

MOV

g solutions



> PRODUCTS RANGE | ENGLISH

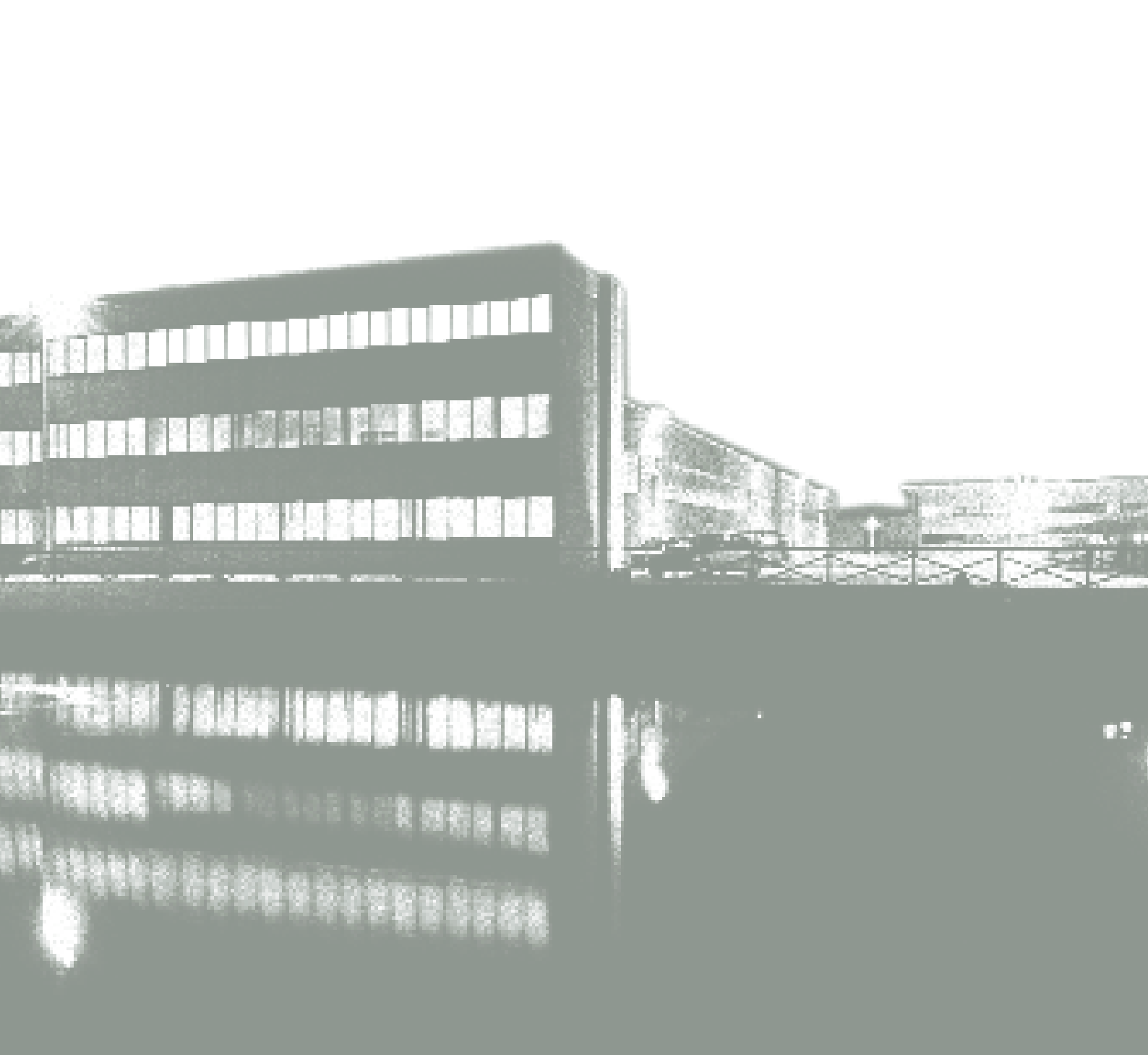


The PRAMAC Group represents a solid industrial reality, from manufacturing to commercialization. Its strong international presence has been consolidated in the generator and material handling markets, through aggressive growth in the most varied and demanding markets.

PRAMAC is a young and dynamic company, that has projected its development and experience, gained by the merger between different production realities, incorporating all efforts in one single objective: to offer better solutions to our clients. Thanks to the combination of team work, the operational flexibility due to the worldwide commercial and manufacturing presence, and the close bond with sport and its values, PRAMAC introduces a new commercial structure, developed to achieve the success each market sector demands.

In the handling area, PRAMAC produces a wide range of manual and electronic equipment, such as pallet trucks and stackers. PRAMAC also offers a Customised Solutions Service, to adapt each product to meet the most severe demands of each special application.





MOV

handling solutions

PRAMAC develops, manufactures and sells a complete range of trucks for internal material handling: manual and electronic pallet trucks and stackers. PRAMAC's high quality production methods are characterised in these machines, using the best design solutions and materials available.

The machines from this line are designed to satisfy every requirement and to exceed the highest standards in reliability due to the quality of the components used along with modern production techniques using advanced technology. During every stage of production, strict controls assure a high and constant quality level. At the end of each assembly line each machine is individually tested.

If they pass the high standards, they are packed and stocked ready for their prompt delivery.



CONFORMS
TO THE EUROPEAN
SAFETY RULES

The strategic objective to exceed the expectations of the customer can only be reached if the products are of the highest possible quality. The PRAMAC Group has taken this on in its philosophy in production. The continual improvement in the company processes, formulated with absolute respect for the environment and the specialised training of its staff, forms part of the Total Safety and Quality programme that the company sets itself. There is a real Safety and Quality Culture inside the company, starting from respect for the environment and regard for the specific regulations. Concrete evidence of this commitment is the certifications that the company has obtained on both the European level and extra-European level.



