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# Productive & Efficient

## AX SERIES

### 2.5-3.5 TON

# maximal



AX Series Electric Counterbalance Forklift Truck



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## AX SERIES Product Features

### Structure

- Mature and tested structure design is ideal for indoor and outdoor working conditions.
- Ergonomic design and optimized cab improve driving experience.
- Wide view mast provides good front view.
- High and intensive test ensures durability.

### Dynamic system

- Highly integrated power system simplifies high voltage wiring harnesses and reduces failure rate.
- BMS and controllers are equipped with leakage detection system and real-time monitoring which ensures safety.
- High voltage interlock detection and overvoltage detection system will trigger protection state in time for safety.
- High efficiency PMS motor and controller system provides up to 95% working efficiency, and reduces comprehensive energy consumption by 20%.

### Applicability

- IPX4 waterproof rating ensures continuous operation in rainy days.
- The truck can work in -20 ° C cold storage even after 15 hours of parking.
- Lithium battery with automatic heating function ensures timely temperature recovery during discharge and before charging.
- Large tire size and high ground clearance ensures good passing performance on bumpy outdoor roads.

### Other configuration

- Standard curve deceleration function improves truck turning stability and safety performance.
- Standard fast charging interface without opening cover when charging provides convenience.
- LED lights are bright and energy saving.



**AX SERIES** AX SERIES FBAX25-35 Specification

Features	1.1	Manufacturer		HYM	HYM	HYM
	1.2	Model		FBAX25-YWL	FBAX30-YWL	FBAX35-YWL
Weight	1.3	Drive: battery		Battery	Battery	Battery
	1.4	Operator type: seated		Seated	Seated	Seated
	1.5	Rated Capacity	Q (kg)	2500	3000	3500
	1.6	Load center	c (mm)	500	500	500
	1.8	Load Distance	x (mm)	476	491	510
Wheels and tires	1.9	Wheelbase	y (mm)	1600	1700	1700
	2.1	Service weight	kg	3720	4120	4605
	2.2	Axle loading, laden front/rear	kg	5410 / 810	6190 / 930	7013 / 1092
Size	2.3	Axle loading, unladen front/rear	kg	1310 / 2410	1450 / 2670	1565 / 3040
	3.1	Tyres: L = pneumatic, V = cushion, SE = Pneumatic Shape Solid		Pneumatic tire	Pneumatic tire	Pneumatic tire
	3.2	Tire size, front		7.00-12-12PR	28x9-15-15PR	28x9-15-15PR
	3.3	Tire size, rear		6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
	3.5	Number of wheels, front/rear (X=drive wheels)		2x / 2	2x / 2	2x/2
	3.6	Tread, front wheel	b <sub>10</sub> (mm)	970	1000	1000
	3.7	Tread, rear wheel	b <sub>11</sub> (mm)	980	970	970
Performance	4.1	Tilt of mast/fork carriage forward/backward	degrees	6 / 12	6 / 12	6 / 12
	4.2	Height, mast lowered	h <sub>1</sub> (mm)	2010	2150	2150
	4.3	Free lift height	h <sub>2</sub> (mm)	160	165	170
	4.4	Fork lift height	h <sub>3</sub> (mm)	3000	3000	3000
	4.5	Height, mast extended	h <sub>4</sub> (mm)	3990	4100	4100
	4.7	Height of overhead guard	h <sub>6</sub> (mm)	2180	2205	2205
	4.8	Seat height relating to SIP/stand height	h <sub>7</sub> (mm)	1191	1216	1216
	4.12	Coupling height	h <sub>10</sub> (mm)	250	260	260
	4.19	Overall length	l <sub>1</sub> (mm)	3691	3788	3876
	4.20	Length to face of forks	l <sub>2</sub> (mm)	2621	2718	2806
	4.21	Overall width	b <sub>1</sub> (mm)	1150	1228	1228
	4.22	Fork size	s/e/l (mm)	40 / 122 / 1070	45 / 122 / 1070	50 / 122 / 1070
	4.23	Fork carriage ISO 2328, class/type A, B		II A	III A	III A
	4.24	Fork carriage width	b <sub>3</sub> (mm)	1040	1100	1100
	4.31	Ground clearance, laden, below mast	m <sub>1</sub> (mm)	100	115	115
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	102	123	123
4.33	Aisle width for pallets 1000 X 1200 wide	Ast (mm)	4026	4126	4210	
4.34	Aisle width for pallets 800 X 1200 long	Ast (mm)	3826	3926	4010	
4.35	Turning radius	Wa (mm)	2350	2461	2520	
4.36	Internal turning radius	b <sub>13</sub> (mm)	745	830	830	
Motor	5.1	Travel speed, laden / unladen	km/h	15 / 15	15 / 15	15 / 15
	5.2	Lift speed, laden / unladen	mm/s	350 / 390	350 / 380	350 / 380
	5.3	Lowering speed, loaded/unloaded	mm/s	425 / 432	425 / 432	425 / 432
	5.8	Gradeability laden / unladen, 30 minute rating	%	15 / 20	15 / 20	15 / 20
Battery parameters	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
	6.1	Drive motor rating	kW	15	15	15
其他	6.2	Lift motor rating	kW	15	15	15
	6.4	V / Ah (5 hours)	V/Ah	115.2V / 125	115.2V / 125	115.2V / 125
其他	6.5	Battery weight	kg	155	155	155
	10.1	Working pressure of attached tools	MPA	14	14	14
其他	10.7	Noise near the driver's ear	dB (A)	64	64	64

