



EFL252X5

ELECTRIC COUNTERBALANCE FORKLIFT TRUCK 2.5T

 2500 kg  6000 mm  80 V



The X5 Series is ideal for medium to heavy-duty operations, from manufacturing and construction to logistics centers and outdoor yards. Its pneumatic tires, 150 mm ground clearance, and sealed electrical components enable smooth, safe operation even on uneven or unpaved surfaces. The modular Li-ion battery system allows companies to expand energy capacity from 280Ah to 560Ah, adapting to single-shift, multi-shift, or seasonal high-demand applications without changing the truck setup.

SPECIFICATION	REF	UNIT	VALUE
Battery nominal capacity		Ah	280
Battery voltage		V	80
Load capacity	Q	kg	2500
Load centre distance	c	mm	500
Service weight		kg	3835
Retracted mast height	h ₁	mm	2090
Lift height	h ₃	mm	3000
Height, mast extended	h ₄	mm	4065
Overall length		mm	3590
Overall width	b ₁ /b ₂	mm	1154
Length to face of forks	l ₂	mm	2520
Fork dimensions	s/e/l	mm	40×122×1070
Turning radius		Wa	2270
Operator type			Seated
Load distance, centre of drive axle to fork		mm	495
Wheelbase		mm	1685

Features

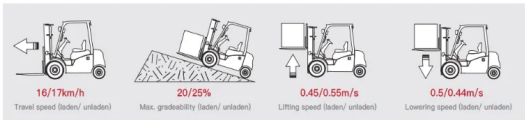
Modular Li-ion battery system for maximum flexibility

The X5 Series introduces a modular battery architecture, allowing operators to install one or two battery modules depending on workload intensity. Each 80V/280Ah unit can be combined to achieve 560Ah total capacity, offering long runtime and seamless power management. This flexibility supports 24/7 operations and makes the X5 adaptable to evolving user needs over time



High performance for productivity boost

Delivering travel speeds up to 17 km/h, lifting speeds up to 0.55 m/s, and gradeability up to 25%, the X5 ensures fast, efficient handling comparable to traditional IC forklifts. Its lithium technology guarantees consistent performance and fast recovery through opportunity charging, enabling maximum uptime in fast-paced operations.



All-terrain capability with 150 mm ground clearance

With pneumatic tires and 150 mm ground clearance, the X5 Series effortlessly manages ramps, potholes, and rough surfaces. The robust undercarriage prevents chassis damage and ensures reliable mobility across mixed terrains, making it a dependable solution for both warehouse and outdoor logistics.



Operator comfort and improved components

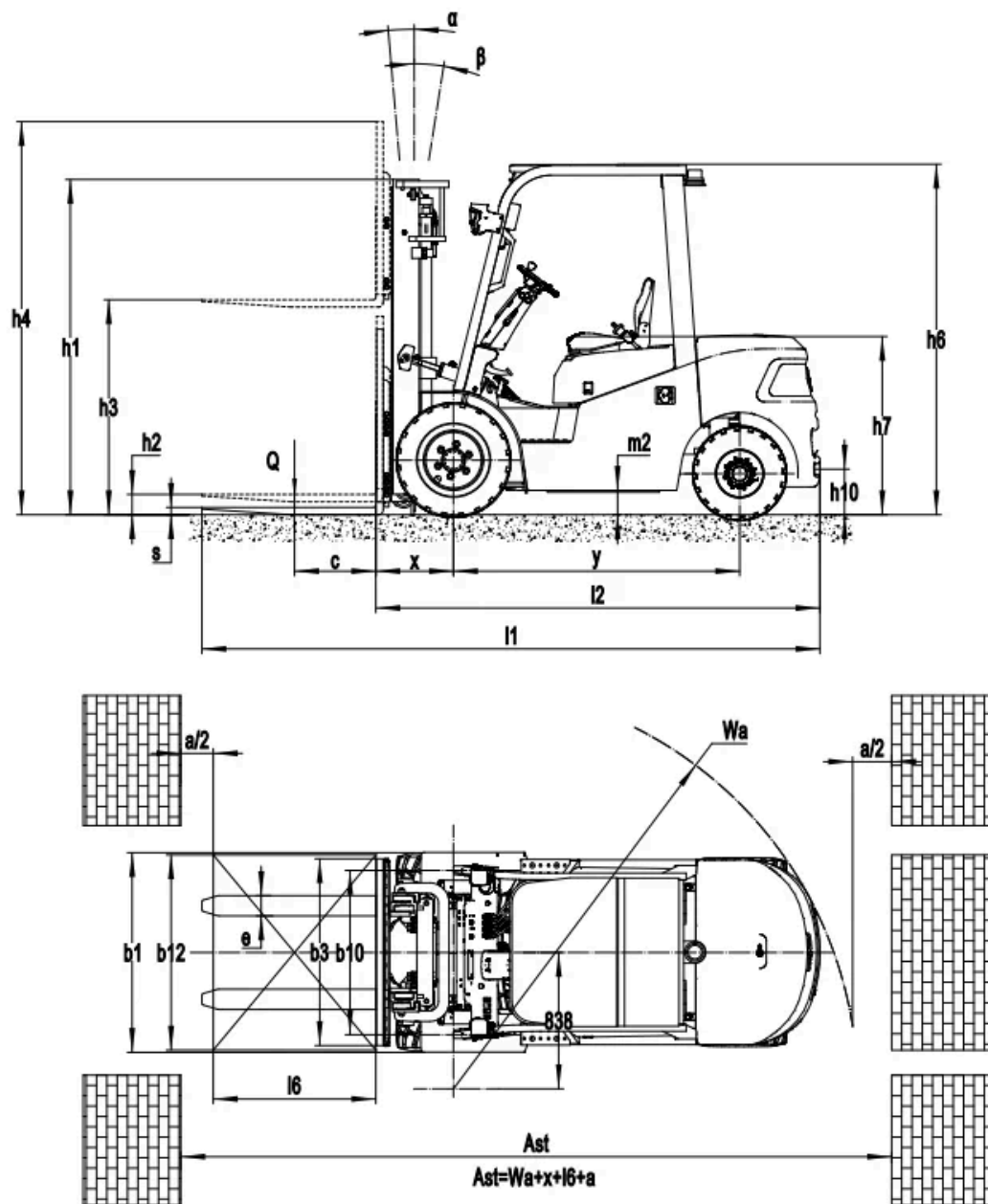
The X5 prioritizes operator safety and comfort with a redesigned cabin, high-visibility mast, ergonomic seat with armrest, wide brake pedal, and large LED display. Enhanced LED front lighting and improved hydraulic controls offer excellent visibility and smooth, precise operation throughout the workday.