Special offer on an engine kit



On-line spare parts
order and interactive
spare parts catalogues

Planned preventive maintenance



Personalised
solutions with 24/7
on call service

Service support

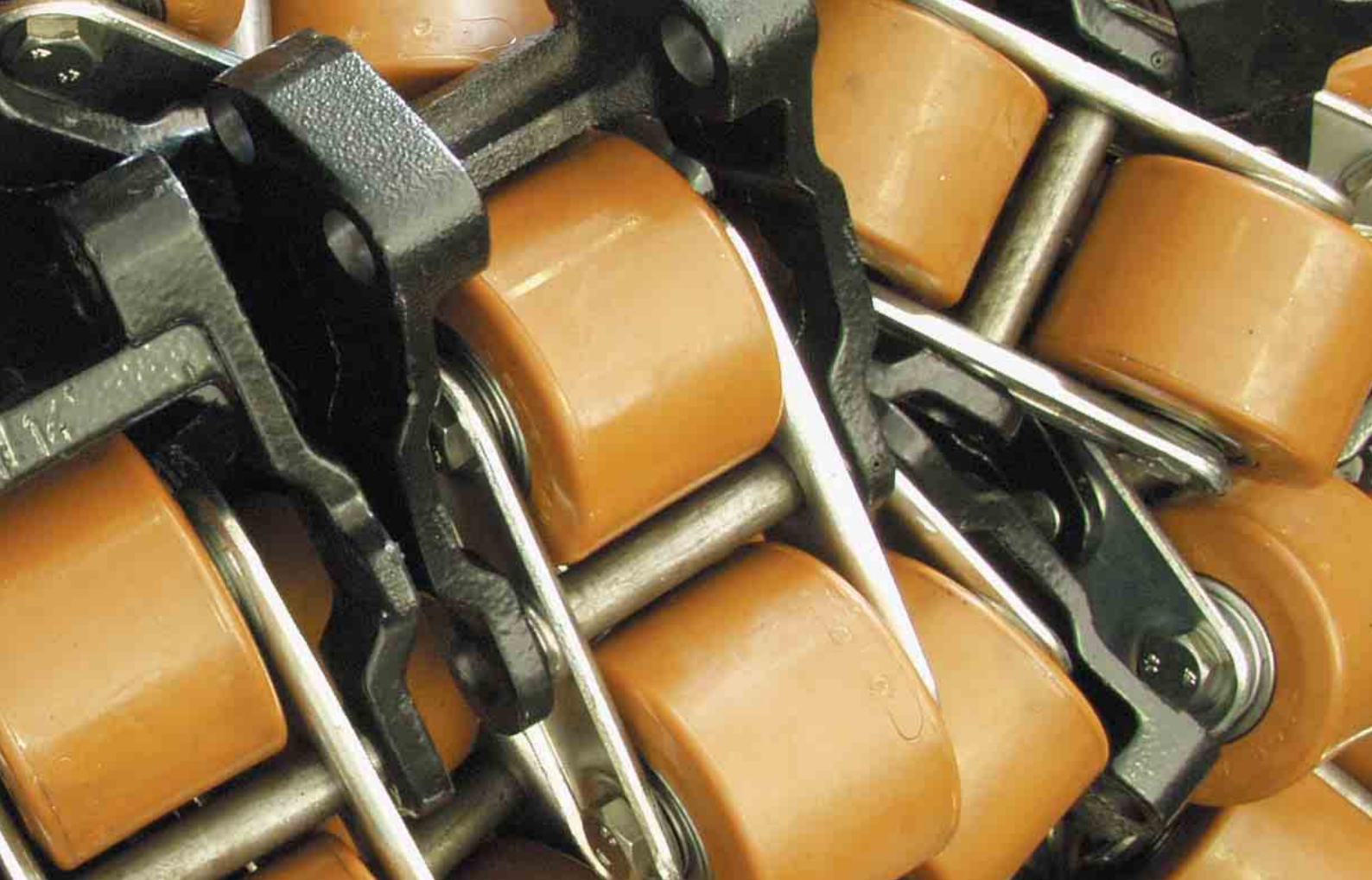


Installations
and commissioning

Training program



Dedicated training
program for users,
maintenance,
and after sales service



SERVICE AND PARTS

PRAMAC Service and Parts represents PRAMAC's commitment to Customer Care and Satisfaction.

The creation of a highly specialised business unit, completely devoted to After Sales Customer Service, proves the PRAMAC intent to support its Customers at every stage of the professional relationship.

On top of this, an incredible wide range of spare parts and components, with highly trained, professional staff, is what the PRAMAC Service and Parts division offers, answering requests from Customers all around the world. Attention to detail and consideration of users requirements is the core of an efficient after sales service.

The focus and motto of the Service and Parts division is: *Our Customers are Our First Priority.*

Our activity is the corner stone that makes our products valuable. For this reason we develop special actions for our dealer customers and end users, giving support through schedule maintenance programs, installation and commissioning services, training activities, and a constant, active support through our website:

www.pramacparts.com

PRODUCT RANGE

HAND PALLET TRUCKS



GS PRO
Capacity (t): 2.5
■ ■ ■ ■ ■

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GS SPECIAL
Capacity (t): 2.0 - 2.5
■ ■ ■ ■ ■

pag. 12



GS PREMIUM
Capacity (t): 2.5
■ ■ ■ ■ ■

pag. 14



GS MISTER HYDRO
Capacity (t): 2.5
■ ■ ■ ■ ■

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SCALES



SCALES
Capacity (t): 2.0 - 2.5
■ ■ ■ ■ ■

pag. 18

HIGH LIFT PALLET TRUCKS



HX10M
Capacity (t): 1.0
■ ■

pag. 20



HX10E
Capacity (t): 1.0
■ ■

pag. 22

ELECTRIC PALLET TRUCKS



CX14
Capacity (t): 1.4
■ ■ ■

pag. 24



QX18
QX20
Capacity (t): 1.8 - 2.0
■ ■ ■ ■

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QX20P
Capacity (t): 2.0
■ ■ ■ ■

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ELECTRIC PALLET TRUCKS



OX22

Capacity (t): 2.2



pag. 30

MANUAL STACKERS



MX

Max Elevation (m): 1.6



Capacity (t): 0.5 - 1.0



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SEMIELECTRIC STACKERS



TX

Max Elevation (m): 3.5



Capacity (t): 1.0 - 1.2



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ELECTRIC STACKERS



GX

Max Elevation (m): 3.5



Capacity (t): 1.0 - 1.2



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GX STRADDLE TX STRADDLE

Max Elevation (m): 3.8



Capacity (t): 1.0 - 1.2



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ELECTRIC STACKERS



FX

Max Elevation (m): 3.8



Capacity (t): 1.2



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LX12

LX16

Max Elevation (m): 3.5



Capacity (t): 1.2 - 1.6



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LX14 TRIPLEX

Max Elevation (m): 5.0



Capacity (t): 1.4



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STACKERS

Residual lifting capacity

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SPECIAL HANDLING SOLUTIONS

pag. 48



**special
handling
solutions**

See chart at pag. 48



CUSTOMISED

PRAMAC focus is always to provide the customer with the best solution to meet his needs. That's why PRAMAC has decided to create a Special Solutions line focusing all its professional experience towards better solutions.

Further to the quality of the standard production, PRAMAC Special Solutions provides the flexibility and versatility of customised solutions.

PRAMAC has some of the most experienced and knowledgeable people in this industry.

Thanks to the excellent mix between human know-how, its high technology and its long experience, PRAMAC can develop unique and effective solutions to satisfy the specific requirements of our customers.



KNOW HOW, INNOVATION,
DESIGN AND QUALITY

GS PRO

MAKING THE LOAD LIGHTER

The GS Pro Series, is an excellent tool for lifting and carrying loads on pallets or size-standardised containers. Thanks to its light weight, smooth movement and manoeuvrability, all the GS Series models are an ideal working tool for use on smooth floors and other kinds of surfaces.



special
handling
solutions

See chart at pag. 48



Maximum pressure valve

- When maximum load capacity is exceeded, the oil pressure exceeds its maximum limit and the valve automatically stops the forks from lifting. This prevents possible structural damage.



Painting

- The base, following conditioning, is painted with a tough polyester coating at 250°C. This gives a high quality finish, and awards greater resistance to daily wear-and-tear, and atmospheric damage.

CAPACITY 2.5 T



Rollers

- The nylon rollers guarantee safe and smooth rolling. The optional polyurethane rollers provide excellent silent movement, and prevent damage even to the most delicate floors.



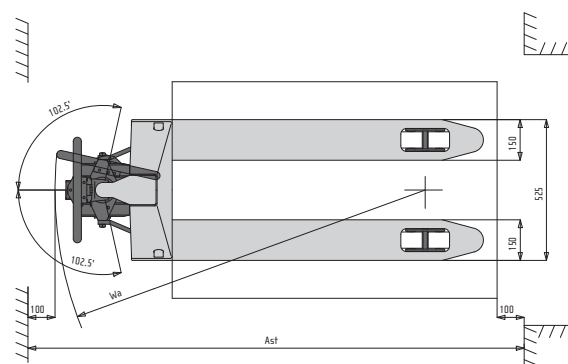
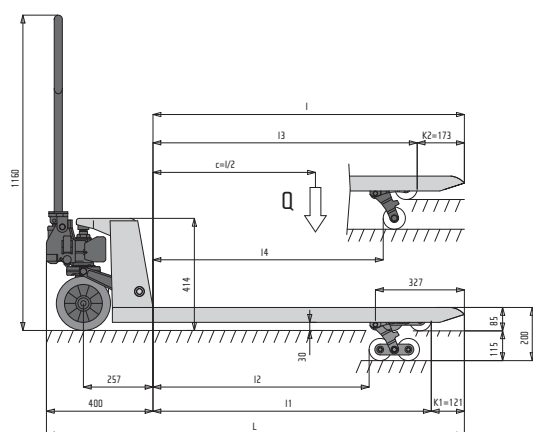
Wheels

- The hand pallet trucks of this series have big wheels (Ø200x50 mm) to reduce handling effort.

CODE		GF541000000	GF841000000	GF501000000	GF801000000	GF511000000	GF811000000	GF521000000	GF821000000	GF561000000	GF861000000
MODEL		25 52	25 54	25 52	25 54	25 52	25 54	25 52	25 54	25 52	25 54
CAPACITY	kg	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
ROLLERS	N°/*	2/N	4/N	2/N	4/N	2/N	4/N	2/N	4/N	2/N	4/N
WHEELS	*	G	G	G	G	G	G	G	G	G	G
DIMENSIONS											
FORK LENGTH	mm	1150	1150	800	800	950	950	1000	1000	1220	1220
FORK WIDTH	mm	525	525	525	525	525	525	525	525	525	525
HEIGHT FROM THE FLOOR MIN/MAX	mm	85/200	85/200	85/200	85/200	85/200	85/200	85/200	85/200	85/200	85/200
WEIGHT	kg	63	67	53	57	56	60	59	63	65	69
OPTIONAL											
OPTIONAL ROLLERS IN POLYURETHANE		GZ000500000	GZ000500002	GZ000500000	GZ000500002	GZ000500000	GZ000500002	GZ000500000	GZ000500000	GZ000500000	GZ000500002
OPTIONAL WHEELS IN POLYURETHANE		GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004
OPTIONAL HAND OPERATED BRAKE		GZ000500005	GZ000500005	GZ000500005	GZ000500005	GZ000500005	GZ000500005	GZ000500005	GZ000500005	GZ000500005	GZ000500005

* G=Rubber, N=Nylon

I	mm	800	950	1000	1150	1220
I1	mm	679	829	879	1029	1099
I2	mm	450	600	650	800	870
I3	mm	627	777	827	977	1047
I4	mm	500	650	700	850	920
L	mm	1200	1350	1400	1550	1620
Wa	mm	1019	1168	1218	1367	1437
As†	mm	1484	1633	1683	1832	1902



The producer reserves the right to introduce changes to models and features without prior notice.

