

STACKERS FX 12/38

AN EFFICIENT SOLUTION



FX

The FX series is an efficient solution to meet the needs of all the possible warehousing and handling applications. These machines are equipped with the MOSFET electronic control, the separated excited traction motor (SEM) technology and a braking system with energy recovery.

FX12

The FX series stackers unite the GX and LX characteristics. They offer a professional lifting hydraulic system and powerful motorwheels, apart from considerable autonomy thanks to the high capacity batteries.

BATTERY CONNECTOR

Extremely functional thanks to a practical handle performing a double function, i.e.:

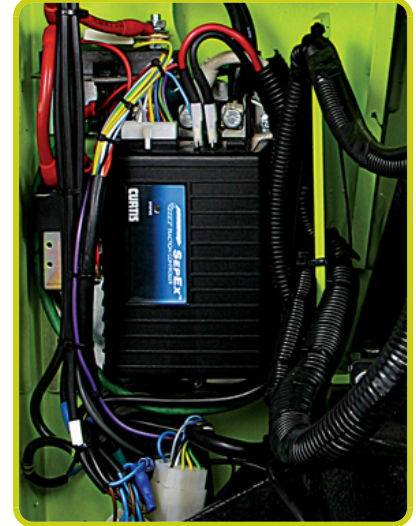
- it connects the battery to an external battery charger;
- it is an emergency control, i.e. it completely stops battery power supply and thus prevents the lifting of forks.

PLATFORM

A platform is also available on the series as an optional part; it is very useful both for covering medium distances and for intensive applications.

CONTROLLER

Traction is electronically controlled by a new generation central unit that exploits MOSFET technology, separated excited traction motor technology (SEM) and electromagnetic braking with energy recovery.



STEERING WHEEL AND CONTROLS

- Butterfly valve for traction control;
- Safety pushbutton with warning buzzer;
- Luminous indicator for battery state control and hour counter indicator.



STACKERS FX 12/38

Description

1.1	Manufacturer			LIFTER
1.3	Drive (Manual/Electric)			ELECTRIC
1.4	Operator type (Pedestrian/Standing)			PEDESTRIAN
1.5	Load capacity	Q	kg	1200
1.6	Load centre distance	c	mm	600
1.8	Load distance, center or drive axle to fork	x	mm	780
1.9	Wheel base	y	mm	1365

Weight

2.1	Service weight, W/O platform - battery included	kg	744
2.1	Service weight, With platform - battery included	kg	NOT APPLICABLE
2.2	Axle load, laden front	kg	684
2.2	Axle load, laden rear	kg	1260
2.3	Axle load, unladen front	kg	521
2.3	Axle load, unladen rear	kg	223

Tyres/Chassis

3.1	Tyres: traction wheel - Front			RUBBER
3.1	Tyres: stabilizers wheels - Front			POLY.C.
3.1	Tyres: rear wheels			POLY.C.
3.2	Tyre size: Traction wheel front - Diameter	mm	250	
3.2	Tyre size: Traction wheel front - Width	mm	76	
3.3	Tyre size: rear wheels - Diameter	mm	82	
3.3	Tyre size: rear wheels - Width	mm	70	
3.3	Tyre size: rear wheels - Q.ty	nr	2	
3.4	Tyre size: stabilizers wheels front - Diameter	mm	125	
3.4	Tyre size: stabilizers wheels front - Width	mm	50	
3.4	Tyre size: stabilizers wheels front - Q.ty	nr	2	
3.6	Tread, front	b10	mm	720
3.7	Tread, rear	b11	mm	410