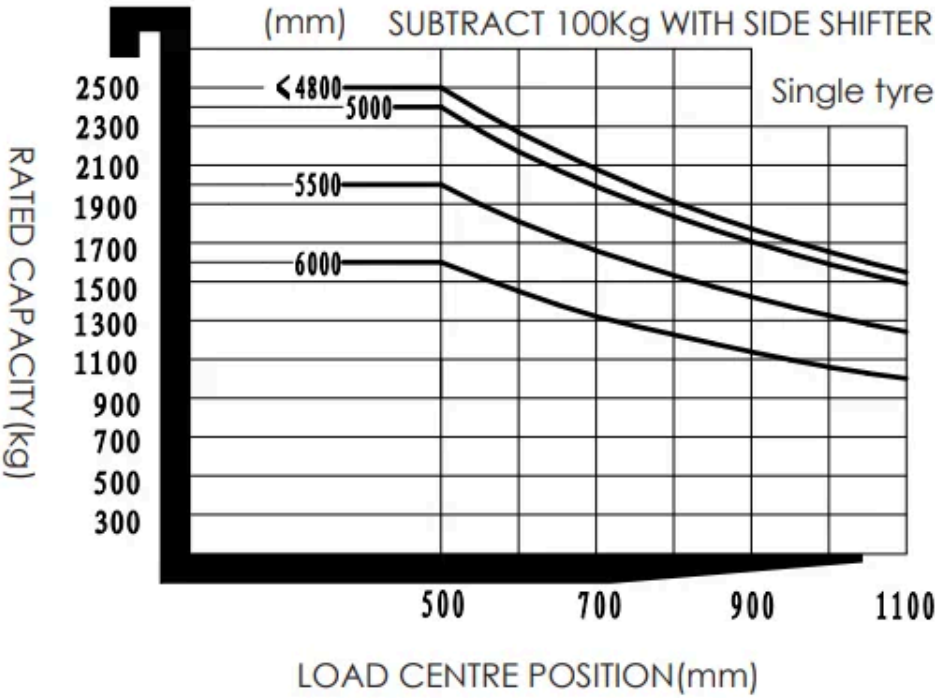
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	2500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	495
1.9	Wheelbase		mm	1685
2.1	Service weight		kg	3835
2.2	Axle loading, laden front/rear		kg	5679/656
2.3	Axle loading, unladen front/rear		kg	1711/2124
3.1	Tyre type			Pneumatic
3.2	Tyre size, front			7.00-12-12PR
3.3	Tyre size, rear			18X7-8-14PR
3.5	Wheels, number front/rear (x=drive wheels)			2x/2
3.6	Tread width, front	b ₁₀	mm	975
3.7	Tread width, rear	b ₁₁	mm	955
4.1	Tilt of mast/fork carriage forward/backward		°	6/10
4.12	Tow coupling height		mm	315
4.19	Overall length		mm	3590
4.2	Retracted mast height	h ₁	mm	2090
4.2.1	Overall height			4065
4.20	Length to face of forks	l ₂	mm	2520
4.21	Overall width	b ₁ /b ₂	mm	1154
4.22	Fork dimensions	s/e/l	mm	40×122×1070
4.23	A,B Fork carriage class/type A, B			2A
4.24	Fork carriage width		mm	1040
4.3	Free lift		mm	195
4.31	Ground clearance, laden, below mast		mm	100
4.32	Ground clearance, centre of wheelbase		mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	3965
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	4165
4.35	Turning radius		Wa	2270
4.4	Lift height	h ₃	mm	3000
4.4.1	Max lift height		mm	6000