GS SPECIAL FIT ALL YOUR NEEDS

The GS Special series, available in several versions, is the ideal working tool for moving nearly all sizes of pallet. Suitable for smooth floors or other kinds of surfaces, these pallet trucks guarantee easy and light manoeuvrability.



**special
handling
solutions**

See chart at pag. 48



Tie-rod

- The steel tie-rods and reinforced forks give the pallet truck a greater strength, giving a good lifting capacity even for the longer sizes.



Rollers

- The GS20 54/B version comes with low profile, reduced diameter steel rollers and 2000Kg load capacity.



CAPACITY 2.0 T / 2.5 T



Wheels

- The hand pallet trucks of this series have big wheels (Ø200x50 mm) to reduce handling effort.

GS PREMIUM SMOOTH WITH FRAGILE

The GS Premium Series, available in several versions, distinguishes itself with its great ease of use. It's a reliable, safe and suitable working tool to carry fragile and delicate loads like crystal, glass and ceramics, thanks to the lowering control system.



special
handling
solutions

See chart at pag. 48



Covered handle

- All the controls (lowering / neutral / lifting) are available in a single lever for simple and safe control, with a two speed lowering control.
- Ergonomic and covered handle for operator comfort, reducing lifting and rolling effort.



Steel rollers

- Supplementary rollers allow an easier entrance and a quicker exit from a closed pallet, reducing the impact on the main rollers and guaranteeing a longer life.
- Polyurethane rollers as standard.

CAPACITY 2.5 T

Two speed lowering control

5 YEARS WARRANTY* AND 50.000 CYCLES
CERTIFICATION ON THE HYDRAULIC PUMP

*Using original PRAMAC Oil. For further details see maintenance instruction book



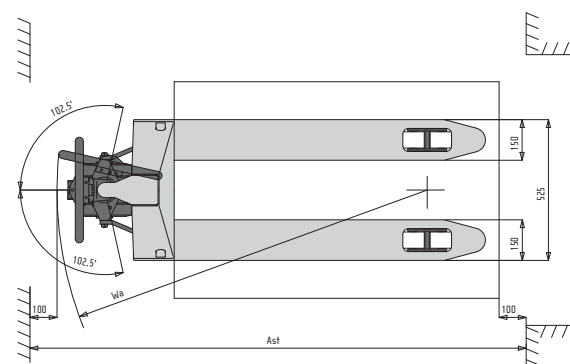
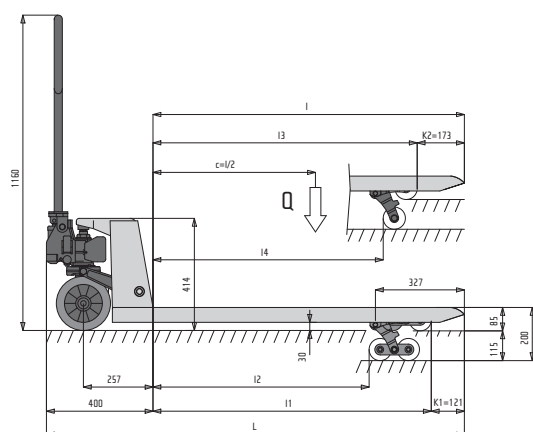
Balancing wheels

- The balancing wheels adapt easily to every kind of surface, guaranteeing great practicality and manoeuvrability in all applications even with heavy loads.

CODE		G05410V0000	G0B410V0000	G05010V0000	G0B010V0000	G05110V0000	G0B110V0000	G05450V0000	G0B450V0000
MODEL		25 52	25 54	25 52	25 54	25 52	25 54	25 52/L	25 54/L
CAPACITY	kg	2500	2500	2500	2500	2500	2500	2500	2500
ROLLERS	N°/*	2/P	4/P	2/P	4/P	2/P	4/P	2/P	4/P
WHEELS	*	G	G	G	G	G	G	G	G
DIMENSIONS									
FORK LENGTH	mm	1150	1150	800	800	950	950	1150	1150
FORK WIDTH	mm	525	525	525	525	525	525	685	685
HEIGHT FROM THE FLOOR MIN / MAX	mm	85/200	85/200	85/200	85/200	85/200	85/200	85/200	85/200
WEIGHT	kg	64	68	54	58	57	61	71	75
OPTIONAL									
OPTIONAL WHEELS IN POLYURETHANE		GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004	GZ000500004
OPTIONAL HAND OPERATED BRAKE		GZ000500006	GZ000500006	GZ000500006	GZ000500006	GZ000500006	GZ000500006	GZ000500006	GZ000500006

* G=Rubber, P=Polyurethane | Polyurethane load rollers as standard

I	mm	800	950	1150
I1	mm	679	829	1029
I2	mm	450	600	800
I3	mm	627	777	977
I4	mm	500	650	850
L	mm	1200	1350	1550
Wa	mm	1019	1168	1367
As†	mm	1484	1633	1832



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GS MISTER HYDRO

GALVANISED AND STAINLESS STEEL



special
handling
solutions

See chart at pag. 48

Mr Hydro Series, available in several versions, is the ideal machine to be used in humid or damp conditions. It is suitable for all applications where high hygienic standards, such as chemical, pharmaceutical and food & beverage industries, are enforced.



Hydraulic pump

- In the stainless series, the hydraulic pump - in order to guarantee the maximum endurance in humid or damp conditions - is built with the same sea-bronze material used for ship propellers.



Electric polishing

- The electric polishing process provides an esthetic appeal, and with treatment that eliminates deterioration typical of models with standard painting, guarantees maximum hygiene.



CAPACITY 2.5 T



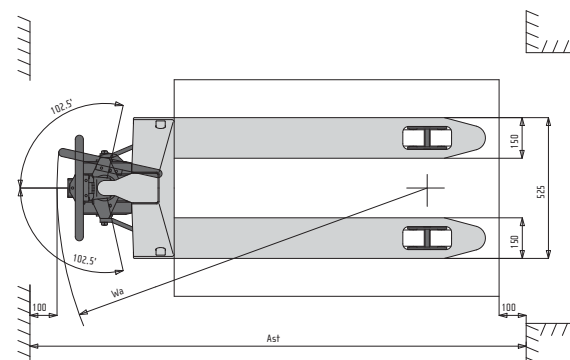
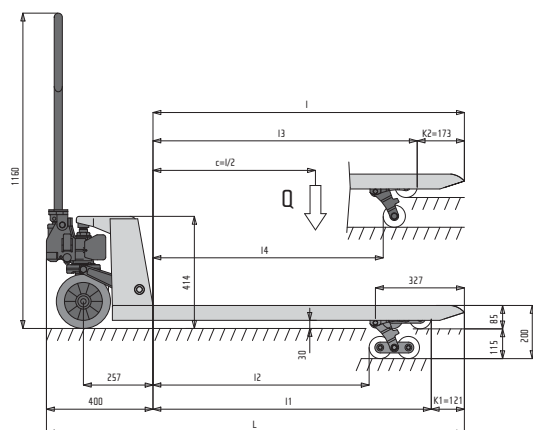
Grease Nipples

- The Stainless Steel model has articulated joints fitted with grease nipples for simple lubrication.

