THE FORKLIFT COMPANY

SAMUK ELECTRIC 2WD ROUGH TERRAIN FORKLIFT

AX SERIES ELECTRIC 2WD ROUGB TERRAIN TRUCKS 1.8 - 3.5T

SAMUK

OUR MANUFACTURER

HYSTER YALE MAXIMAL FORKLIFT CO LTD.
ZHEJIANG, CHINA

Our entire SAMUK forklift range is manufactured at the Hyster Yale Maximal factory.

Here is some information about our manufacturer:

Established in February 2006, Hyster Yale Maximal is situated in the Lushan Industry Area. They specialises in material handling equipment, design and manufacturing. The facility covers a total floor area of 133,334m² and boasts a production capacity of 30,000 units per year. Maximal have acquired 7 national invention patents and more than 70 utility model and appearance patents.

STATE OF THE ART FACILITIES

Maximal houses the below state of the art facilities:
- **Advanced Parts Processing Centre**
- **Robot Welding Equipment**
- **Automatic Hoist Conveyor Lines**
- **Coating Lines**
- **Assembly Lines**
- **Forklift Performance Test Lines**
- **Parts Test-Bed**
- **ERP Information Management System**

M SERIES INTRODUCTION

The M Series is the first generation forklift designed by the Maximal engineering team. The M Series features a world class design thanks to advanced technologies and superior componentry. With its striking appearance, safety and design, the M Series has attracted a worldwide audience.

A SERIES INTRODUCTION

The new A Series forklifts are engineered to provide a higher level of comfort and safety for the driver. The A Series forklifts feature lower noise levels, less vibration and a higher level of safety. Every feature has been carefully designed to ensure an improved driving experience.

SIR NEVILLE BOWMAN-SHAW

We are excited to reintroduce the original budget brand forklift back into the UK market - SAMUK.

Sir Neville Bowman-Shaw built a formidable brand in SAMUK in 1996 during its original guise and we are proud to be at the forefront of bringing this fantastic brand back to the UK market place.

SAMUK

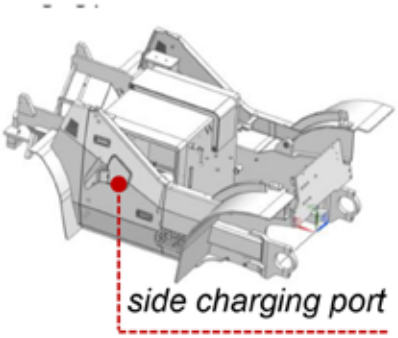
BACKGROUND

With the implementation of fuel emission standards of EUV in Europe and the coming new policy of Stage 5 in Latin America, electrification forklifts are becoming increasingly demanding in the market.

SAMUK commits to the development of electrification products with high cost performance. The SAMUK 2WD Electric Rough Terrain Forklift could not only replace some of EUV / Stage 5 ICE trucks but almost stimulate new market demand from more industries. It can work both indoor and outdoor and will eventually reduce the cost of ownership to users and ehance customer experience.

The Hyster Yale Maximal Factory was the first manufacturer in China to develop rough terrain forklifts and are now a pioneer of electrification rough terrain forklifts holding patents.

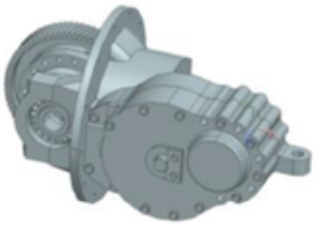
KEY FEATURES



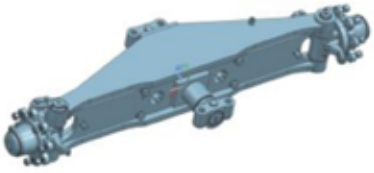
Frame:
The frame of the original ICE Rough Terrain Forklift is inherited to guarantee the stability with a battery compartment and side charging port is added.

Drive axle :
Improved drive axle suitable for both current electric 2WD and future electric 4WD rough terrain forklifts with extraordinary versatility

Gearbox:
20% gradeability due to high-speed ratio gearbox;
Jaw self-locking differential with locking factor 100% guarantees strong off-road performance.