	SPECIFICATION	REF	UNIT	VALUE
4.5	Height, mast extended	h_4	mm	4065
4.7	Height of overhead guard (cabin)		mm	2165
4.8	Seat height/standing height		mm	1095
5.1	Travel speed, laden/unladen		km/h	16/17
5.10	Service brake			Hydraulic
5.11	Parking brake			Mechanical
5.2	Lifting speed, laden/unladen		m/s	0.38/0.45
5.3	Lowering speed, laden/unladen		m/s	0.54/0.56
5.8	Max. gradeability, laden/unladen		%	17/25
6.1	Drive motor rating S2 60 min		kW	16
6.2	Lift motor rating at S3 15%		kW	24
6.4	Battery nominal capacity		Ah	280
6.4	Battery voltage		V	80
6.6	Energy consumption according to DIN EN 16796		kWh/h	7.7 ¹⁾
6.7	Turnover output according to VDI 2198			6.85
6.8	Turnover efficiency according to VDI 2198			21.9
8.1	Type of drive control			AC
10.5	Steering design			Hydraulic
10.7	Sound pressure level at the drivers ear		dB(A)	<74



RATED CAPACITIES AND LOAD CENTERES GRAPH



Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	HEIGHT, MAST EXTENDED, NO SHELIVING (H4, MM)	HEIGHT, MAST EXTENDED, WITH SHELIVING (H4, MM)	HEIGHT, FREE LIFT, NO SHELIVING (H2, MM)	HEIGHT, FREE LIFT, WITH SHELIVING (H2, MM)
2-Standard Mast	3000	2090	3595	4060	195	195
2-Standard Mast	3300	2240	3895	4360	195	195
2-Standard Mast	3500	2340	4095	4560	195	195
2-Standard Mast	3600	2390	4195	4660	195	195
2-Standard Mast	4000	2640	4595	5060	195	195
2-Standard Mast	4500	2890	5095	5560	195	195
2-Free Mast	3000	2035	3765	4100	1345	1010
2-Free Mast	3300	2185	4065	4400	1495	1160
2-Free Mast	3600	2335	4365	4700	1645	1310
3-Free Mast	4300	2080	5040	5355	1370	1055
3-Free Mast	4500	2160	5280	5595	1450	1240
3-Free Mast	4800	2265	5580	5895	1555	1325

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	HEIGHT, MAST EXTENDED, NO SHELIVING (H4, MM)	HEIGHT, MAST EXTENDED, WITH SHELIVING (H4, MM)	HEIGHT, FREE LIFT, NO SHELIVING (H2, MM)	HEIGHT, FREE LIFT, WITH SHELIVING (H2, MM)
3-Free Mast	5000	2350	5730	6045	1640	1325
3-Free Mast	5500	2600	6230	6545	1890	1575
3-Free Mast	6000	2850	6730	7045	2140	1825

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	122*40*1070 122*40*920 122*40*1150 122*40*1220 122*40*1370 122*40*1500 122*40*1600 122*40*1700 122*40*1820 122*40*1900 122*40*2000 122*40*2200
Seat type	Comfortable + safety belt switch Seat with armrest with safety belt swich Suspension + safety belt switch
Attachments	Built-in sideshifter External shifter Fork positioner with sideshift Clamp
Traction pin	Yes and not customized
Front wheel material	Pneumatic Normal solid Traceless solid
Rear wheel material	Pneumatic Normal solid Traceless solid
Battery capacity	80V280AH 80V560AH
Charger	80V35A integrated 80V60A integrated 80V60A◦80V100A 80V150A 80V200A (560AH)
Battery display indicator (BDI)	With time Bluetooth without PSE
Area warning lamp	No Both side Both side and rear
Rearview mirror	One in front Two on sides Two on side and one in front
Buzzer	Yes and not customized
OPS system	Yes and not customized
USB interface	USB with A and C type
Telematics	Yes and not customized No
Front lamp	LED
Blue lamp	No Rear Front and rear
Cabin	No Basic half cabin Upgrade half cabin Full cabin
Overhead guard	With tempered glass No
Heating system during lithium battery charging	No Yes and not customized

ITEM	OPTIONS (optional items marked in yellow)
Operator identification device	No Card reader
Lifting electronic limit	No Yes and not customized
Hydraulic control	Mechanical lever Joystick Fingertip
Rear armrest horn	Yes and not customized