CODE		GK541000000	GK841000000	GK501000000	GK801000000	GK865000000	GL541000000	GL841000000	GR541000000	GR841000000
MODEL		25 52/G	25 54/G	25 52/G	25 54/G	25 54/G	25 52/X	25 54/X	25 52/I	25 54/I
CAPACITY	kg	2500	2500	2500	2500	2500	2500	2500	2500	2500
ROLLERS	N°/*	2/N	4/N	2/N	4/N	4/N	2/NE	4/NE	2/NE	4/NE
WHEELS	*	N	N	N	N	N	NE	NE	NE	NE
DIMENSIONS										
FORK LENGTH	mm	1150	1150	800	800	1220	1150	1150	1150	1150
FORK WIDTH	mm	525	525	525	525	685	525	525	525	525
HEIGHT FROM THE FLOOR MIN / MAX	mm	85/200	85/200	85/200	85/200	85/200	85/200	85/200	85/200	85/200
WEIGHT	kg	66	70	56	60	79	66	70	66	70
FRAME										
WORKING CONDITION	°C	-12/+50	-12/+50	-12/+50	-12/+50	-12/+50	-30/+50	-30/+50	-30/+50	-30/+50
PUMP	type	galvanized	galvanized	galvanized	galvanized	galvanized	galvanized	galvanized	bronze	bronze
FRAME	type	galvanized	galvanized	galvanized	galvanized	galvanized	stainless	stainless	stainless	stainless
TIE-ROD	type	galvanized	galvanized	galvanized	galvanized	galvanized	galvanized	galvanized	stainless	stainless
TIE BAR	type	galvanized	galvanized	galvanized	galvanized	galvanized	galvanized	galvanized	stainless	stainless
HANDLE	type	galvanized	galvanized	galvanized	galvanized	galvanized	stainless	stainless	stainless	stainless

* N=Nylon, NE=Nylon Extra (Nylon with sealed bearing)

I	mm	800	1150	1220
I1	mm	679	1029	1099
I2	mm	450	800	870
I3	mm	627	977	1047
I4	mm	500	850	920
L	mm	1200	1550	1620
Wa	mm	1019	1367	1437
Ast	mm	1484	1832	1902



The producer reserves the right to introduce changes to models and features without prior notice.

SCALES

INTELLIGENT WEIGHING SYSTEM



special
handling
solutions

See chart at pag. 48

The Scale Series is available in two different models, both with an intelligent weighing device with several options. Suitable for lifting and carrying heavy loads, this Series is not designed for "official" weighing but is extremely helpful for internal use.



Display

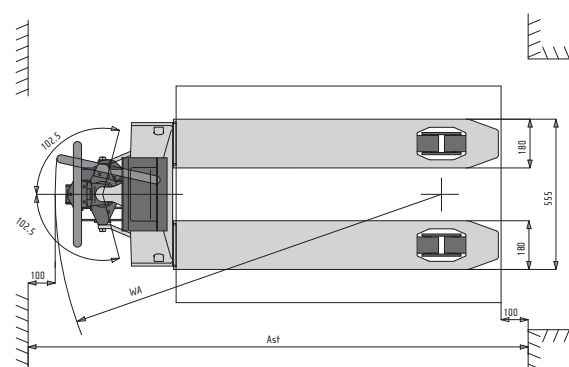
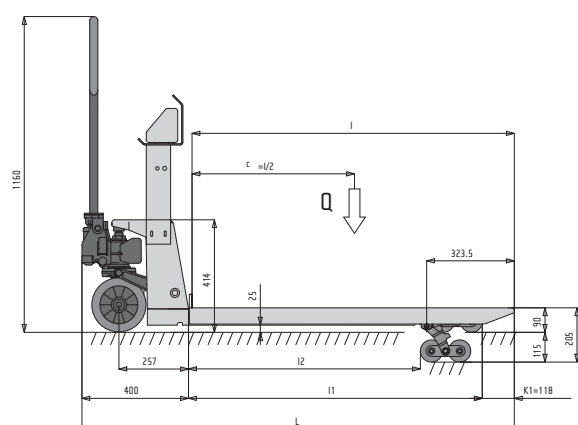
- The central display allows a quick and simple reading of the carried weight. Its software allows not only weighing but also unit counting, adding and totalling of multiple loads, with serial number that can be stored within its memory.



G5/P 25 stainless

- The G5/P 25 model is also available in a Stainless Steel version ideal to be used in humid or damp conditions. It is suitable for all applications where high hygienic standards are enforced.

* G=Rubber, P=Polyurethane, NE=Nylon Extra (Nylon with sealed bearing)



The producer reserves the right to introduce changes to models and features without prior notice.

HX10M

STRENGTH IN THE MANUAL LIFTING

The HX 10M series allows easier and lighter manual lifting up to a height of 800mm, creating a useful workbench suitable for places like mechanical workshops. It can also be used to support other machines in production, picking and similar areas.



**special
handling
solutions**

See chart at pag. 48



Control lever

- All the controls (lowering / neutral / lifting) are available in a single lever for simple and safe control.



Front stabilizers (optional)

- The front stabilizers improve its balance, making the work easier even when lifting and working with heavy loads.



Rear stabilizers

- At a height of over 400mm, the rear stabilizers make the HX 10M a very safe and steady working platform, preventing rocking and movement in all directions.

CODE	GT042000000			GT044000000
MODEL	HX 10M			HX 10M
CAPACITY	Q	Load capacity	Kg	1000
DRIVING SYSTEM		Escort	type	•
DIMENSIONS				
ELEVATION	h3	Total elevaton	mm	800
	h2	Normal free elevation	mm	400
		Forks lowered height	mm	85
LENGTH	l	Fork length	mm	1150
	nx51	Fork width x thickness	mm	160x48
	L	Total Length	mm	1526
	B	Width	mm	540
WEIGHT		Empty weight	kg	104
TURNING RADIUS	Wa		mm	1340
STOWAGE PASSAGE	Ast	800x1200	mm	1840
PERFORMANCES				
SPEED		Lifting with/without load	Nr	69/26
		Descent with/without load	m/s	0,06/0,04
WHEELS				
		Driver / load side	Nr	2/2
		Driver / load side	*	P/P

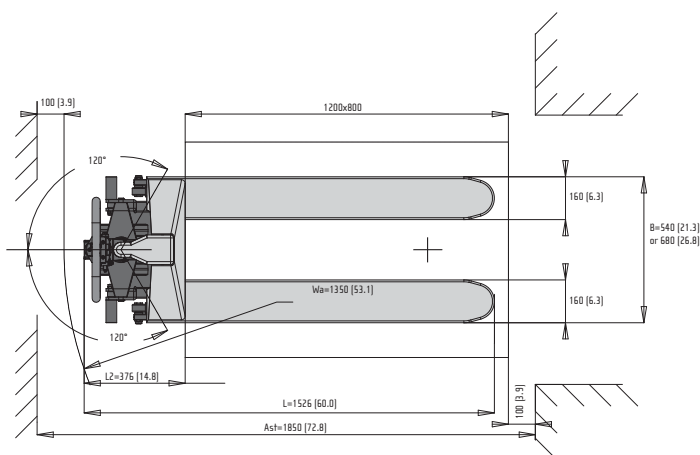
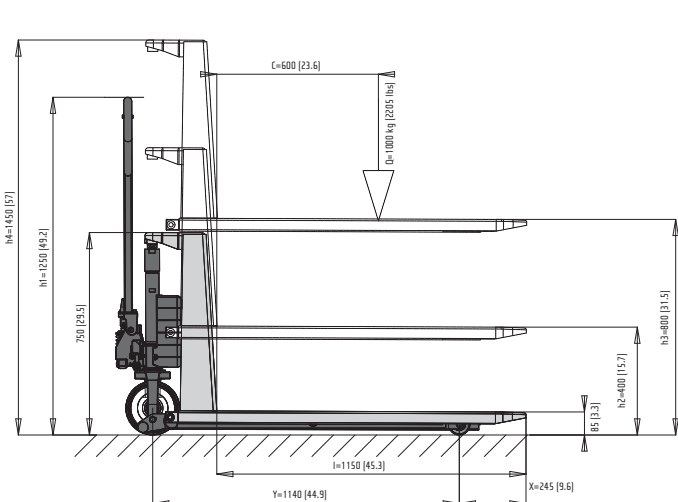
* G=Rubber, P=Polyurethane | Polyurethane load rollers as standard

OPTIONALS

FRONT STABILIZERS

CODE

EZ000500002



The producer reserves the right to introduce changes to models and features without prior notice.

HX10E

STRENGTH IN THE ELECTRIC LIFTING



special
handling
solutions

See chart at pag. 48

The HX 10E series offers great reliability and practicality thanks to the innovative new frontal protection and the reduced weight. The truck allows electric lifting of weights to a height of 800mm, it creates a useful adjustable working platform suitable for places such as workshops. It can also be used to support other machines in production, picking and similar areas.



Auto Levelling System

- An automatic system that uses sensors to adjust the forks, maintaining a constant working height.
- An acoustic-visual signal represents every movement of the forks.
- Possibility of regulation of the photo cell both in height and in the reading angle.
- A micro switch disconnects the power if the forks should stop running during lifting or lowering - both to reduce the battery energy consumption and to safeguard the operator.

BATTERY AND EXTERNAL CHARGER
AS STANDARD



Charger built-in

- It is also available the version coming with charger built-in.