Steering axle :
An angle locator is added to the steering axle to monitor the steering angle in real time to control the speed.
Cylinder protection sleeve is added for muddy field.



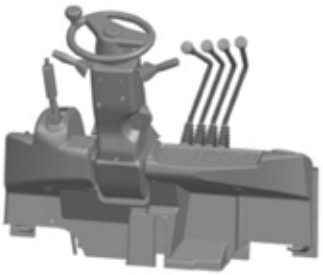
KEY FEATURES

Mast:
Wide view mast with strengthened crossmember effectively improves working efficiency and stability.

Motors:
Permanent magnetic AC synchronous motors increase working efficiency by 15% with better temperature control and smaller dimension and are maintenance free.

Lithium Battery:
High voltage Li-ion battery made by top manufacturer

Operator Compartment:
Integrated front cover together with hydraulic levers and steering system especially designed for AX series electrification forklifts provides better driving experience for operators.



Controller:
Permanent magnetic AC controller provides quicker and more accurate control and multiple protection with waterproof level IP67 for outdoor application.

KEY FEATURES

Foot brake pedal:

Wide foot brake pedal for easier operation

Overhead Guard:

Three-piece overhead guard with hard-connected structure is robust.

Tyres:

Deep pattern and wide vacuum off-road tires are ideal for construction sites, farm lands and other muddy.

High Ground Clearance:

High ground clearance designed for off-road road conditions with departure angle of 30°greatly improves the vehicle trafficability.

SPECIFICATION SHEETS

Distinguishing mark	1.1	Manufacturer		HYM	HYM	HYM
	1.2	Model designation		FBCX18-YT2	FBCX25-YT2	FBCX35-YT2
	1.3	Drive: electric(battery or mains), diesel, petrol, fuel gas		Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seat	Seat	Seat
	1.5	Rated capacity/rated load	Q (kg)	1800	2500	3500
	1.6	Load centre distance	c (mm)	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	509	586	601
	1.9	Wheelbase (with mast vertical)	y (mm)	1880	1880	1880
Weight	2.1	Service weight	kg	3935	4635	5360
	2.2	Axle loading, laden front/rear	kg	5090/695	6250/855	7885/975
	2.3	Axle loading, unladen front/rear	kg	1594/2391	1842/2763	2200/3160
Tyres, chassis	3.1	Tyres: Solid rubber, superelastic, pneumatic, polyurethane		pneumatic	pneumatic	pneumatic
	3.2	Tyre size, front		12-16.5-12PR	12-16.5-12PR	14-17.5-14PR
	3.3	Tyre size, rear		27x10.5-15-14PR	27x10.5-15-14PR	27x10.5-15-14PR
	3.5	wheels, number front/rear		2x2	2x2	2x2
	3.6	Tread, front	b10 (mm)	1125	1250	1250
	3.7	Tread, rear	b11 (mm)	1185	1205	1205

				FBCX18-YT2	FBCX25-YT2	FBCX35-YT2
Dimensions	4.1	Tilt of mast/fork carriage, forward /backward	α /β (°)	10/12	10/12	10/12
	4.2	Height, mast lowered	h1 (mm)	2148	2235	2330
	4.3	Free lift	h2 (mm)	105	160	165
	4.4	Lift	h3 (mm)	3000	3000	3000
	4.5	Height, mast extended	h4 (mm)	4150	4180	4305
	4.7	Height of overhead guard(cabin)	h6 (mm)	2256	2256	2276
	4.8	Seat height/stand height	h7 (mm)	1256	1256	1275
	4.12	Towing coupling height	h10 (mm)	385	385	385
	4.19	Overall length	l1 (mm)	3980	4056	4071
	4.20	Length to face of forks	l2 (mm)	2910	2986	3001
	4.21	Overall width, Std/Dual	b1/b2 (mm)	1440	1590	1600
	4.22	Fork dimensions ISO2331	s/e/l (mm)	35/100/1070	40/122/1070	45/125/1070
	4.23	Fork carriage ISO 2328. Class/type, A/B		ISO 2	ISO 2	ISO 3
	4.24	Fork carriage width	b3 (mm)	1370	1370	1520
	4.31	Ground clearance, laden, below mast	m1 (mm)	240	240	240
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	240	240	260
	4.33	Load dimension b $_{12}$*/$_{6}$ crossways		1000*1200	1000*1200	1000*1200
	4.34	Aisle width with predetermined load dimensions	Ast (mm)	4780	4855	4870
	4.34.1	Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	4780	4855	4870
	4.34.2	Aisle width with pallets 800mm x 1200mm crossways	Ast (mm)	4780	4855	4870
	4.35	Turning radius	Wa (mm)	2870	2870	2870
	4.36	Internal turning radius	b_{13}	1085	1125	1125

