2775	5379	6/6	2850
	4500	140	2875	5579	6/6	2600
	5000	140	3125	6079	6/6	2400
Duplex Large free lift	2000	563	1575	3079	6/10	3000
	2500	813	1825	3579	6/10	3000
	3000	1063	2075	4079	6/10	3000
	3300	1213	2225	4379	6/10	3000
	3500	1313	2325	4579	6/10	3000
	3600	1363	2375	4679	6/10	3000
	3700	1413	2425	4779	6/10	3000
	4000	1613	2625	5079	6/6	2950
Triplex Large free lift	4000	988	2000	5079	6/6	2900
	4350	1113	2125	5429	6/6	2700
	4500	1163	2175	5579	6/6	2600
	4800	1263	2275	5879	6/6	2400
	5000	1406	2418	6079	6/6	2300
	5500	1640	2652	6579	3/6	1800
	6000	1873	2885	7079	3/6	1400
	6500	2107	3118	7579	3/6	800
	7000	2273	3284	8079	3/6	600

Designation	Lift height h3 (mm)	Free lift h2 (mm)	Height of retracted mast h1 (mm)	Deployed mast height h4 (mm)	Forward/backward tilt α / β (°)	Capacity at CDG 500(mm)
						FE4P35Y
Duplex	2000	145	1685	3079	6/10	3500
	2500	145	1935	3579	6/10	3500
	3000	145	2185	4079	6/10	3500
	3300	145	2335	4379	6/10	3500
	3500	145	2435	4579	6/10	3500
	3600	145	2485	4679	6/10	3500
	3700	145	2535	4779	6/10	3500
	4000	145	2735	5079	6/6	3300
	4300	145	2885	5379	6/6	3250
	4500	145	2985	5579	6/6	3100
	5000	145	3225	6079	6/6	2650
Duplex Large free lift	2000	491	1575	3079	6/10	3500
	2500	741	1825	3579	6/10	3500
	3000	991	2075	4079	6/10	3500
	3300	1141	2225	4379	6/10	3500
	3500	1241	2325	4579	6/10	3500
	3600	1291	2375	4679	6/10	3500
	3700	1341	2425	4779	6/10	3450
	4000	1541	2625	5079	6/10	3300
Triplex Large free lift	4000	916	2000	5079	6/6	3250
	4350	1041	2125	5429	6/6	3150
	4500	1091	2175	5579	6/6	3000
	4800	1191	2275	5879	6/6	2800
	5000	1334	2418	6079	6/6	2650
	5500	1568	2652	6579	3/6	2200
	6000	1801	2885	7079	3/6	1500
	6500	2034	3118	7579	3/6	900
	7000	2200	3284	8079	3/6	800

FE4P30-35GY 4-wheel lithium electric forklift truck

3000-3500kg

Identification						
1.1	Manufacturer's type designation		FE4P30GY-80	FE4P30GY-144	FE4P35GY-80	FE4P35GY-144
1.2	Transmission: electric (battery or mains), diesel, petrol, manual		electric			
1.3	Type of operation (manual, pedestrian, standing, sitting, o r d e r picking)		base			
1.4	Load capacity/rated load	Q(kg)	3000	3000	3500	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)	478		483	
1.7	Wheelbase	y(mm)	1800	1700	1800	1700
Weight						
2.1	Operating weight with battery	kg	4070	4570	4480	5030
2.2	Axle load, front/rear laden	kg	6390/680	6810/760	7140/840	7660/870
2.3	Axle load, unladen front / rear	kg	1750/2320	2270/2300	1960/2520	2410/2620
Wheels, chassis						
3.1	Type: solid rubber, superelastic, pneumatic, polyurethane		PPS			
3.2	Front tyre size		28x9-15-14PR			
3.3	Rear tyre size		6.50-10-10PR			
3.4	Number of front/rear wheels (x = drive wheels)		2x/2			
3.5	Front track width	b10(mm)	1004			
3.6	Rear track width	b11(mm)	982			
Basic dimensions						
4.1	Mast/fork carriage tilt front/rear	α/β (°)	6/10			
4.2	Height of retracted mast	h1(mm)	2070		2185	
4.3	Free lift	h2(mm)	140		145	
4.4	Basic lift height	h3(mm)	3000			
4.5	Deployed mast height	h4(mm)	4079			
4.6	Height of protective roof (cab)	h6(mm)	2200			
4.7	Seat height / standing height	h7(mm)	1130			
4.8	Hitch height	h10(mm)	580			
4.9	Total length	l1(mm)	3688		3818	
4.10	Length to front of forks	l2(mm)	2618		2748	
4.11	Total width	b1(mm)	1230			
4.12	Fork dimensions	L/l/h(mm)	45/125/1070		50/125/1070	
4.13	Fork carriage width	b3(mm)	1100			
4.14	Loaded ground clearance under mast	m1(mm)	140		145	
4.15	Ground clearance, centre of trolley	m2(mm)	150			
4.16	Aisle width for 1000x1200 pallets crosswise	Ast(mm)	3998		4123	
4.17	Aisle width for pallets 800x1200 in length	Ast(mm)	4198		4323	
4.18	Turning radius	Wa(mm)	2360		2440	
Performance data						
5.1	Travel speed with/without load	km/h	14/15	18/19	14/15	18/19
5.2	Lift speed with/without load	m/s	0.30/0.4	0.40/0.5	0.30/0.4	0.40/0.5
5.3	Lowering speed, loaded/unloaded	m/s	<0.6			
5.4	Traction, loaded/unloaded S2 60 min	N	10000/11000			
5.5	Maximum gradient performance, loaded/unloaded S2 5 min	%	20/25	20/28	20/25	20/28
5.6	Service brake		hydraulics			
Electric motor						
6.1	Traction motor power S2 60 min	kW	15			
6.2	Lifting motor output at S3 15%.	kW	22.6			
6.3	Standard battery		Lithium			
6.4	Battery voltage, nominal capacity K5	V/Ah	76.8/206 *(277/412/460/554) (48/450/500)*	144/206 *(277) optional*	76.8/206 *(277/412/460/554) optional*	144/206 *(277) optional*
6.5	Battery weight	kg	695	760	947	947
Further information						
7.1	Type of drive control		AC			
7.2	Accessory operating pressure	Mpa	17.5			
7.3	Oil volume for accessories	1/min	36			
7.4	Acoustic pressure level to EN 12 053	dB(A)	74			

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