Front protection

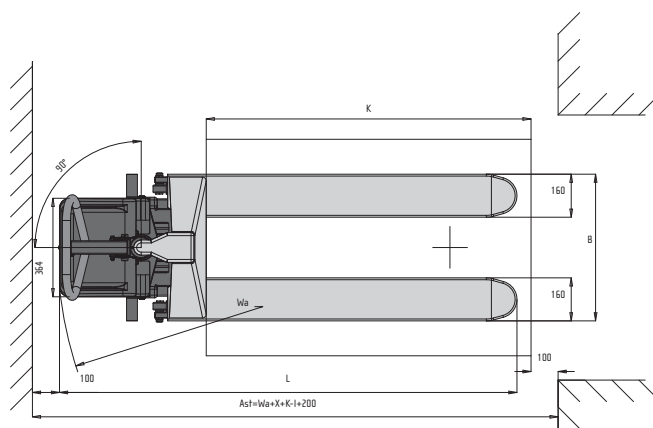
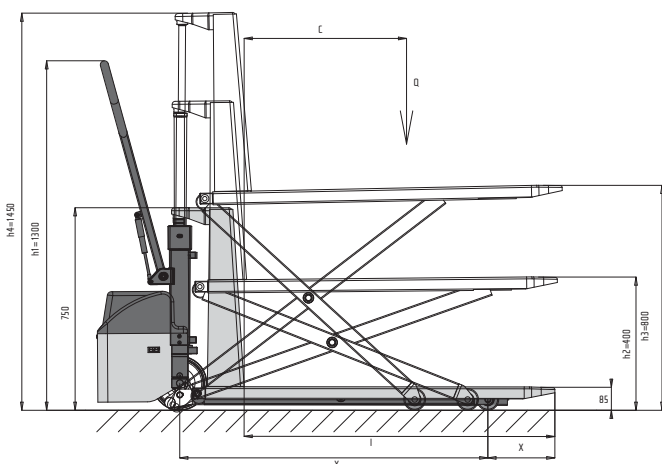
- Smaller dimensions allowing operator foot safety.
- Formed steel cover shielding wheels and the hydraulic unit.
- Protective top cover made in ABS shock resistant plastic.
- Shielding the battery.
- Redesigned and improved battery support.

CODE			EF042000000	EF044000000	EF092000000	EF082000000
CODE UK			EF042400000	EF044400000	EF092400000	EF082400000
MODEL			HX 10E	HX 10E	HX 10E	HX 10E
TYPE			1150x540	1150x680	1500x540	2000x540
CAPACITY	Q	Load capacity	Kg	1000	1000	1000
CENTER OF GRAVITY	C		mm	600	600	762
DRIVING SYSTEM		Escort	Type	•	•	•
DIMENSIONS						
ELEVATION	h3	Total elevation	mm	800	800	800
	h2	Normal free elevation	mm	400	400	400
		Forks lowered height	mm	85	85	85
LENGTH	l	Fork length	mm	1150	1150	1500
	nx51	Fork width x thickness	mm	160x48	160x48	160x48
	L	Total Length	mm	1685	1685	2059
	B	Width	mm	540	680	540
WEIGHT		Empty weight (battery included)	kg	141	148	237
TURNING RADIUS	Wa		mm	1445	1445	1819
STOWAGE PASSAGE	Ast	800x1200	mm	1945	1945	2265
PERFORMANCES						
SPEED		Lifting with/without load	m/s	0,08/0,13	0,08/0,13	0,08/0,13
		Descent with/without load	m/s	0,13/0,06	0,13/0,06	0,13/0,06
WHEELS						
		Driver/load side	Nr	2/2	2/2	2/2
		Driver/load side	*	G/P	G/P	G/P
ELECTRICAL EQUIPMENT						
BATTERY		Voltage / capacity	V/Ah	12/60	12/60	12/60
CHARGER		Voltage / capacity	V/Ah	12/10	12/10	12/10
ELECTRIC MOTOR		Lifting motor	kW	1,6	1,6	1,6

* G=Rubber, P=Polyurethane | Polyurethane load rollers as standard

OPTIONALS	
AUTOLEVELLING SYSTEM	
CODE	EZ000500005
GEL VERSION*	
CODE	EZ000500006
CODE UK	EZ000500007
CHARGER BUILT-IN*	
CODE	EZ000500008
CODE UK	EZ000500009
FRONT STABILIZERS	
CODE	EZ000500002

* = models with B dimension of 540mm



The producer reserves the right to introduce changes to models and features without prior notice.

CX14

GREAT POWER AND STABILITY



special
handling
solutions

See chart at pag. 48

The CX14 powered truck is available in several versions fitted with MOSFET technology. They are suitable for carrying loads on smooth floors and other surfaces. The small size and turning radius make the CX14 range ideal for work in areas where space is at a premium, such as lorries or narrow aisles.



Handle with control

- Large dimensioned Butterfly button control direction and speed.
- Double lifting command placed on both sides of the handle.
- Battery discharge indicator.
- Safety push button + horn located on top of the tiller head.
- Hour meter (Plus and Gel versions).
- "Turtle button" for creep speed to allow operation with the tiller in the vertical position for minimum turning space.



Traction battery

- The Plus and Gel versions have powerful traction batteries for better endurance.



Stabilising wheels

- Two adjustable wheels allow ease of movement, even on the most difficult of surfaces. The wheels also provide great stability under all conditions.

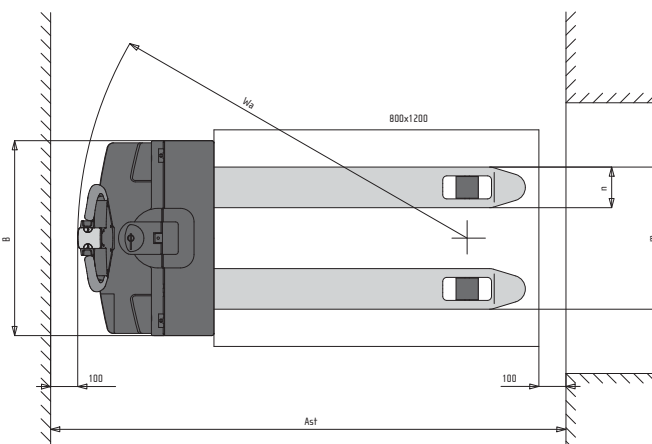
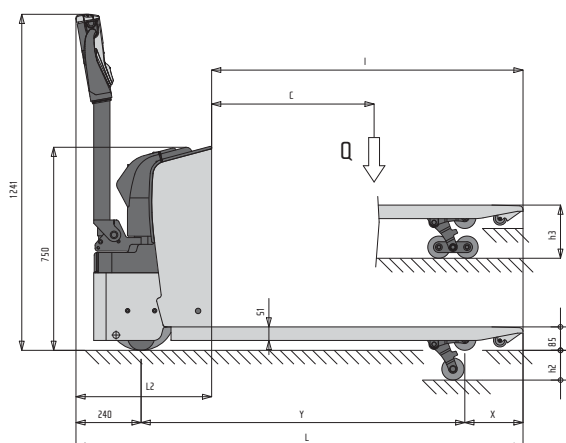
BATTERIES AND CHARGER BUILT IN