**AX SERIES** FBAX25 Electric forklift truck mast

Mast Type	Specification	Maximal lift Height h <sub>3</sub> (mm)	Mast height			Full Free Lift Height h <sub>2</sub>		Load Distance x (mm)	Mast tilt	
			Lower Height h <sub>1</sub> (mm)	Extended Height h <sub>4</sub>		W/O LBR (mm)	W/ LBR (mm)		Forward (Deg)	Backward (Deg)
W/O LBR (mm)	W/ LBR (mm)									
2 LFL mast	M300	3000	2010	3575	3990	160	160	465	6	12
	M330	3300	2160	3875	4290	160	160	465	6	12
	M350	3500	2260	4075	4490	160	160	465	6	12
	M370	3700	2360	4275	4690	160	160	465	6	6
	M400	4000	2560	4575	4990	160	160	465	6	6
	M450	4500	2810	5075	5490	160	160	465	6	6
	M500	5000	3060	5575	5990	160	160	465	6	6
2 FFL mast	M550	5500	3360	6075	6490	160	160	465	3	6
	M600	6000	3610	6575	6990	160	160	465	3	6
	FM300	3000	2010	3590	3990	1420	1020	480	6	12
	FM330	3300	2160	3890	4290	1570	1170	480	6	12
	FM350	3500	2260	4090	4490	1670	1270	480	6	12
	TFM435	4350	2010	4867	5340	1390	1020	485	6	6
3 FFL mast	TFM450	4500	2060	5017	5490	1440	1070	485	6	6
	TFM480	4800	2160	5317	5790	1540	1170	485	6	6
	TFM500	5000	2260	5517	5990	1640	1270	485	6	6
	TFM550	5500	2425	6017	6490	1800	1430	485	3	6
	TFM600	6000	2610	6517	6990	1990	1620	485	3	6
	TFM650	6500	2825	7017	7490	2215	1835	485	3	6

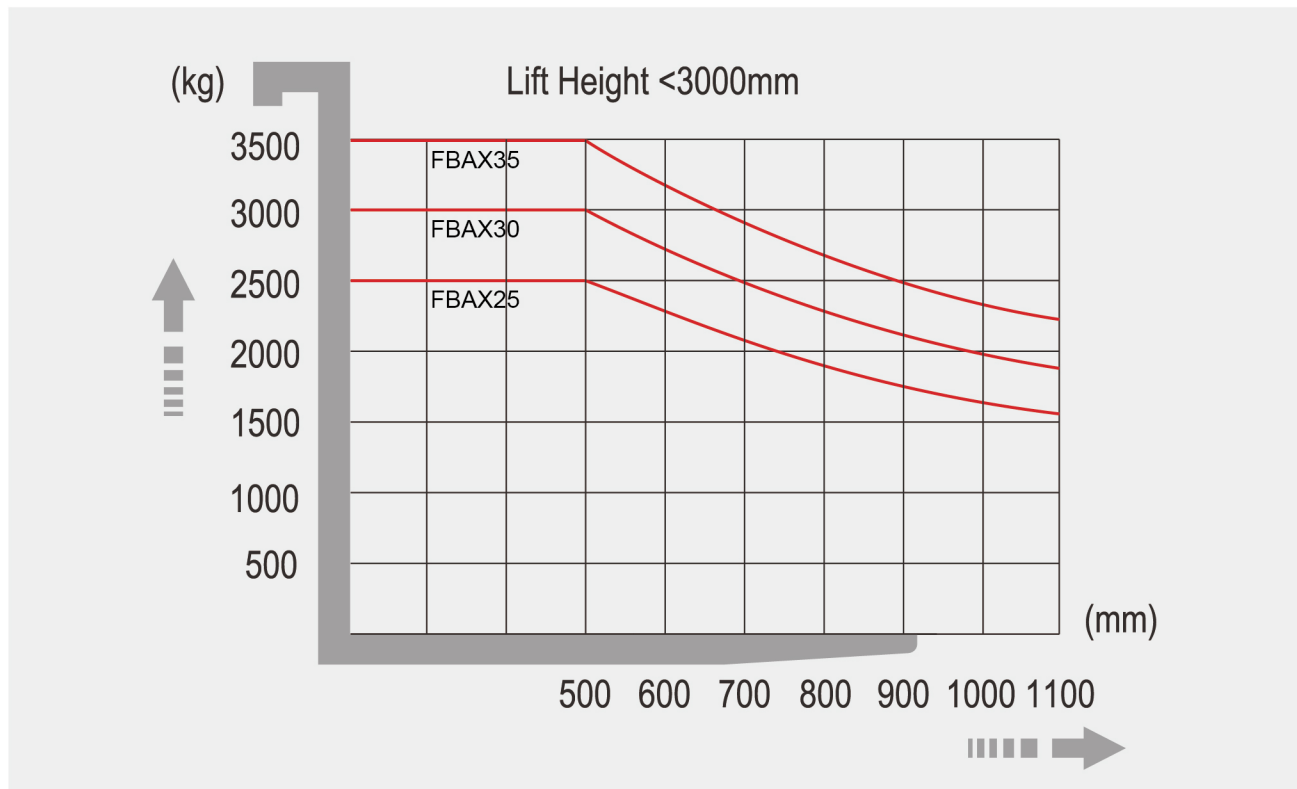
**AX SERIES** FBAX30 Electric forklift truck mast