SPECIFICATION SHEETS

				FBCX18-YT2	FBCX25-YT2	FBCX35-YT2
Performance data	5.1	Travel speed, laden/unladen	km/h	19/19	19/19	19/19
	5.1.1	Travel speed, laden/unladen, backwards	km/h	16/16	16/16	16/16
	5.2	Lifting speed, laden/unladen	mm/s	550/580	510/540	370/390
	5.3	Lowering speed laden/unladen	mm/s	450/480	450/410	450/450
	5.6	Max. drawbar pull laden/unladen	N	25000/25000	25000/25000	25000/19000
	5.7	Gradeability, laden/unladen	%	35/35	30/30	20/20
	5.9	Acceleration time, laden/unladen	sec	4.95/4.80	5.15/5.00	5.35/5.20
	5.10	Service brake		hydraulic	hydraulic	hydraulic
Electric-Motor	6.1	Drive Motor Rating, S2, 60min	Kw/rpm	2300	2300	2300
	6.2	Lifting motor rating at S3 15%	kW	20	20	20
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		no	no	no
	6.4	Battery voltage/nominal capacity (5hr rate)	V/Ah	153.6/173	153.6/230	153.6/230
	6.5	Battery weight	kg	300	351	351
	8.1	Type of drive unit		PM AC	PM AC	PM AC
Additional data	10.1	Operating pressure for attachments	bar	140	140	140
	10.2	Oil volume for attachments	L	40	40	40
	10.7	Sound pressure level at the driver's seat	dB (A)	67.1/67.1	68.2/68.2	69.3/69.3
	10.7.1	Sound power level during the workcycle	dB (A)	82.5	83.2	84.3
	10.8	Towing coupling, type DIN		PIN	PIN	PIN

HYSTER / YALE / MAXIMAL FACTORY TIMELINE

2005	Dec	Zhejiang Maximal Forklift Co., Ltd was officially established.
2006	Oct	M series forklifts displayed at the 100th Canton fair.
2007	Nov	Maximal phase I project of the new factory finished.
2008	Jan	Structure of electric forklift was further optimized.
	Nov	Maximal was appointed by the General Logistics Department of the People's Liberation Army(PLA) to be supplier for Military Equipment.
2009	Mar	4.0T&5.0T and 8.0-10.0T diesel forklift were launched to enrich M Series.
	May	Maximal started to prepare the R&D of 16.0-18.0T diesel forklift.
2010	Nov	The first 4.5T electric forklift and 25.0T heavy duty forklift were displayed on Shanghai CeMAT.
	Dec	Maximal and Military Transportation University reached
2012		Maximal was honored as "state-level high-tech enterprise".
2013	May	Maximal 2WD 2.5/3.5T Rough Terrain forklift was launched to the market.
	July	Maximal Empty Container Handler was officially developed.
2014	Jun	Maximal electric stackers & pallet trucks were put into market.
	Aug	Maximal 2WD Rough Terrain forklift were extended to 4.0/5.0T.
	Dec	Maximal phase II project was finished.
2015	May	Maximal 3.5T 4WD Rough Terrain forklift was successfully developed. First Reach Stacker successfully was sold in domestic market.
2016	July	Maximal won the Chinese well-known trademark.
	Oct	1.8-3.5T C. 4WD Hydraulic rough terrain forklift was successfully launched.
2018	July	3.5-4.5T Sider-loader forklift was lanuched; Electric forklift with lithium battery started to be developed; 1.6-2.5T A series Reach truck was lanuched.
	June	**Hyster-Yale and Maximal offcially completed its acquisition, Maximal began a new start.**

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SAMUK