CODE				EC241000000	EC245000000	EC241100000	EC245100000	EC221000000	EC225000000	EC221100000	EC225100000
CODE UK				EC241700000	EC245700000	EC241800000	EC245800000	EC221700000	EC225700000	EC221800000	EC225800000
MODEL				CX 14	CX 14	CX 14	CX 14	CX 14	CX 14	CX 14	CX 14
TYPE				1150x525	1150x685	1150x525 PLUS	1150x685 PLUS	1000x525	1000x685	1000x525 PLUS	1000x685 PLUS
CAPACITY	Q	Nominal load	Kg	1400	1400	1400	1400	1400	1400	1400	1400
CENTRE OF GRAVITY	C	Distance	mm	600	600	600	600	600	600	600	600
DRIVING SYSTEM		Escort	type	•	•	•	•	•	•	•	•
DIMENSIONS											
ELEVATION	h3	Elevation	mm	200	200	200	200	200	200	200	200
	h2	Normal free elevation	mm	115	115	115	115	115	115	115	115
LENGTH	l	Fork length	mm	1150	1150	1150	1150	1000	1000	1000	1000
	nX51	Fork widht x thickness	mm	150x50	150x50	150x50	150x50	150x50	150x50	150x50	150x50
DIMENSIONS	L	Total length	mm	1650	1650	1650	1650	1500	1500	1500	1500
	L2	Steer unit length	mm	500	500	500	500	500	500	500	500
	B	Width	mm	720	720	720	720	720	720	720	720
		Working width	mm	525	685	525	685	525	685	525	685
TURNING RADIUS	Wa		mm	1435	1435	1435	1435	1285	1285	1285	1285
STOWAGE PASSAGES	Ast	800x1200	mm	1900	1900	1900	1900	1750	1750	1750	1750
PERFORMANCES											
SPEED	Translation with / without load		Km/h	4,5/4,7	4,5/4,7	4,5/4,7	4,5/4,7	4,5/4,7	4,5/4,7	4,5/4,7	4,5/4,7
	Lifting with / without load		m/s	0,02/0,03	0,02/0,03	0,02/0,03	0,02/0,03	0,02/0,03	0,02/0,03	0,02/0,03	0,02/0,03
	Descent with / without load		m/s	0,04	0,04	0,04	0,04	0,04	0,04	0,04	0,04
MAX SUP. SLOPES	With / without load		%	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
WEIGHTS											
EMPTY WEIGHT	With battery		Kg	203	207	246	250	199	203	242	246
AXLE LOADING	With load [driver / load]		Kg	562/1041	565/1042	599/1047	602/1048	561/1038	564/1039	598/1044	601/1045
	Without load [driver / load]		Kg	170/33	173/34	207/39	210/40	169/30	172/31	206/36	209/37
FRAME											
WHEELS	Driver side / load		Nr	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/2
	Driver side / load		type	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P
TYRES	Driver-wheel dimensions		mm Ø	250x76	250x76	250x76	250x76	250x76	250x76	250x76	250x76
	Stabilizer wheels dimensions		mm Ø	100x40	100x40	100x40	100x40	100x40	100x40	100x40	100x40
	Load side dimensions		mm Ø	82x80	82x80	82x80	82x80	82x80	82x80	82x80	82x80
WHEELS BASE	Y	Back / front	mm	1195	1195	1195	1195	1045	1045	1045	1045
	X	Front/Forks end	mm	215	215	215	215	215	215	215	215
OPERATING BRAKE	Electric		type	•	•	•	•	•	•	•	•
DRIVE											
BATTERY	Traction(T) / starter(S)		type	S	S	T	T	S	S	T	T
	Voltage / capacity		V/Ah	24/74	24/74	24/110*	24/110*	24/74	24/74	24/110*	24/110*
	Weight		Kg	36	36	78	78	36	36	78	78
ELECTRIC MOTORS	Traction motor		kW	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
	Lifting motor		kW	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4
GEAR CONTROL	Electric		type	•	•	•	•	•	•	•	•
BATTERY CHARGER	Voltage / capacity		V/A	24/13	24/13	24/20	24/20	24/13	24/13	24/20	24/20

G=Rubber, P=Polyurethane, M=Driving wheel | * Battery capacity of 132 Ah in 20 hours rating | Available with double load roller and carved driving wheel ring

ACCESSORIES	
CHARGING BATTERY KIT (INVERTER)	
CODE	EY000A0000E

OPTIONALS	
POLYURETHANE DRIVING WHEEL RING	
CODE	HZ000500005
MAINTENANCE BATTERY KIT	
CODE	EZ00050000A



The producer reserves the right to introduce changes to models and features without prior notice.

QX18 - QX20

THE PROFESSIONAL CHOICE



**special
handling
solutions**

See chart at pag. 48

The QX18-QX20 are designed to give professional customers the right solution for their own specific handling needs. These trucks can be used in high intensity operations yet are flexible enough to satisfy a wide variety of warehouse applications providing high performance and efficiency.

* Separately Excited Motors



Tiller head and controls

- Ergonomic handle.
- Hour meter and battery discharge indicator displays.
- A large throttle controls the direction and speed.
- The Safety push button + horn.
- The Double lifting command is placed on both the sides of the handle.
- On/Off key.
- "Turtle button" for creep speed to allow operation with the tiller in the vertical position for minimum turning space.



Battery Housing

- The battery cover is easily removed allowing easier access to the battery housing. In order to have a truck personalised this Series offers a wide range of high performance battery options up to 230Ah.
- The battery charger connector allows the operator to connect it to an external battery charger.



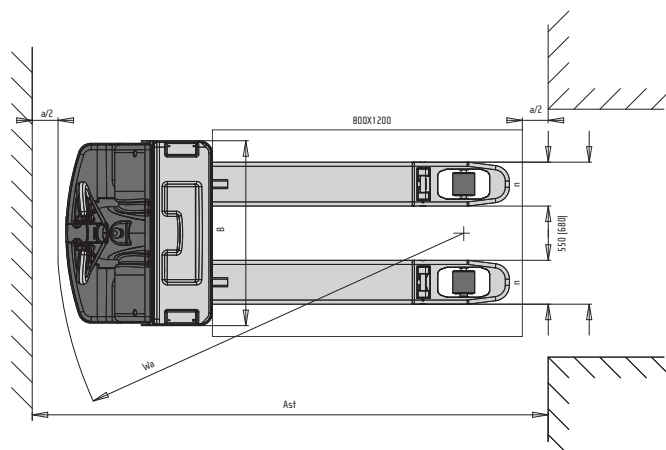
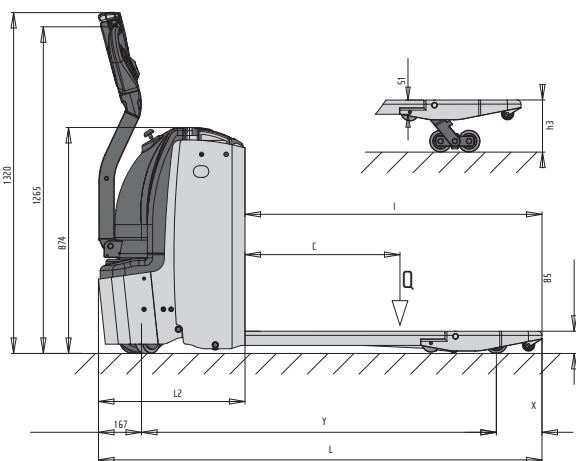
Drive wheel and stabilizer wheels

- A larger motor wheel with SEM* technology provides excellent speed control, with or without a load on board (6km/h).
- Two adjustable wheels allow ease of movement, even on the most difficult of surfaces. The wheels also provide greater stability under all conditions.

CODE	EGH23000000 EGH43000000 EGH24000000 EGH44000000 EG423000000 EG443000000 EG424000000 EG444000000										
MODEL	QX 18		QX 18	QX 18	QX 18	QX 18	QX 20	QX 20	QX 20	QX 20	QX 20
TYPE	1000x550		1150x550	1000x680	1150x680	1000x550	1150x550	1000x680	1150x680	1000x680	1150x680
CAPACITY	Q	Nominal load	Kg	1800	1800	1800	1800	2000	2000	2000	2000
CENTRE OF GRAVITY	C	Distance	mm	600	600	600	600	600	600	600	600
DRIVING SYSTEM	Escort		type	•	•	•	•	•	•	•	•
DIMENSIONS											
ELEVATION	h3	Total Elevation	mm	200	200	200	200	200	200	200	200
	h2	Normal Free Elevation	mm	115	115	115	115	115	115	115	115
LENGTH	l	Fork Length	mm	1000	1150	1000	1150	1000	1150	1000	1150
	nX51	Fork width x thickness	mm	170x55	170x55	170x55	170x55	170x55	170x55	170x55	170x55
DIMENSIONS	L	Total length	mm	1565	1715	1565	1715	1565	1715	1565	1715
	L2	Steer unit length	mm	567	567	567	567	567	567	567	567
	B	Width	mm	716	716	716	716	716	716	716	716
		Working width	mm	550	550	680	680	550	550	680	680
TURNING RADIUS	Wa		mm	1425	1575	1425	1575	1425	1575	1425	1575
STOWAGE PASSAGE	Ast	800x1200	mm	1850	2000	1850	2000	1850	2000	1850	2000
PERFORMANCES											
SPEED	Translation with / without load		Km/h	6,0/6,0	6,0/6,0	6,0/6,0	6,0/6,0	6,0/6,0	6,0/6,0	6,0/6,0	6,0/6,0
	Lifting with / without load		m/s	0,04/0,05	0,04/0,05	0,04/0,05	0,04/0,05	0,04/0,05	0,04/0,05	0,04/0,05	0,04/0,05
	Descent with / without load		m/s	0,05/0,04	0,05/0,04	0,05/0,04	0,05/0,04	0,05/0,04	0,05/0,04	0,05/0,04	0,05/0,04
MAX. SUP. SLOPES	with / without load		%	10/20	10/20	10/20	10/20	10/20	10/20	10/20	10/20
WEIGHTS											
EMPTY WEIGHTS	With battery 230Ah		Kg	510	520	510	520	510	520	510	520
AXLE LOADING	With load (driver / load)		Kg	723/1587	881/1439	723/1587	881/1439	756/1754	940/1580	756/1754	940/1580
	Without load (driver / load)		Kg	390/120	395/125	390/120	395/125	390/120	395/125	390/120	395/125
FRAME											
WHEELS	Driver / load side		Nr	2+1 M/2	2+1 M/2	2+1 M/2	2+1 M/2	2+1 M/2	2+1 M/2	2+1 M/2	2+1 M/2
	Driver / load side		type	P+P/P	P+P/P	P+P/P	P+P/P	P+P/P	P+P/P	P+P/P	P+P/P
TYRES	Driver-wheel dimensions		mm Ø	230x75	230x75	230x75	230x75	230x75	230x75	230x75	230x75
	Stabilizer wheels dimensions		mm Ø	100x40	100x40	100x40	100x40	100x40	100x40	100x40	100x40
	Load side dimensions		mm	85x90	85x90	85x90	85x90	85x90	85x90	85x90	85x90
WHEELS BASE	Y	Back / Front	mm	1224	1373	1224	1373	1224	1373	1224	1373
	X	Front/Forks end	mm	175	175	175	175	175	175	175	175
OPERATING BRAKE	Electric		type	•	•	•	•	•	•	•	•
DRIVE											
ELECTRIC MOTORS	Traction motor		KW	0,9	0,9	0,9	0,9	1,2	1,2	1,2	1,2
	Lifting motor		KW	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2
GEAR CONTROLS	Electric		type	•	•	•	•	•	•	•	•