Mast Type	Specification	Maximal lift Height h <sub>3</sub> (mm)	Mast height			Full Free Lift Height h <sub>2</sub>		Load Distance x (mm)	Mast tilt	
			Lower Height h <sub>1</sub> (mm)	Extended Height h <sub>4</sub>		W/O LBR (mm)	W/ LBR (mm)		Forward (Deg)	Backward (Deg)
W/O LBR (mm)	W/ LBR (mm)									
2 LFL mast	M300	3000	2075	3640	4100	165	165	485	6	12
	M330	3300	2225	3940	4400	165	165	485	6	12
	M350	3500	2325	4140	4600	165	165	485	6	12
	M370	3700	2425	4340	4800	165	165	485	6	6
	M400	4000	2625	4640	5100	165	165	485	6	6
	M450	4500	2875	5140	5600	165	165	485	6	6
	M500	5000	3125	5640	6100	165	165	485	6	6
2 FFL mast	M550	5500	3425	6140	6600	165	165	485	3	6
	M600	6000	3675	6640	7100	165	165	485	3	6
	FM300	3000	2075	3650	4100	1425	975	495	6	12
	FM330	3300	2225	3950	4400	1575	1125	495	6	12
	FM350	3500	2325	4150	4600	1675	1225	495	6	12
	TFM435	4350	2075	4950	5450	1475	975	505	6	6
3 FFL mast	TFM450	4500	2125	5100	5600	1525	1025	505	6	6
	TFM480	4800	2225	5400	5900	1625	1125	505	6	6
	TFM500	5000	2325	5600	6100	1725	1225	505	6	6
	TFM550	5500	2490	6100	6600	1880	1380	505	3	6
	TFM600	6000	2675	6600	7100	2075	1575	505	3	6
	TFM650	6500	2890	7100	7600	2260	1790	505	3	6

**AX SERIES FBAX35 Electric forklift truck mast**

Mast Type	Specification	Maximal lift Height $h_3$ (mm)	Mast height			Full Free Lift Height $h_2$		Load Distance $x$ (mm)	Mast tilt	
			Lower Height $h_1$ (mm)	Extended Height $h_4$		W/O LBR (mm)	W/ LBR (mm)		Forward (Deg)	Backward (Deg)
				W/O LBR (mm)	W/ LBR (mm)					
2 LFL mast	M300	3000	2150	3700	4100	170	170	505	6	12
	M330	3300	2300	4000	4400	170	170	505	6	12
	M350	3500	2400	4200	4600	170	170	505	6	12
	M370	3700	2500	4400	4800	170	170	505	6	6
	M400	4000	2700	4700	5100	170	170	505	6	6
	M450	4500	2950	5200	5600	170	170	505	6	6
	M500	5000	3200	5700	6100	170	170	505	6	6
2 FFL mast	M550	5500	3500	6200	6600	170	170	505	3	6
	M600	6000	3750	6700	7100	170	170	505	3	6
	FM300	3000	2150	3680	4100	1470	1050	515	6	12
	FM330	3300	2300	3980	4400	1620	1200	515	6	12
	FM350	3500	2400	4180	4600	1720	1300	515	6	12
	TFM435	4350	2150	4990	5450	1510	1050	520	6	6
	TFM450	4500	2200	5140	5600	1560	1100	520	6	6
3 FFL mast	TFM480	4800	2300	5440	5900	1660	1200	520	6	6
	TFM500	5000	2400	5640	6100	1760	1300	520	6	6
	TFM550	5500	2565	6140	6600	1915	1455	520	3	6
	TFM600	6000	2750	6640	7100	2110	1650	520	3	6
	TFM650	6500	2965	7100	7600	2290	1830	520	3	6

**AX SERIES FBAX25-35 Electric forklift truck mast**



**AX SERIES FBAX25-35 Specification**