Dimensions

4.2	Height, mast lowered	h1	mm	2425
4.3	Normal free lifting	h2	mm	80
4.4	Lift height	h3	mm	3710
4.5	Height, mast extended	h4	mm	4270
4.6	Initial lift	h5	mm	NOT APPLICABLE
4.9	Height of tiller in drive position min/max	h14	mm	1390
4.15	Height, lowered	h13	mm	90
4.19	Overall lenght	l1	mm	1955
4.19	Overall lenght with lowered platform (Optional LX-FX series)	l1	mm	2458
4.19	Overall lenght with raised platform (Optional LX-FX series)	l1	mm	2047
4.20	Lenght to face of forks	l2	mm	805
4.20	Lenght to face of forks with lowered platform	l2	mm	1308
4.20	Lenght to face of forks with raised platform	l2	mm	897
4.21	Overall width	b1	mm	850
4.22	Fork dimensions - Thickness	s	mm	70
4.22	Fork dimensions - Width	e	mm	150
4.22	Fork dimensions - Lenght	l	mm	1150
4.24	Fork carriage width	b3	mm	650
4.25	Distance between fork arms	b5	mm	560
4.26	Distance between legs	b4	mm	NOT APPLICABLE
4.32	Ground clearance, centre of wheelbase	m2	mm	20
4.34	Aisle width	Ast	mm	2380
4.34	Aisle width with lowered platform (Optional for LX-FX series)	Ast	mm	2890
4.34	Aisle width with raised platform (Optional for LX-FX series)	Ast	mm	2433
4.35	Turning radius	Wa	mm	1600
4.35	Turning radius with lowered platform (Optional for LX-FX series)	Wa	mm	2110
4.35	Turning radius with raised platform (Optional for LX-FX series)	Wa	mm	1653

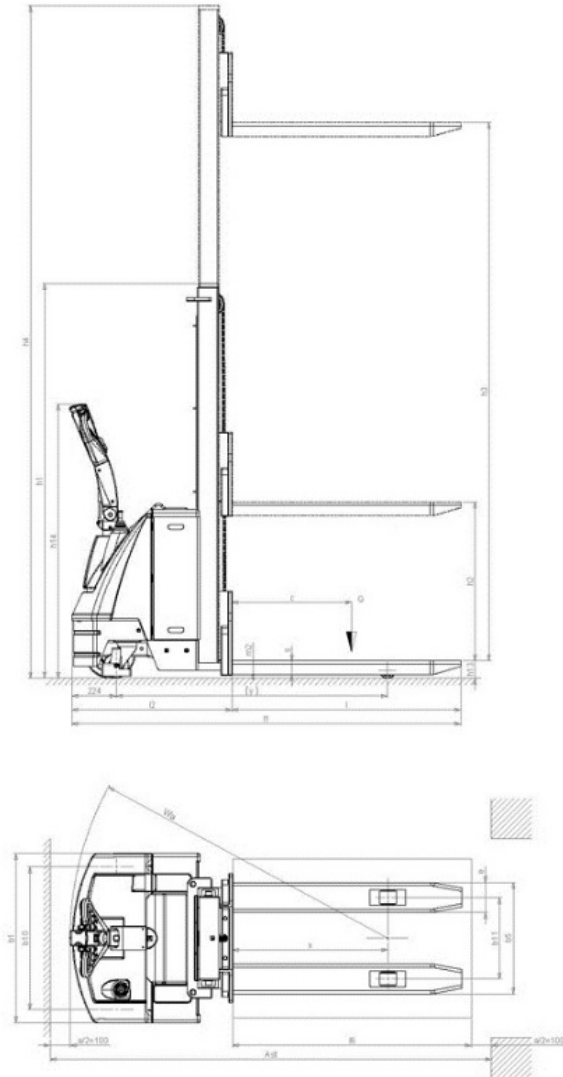
Performance data

5.1	Travel speed laden	km/h	5.5
5.1	Travel speed unladen	km/h	6.0
5.1	Travel speed laden with platform in raised position or with raised forks (Optional for LX-FX series)	km/h	2.5
5.1	Travel speed unladen with platform in raised position or with raised forks (Optional for LX-FX series)	km/h	3.0
5.2	Lifting speed laden	m/s (STROKES)	0.12
5.2	Lifting speed unladen	m/s (STROKES)	0.19
5.3	Lowering speed laden	m/s	0.4
5.3	Lowering speed unladen	m/s	0.1
5.8	Max gradeability laden	%	5
5.8	Max gradeability unladen	%	10
5.10	Service brake	REVERSE CURRENT BRAKING	

Electric motors

6.1	Drive motor power	kW	1.2
6.2	Lift motor power	kW	2.5
6.4	Battery voltage	V	24
6.4	Battery capacity, Min	Ah	180
6.4	Battery capacity, Max	Ah	315
6.5	Battery weight, Min	kg	200
6.5	Battery weight, Max	kg	285
8.4	Sound level at driver's ear	dB (A)	67

*Available with double fork lifting control (optional)



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