P=Polyurethane, M=Motor wheel | Available with double load roller and Vulkollan® or carved driving wheel ring

ACCESSORIES			
BATTERY			
CODE	EY000A00008		EY000A00009
TYPE	V-Ah	24-180	24-230
ENDURANCE	h	6	8
WEIGHT	Kg	190	216
CHARGER			
CODE	EY000A00004		HY000A00005
CODE UK	EY000A00005		HY000A00006
TYPE	V-A	24-30	24-40



The producer reserves the right to introduce changes to models and features without prior notice.

QX20P

NEW

PERFORMANCE AND VERSATILITY



special
handling
solutions

See chart at pag. 48

The QX20P is the new highly versatile PRAMAC's electric pallet truck. Thanks to its folding footplate it can be used in tight place or over medium distances with an excellent speed translation (8km/h).

The strong frame, the SEM* motor technology and the braking system with energy recovery are just few samples of its high technology.

* Separately Excited Motors



Motors

- Both the lifting (2.2kW) and traction (2kW) motors have a 24Volt voltage. The vertical assembly allows easier access to the internal parts, reducing dimensions and the stress on the cables. The separated excited traction (SEM) technology guarantees a maximum speed of 8km/h with or without load, while the MOSFET transistor is used to regulate control traction and allows smooth and progressive control.
- When the machine is at its maximum lift height a micro switch disconnects the power, thus reducing the battery energy consumption.



Forks and connecting

- The fork ends are made of steel casting, and include 1 entry / 4 exit rollers. The fork ends are welded on to a fork of 8mm thickness which has additional inner reinforcements.
- Thanks to the connecting rod pulling systems, the material has a higher resistance as it is stressed by traction rather than compression.



Wheels

- Large (Ø mm 230x75) and powerful (2 kW) motor wheels are fitted with SEM technology.
- Two adjustable wheels allow easy movement, even on rough surfaces. The wheels also provide greater stability in all conditions.

CODE				EGA43600000	EGA23600000	EGA44600000	EGA24600000
MODEL				QX 20P	QX 20P	QX 20P	QX 20P
TYPE				1150x550	1000x550	1150x680	1000x680
CAPACITY	Q	Nominal load	Kg	2000	2000	2000	2000
CENTRE OF GRAVITY	C	Distance	mm	600	600	600	600
DRIVING SYSTEM		Escort / Standing	type	•	•	•	•
DIMENSIONS							
ELEVATION	h3	Total Elevation	mm	200	200	200	200
	h2	Normal Free Elevation	mm	115	115	115	115
LENGTH	l	Fork Length	mm	1150	1000	1150	1000
	nX51	Fork width x thickness	mm	170x55	170x55	170x55	170x55
DIMENSIONS	L	Total length (platform raised/lowered)	mm	1772/2107	1622/1957	1772/2107	1622/1957
	L2	Steer unit length (platform raised/lowered)	mm	622/957	622/957	622/957	622/957
	B	Width	mm	716	716	716	716
	Working width		mm	550	550	680	680
TURNING RADIUS	Wa	(platform raised/lowered)	mm	1617/1944	1467/1794	1617/1944	1467/1794
STOWAGE PASSAGE	Ast	800x1200 (platform raised/lowered)	mm	2022/2357	1872/2207	2022/2357	1872/2207
PERFORMANCES							
SPEED	Translation with/without load (plat. raised/lowered)		Km/h	6/6 (8/8)	6/6 (8/8)	6/6 (8/8)	6/6 (8/8)
	Lifting with/without load		m/s	0,04/0,05	0,04/0,05	0,04/0,05	0,04/0,05
	Descent with/without load		m/s	0,05/0,04	0,05/0,04	0,05/0,04	0,05/0,04
MAX. SUP. SLOPES	with/without load		%	8/20	8/20	8/20	8/20
WEIGHTS							
EMPTY WEIGHTS	With battery 230Ah		Kg	579	571	579	571
AXLE LOADING	With load (driver/load)		Kg	1005/1574	8137/1758	1005/1574	8137/1758
	Without load (driver/load)		Kg	460/119	446/125	460/119	446/125
FRAME							
WHEELS	Driver/load side		Nr	2+1M/4	2+1M/4	2+1M/4	2+1M/4
	Driver/load side		type	P+P/P	P+P/P	P+P/P	P+P/P
TYRES	Driver-wheel dimensions		mm Ø	230x75	230x75	230x75	230x75
	Stabilizer wheels dimensions		mm Ø	100x40	100x40	100x40	100x40
	Load side dimensions		mm	85x80	85x80	85x80	85x80
WHEELS BASE	Y	Back/Front	mm	1375	1225	1375	1225
	X	Front/Forks end	mm	175	175	175	175
OPERATING BRAKE	Electric		type	•	•	•	•
DRIVE							
ELECTRIC MOTORS	Traction motor		KW	2,0	2,0	2,0	2,0
	Lifting motor		KW	2,2	2,2	2,2	2,2
GEAR CONTROLS	Electric		type	•	•	•	•

P=Polyurethane, M=Motor wheel | Available with double load roller and Vulkollan® or carved driving wheel ring

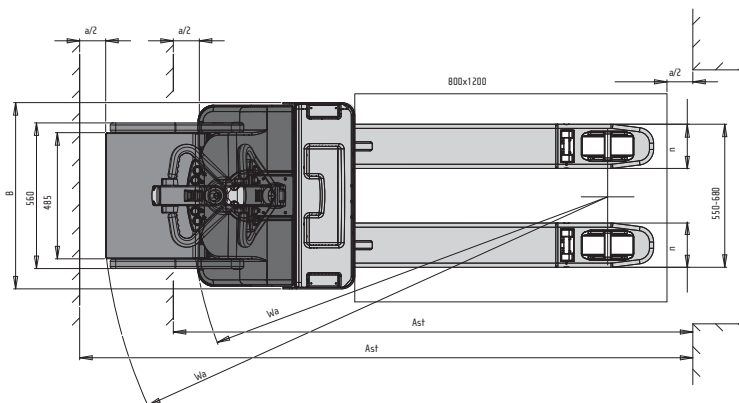
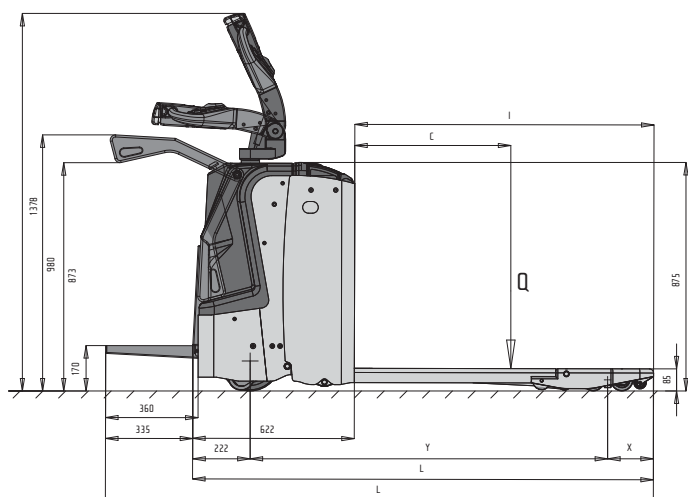
ACCESSORIES

BATTERY

CODE	EY000A00008		EY000A00009
TYPE	V-Ah	24-180	24-230
ENDURANCE	h	6	8
WEIGHT	Kg	190	216

CHARGER

CODE	EY000A00004		EY000A00004
CODE UK	EY000A00005		EY000A00005
TYPE	V-A	24-30	24-40



The producer reserves the right to introduce changes to models and features without prior notice.

QX22

THE BEST PERFORMANCE

The QX22 is the ideal machine where high speed movement of goods over long distances are required.

Its high load capacity (2.2T), its excellent translation speed (10km/h), its high battery capacity (315Ah) and mobile battery change station makes the QX22 the best choice for multi-shift operations.



**special
handling
solutions**

See chart at pag. 48



Tiller head and controls

- Hour meter and battery discharge indicators.
- A large throttle controls the direction and speed.
- The Safety push button + horn.
- The Double lifting command is placed on both the side of the handle.
- Starter key.
- The handle bar is made of box-shaped iron sheet.



Battery Replacement

- The battery housing comes with a removing side panel and an inside wheeled bed to reduce effort during battery substitution. No tools are required for this substitution.
- A mobile battery change station is available upon request for fast battery replacement.

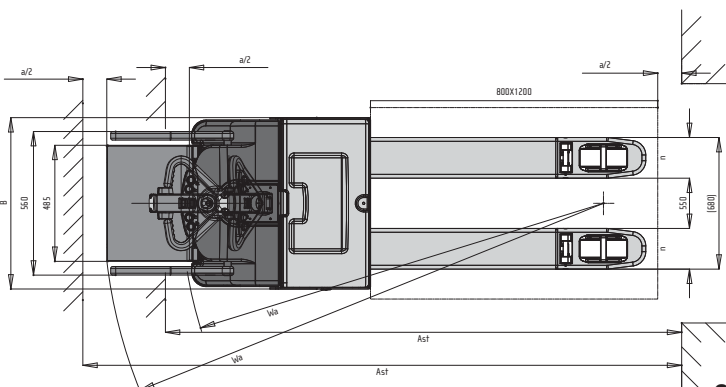
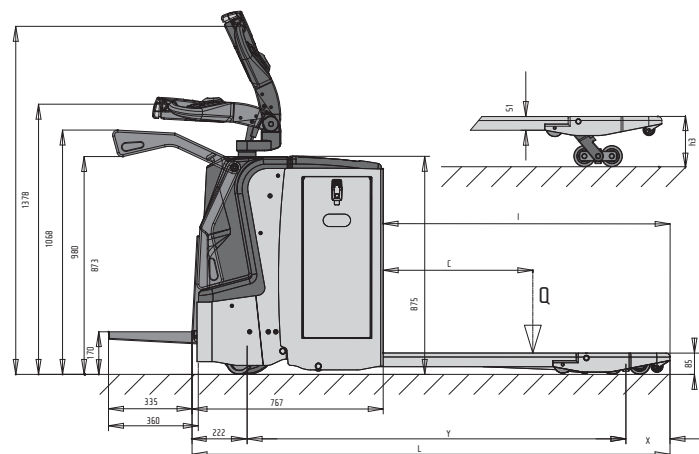


Technology and safety

- The truck is fitted with 3 micro switches that automatically control the speed which, in accordance with safety rules, will automatically decrease from 10km/h to 6 km/h as soon as at least one of the following incidences occur:
 1. The side guards are not in the correct position.
 2. The platform is closed, without operator on board.
 3. The truck corners quickly and tips to an angle of over 8 degrees.

CODE				EGD23000000	EGD43000000	EGD24000000	EGD44000000
MODEL				QX22	QX22	QX22	QX22
TYPE				1000X550	1150X550	1000X680	1150X680
CAPACITY	Q	Nominal load	Kg	2200	2200	2200	2200
CENTRE OF GRAVITY	C	Distance	mm	600	600	600	600
DRIVING SYSTEM		Escort / Standing type	type	•	•	•	•
DIMENSIONS							
ELEVATION	h3	Total Elevation	mm	200	200	200	200
	h2	Normal Free Elevation	mm	115	115	115	115
LENGTH	I	Fork Length	mm	1000	1150	1000	1150
	nX51	Fork width x thickness	mm	170x55	170x55	170x55	170x55
DIMENSIONS	L	Total length (platform raised/lowered)	mm	1767/2102	1917/2252	1767/2102	1917/2252
	L2	Steer unit length (platform raised/lowered)	mm	767/1102	767/1102	767/1102	767/1102
	B	Width	mm	716	716	716	716
		Working width	mm	550	680	550	680
TURNING RADIUS	Wa	(platform raised/lowered)	mm	1612/1939	1762/2089	1612/1939	1762/2089
STOWAGE PASSAGE	Ast	800x1200 (platform raised/lowered)	mm	2017/2352	2167/2502	2017/2352	2167/2502
PERFORMANCES							
SPEED	Traslation with/without load (plat. raised/lowered)		Km/h	6/6 (10/10)	6/6 (10/10)	6/6 (10/10)	6/6 (10/10)
	Lifting with / without load		m/s	0,04/0,05	0,04/0,05	0,04/0,05	0,04/0,05
	Descent with / without load		m/s	0,04/0,05	0,04/0,05	0,04/0,05	0,04/0,05
MAX. SUP. SLOPES	with / without load		%	8/20	8/20	8/20	8/20
WEIGHTS							
EMPTY WEIGHTS	With battery 315Ah		Kg	682	690	682	690
AXLE LOADING	With load (driver / load)		Kg	812/2070	1023/1867	812/2070	1023/1867
	Without load (driver / load)		Kg	451/231	483/207	451/231	483/207
FRAME							
WHEELS	Driver / load side		Nr	2+1M/4	2+1M/4	2+1M/4	2+1M/4
	Driver / load side		type	P+P/P	P+P/P	P+P/P	P+P/P
TYRES	Driver-wheel dimensions		mm Ø	230x75	230x75	230x75	230x75
	Stabilizer wheels dimensions		mm Ø	100x40	100x40	100x40	100x40
	Load side dimensions		mm	85x80	85x80	85x80	85x80
WHEELS BASE	Y	Back / Front	mm	1370	1520	1370	1520
	X	Front/Forks end	mm	175	175	175	175
OPERATING BRAKE	Electric		type	•	•	•	•
DRIVE							
ELECTRIC MOTORS	Traction motor		KW	2.0	2.0	2.0	2.0
	Lifting motor		KW	2.2	2.2	2.2	2.2
GEAR CONTROLS	Electric		type	•	•	•	•

P=Polyurethane, M=Motor wheel | Available with single load roller and Vulkollan® or carved driving wheel ring



The producer reserves the right to introduce changes to models and features without prior notice.

MX

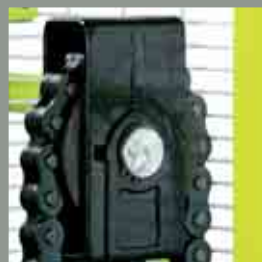
HIGH QUALITY, LOW PRICE

The MX Series, provides an excellent compromise between price and performance. It is a strong high capacity manual stacker, with reinforced roller driven forks and steel pulleys. The foot plate allows for easier raising of the forks without load.



Roller-driven forks

- Forks are precision guided by 4 steel rollers moving along the mast.



Steel Pulley

- A big chain and a strong steel pulley ensure great resistance and reliability even working with the max load capacity.



Handle

- Ergonomic handle fitted with plastic cover.
- All the controls (lowering / neutral / lifting) are available in a single lever for simple and safe control.

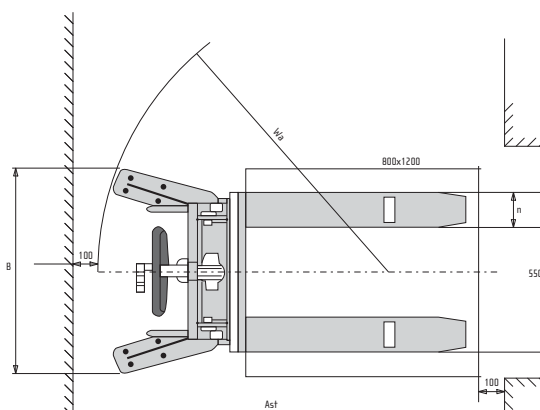
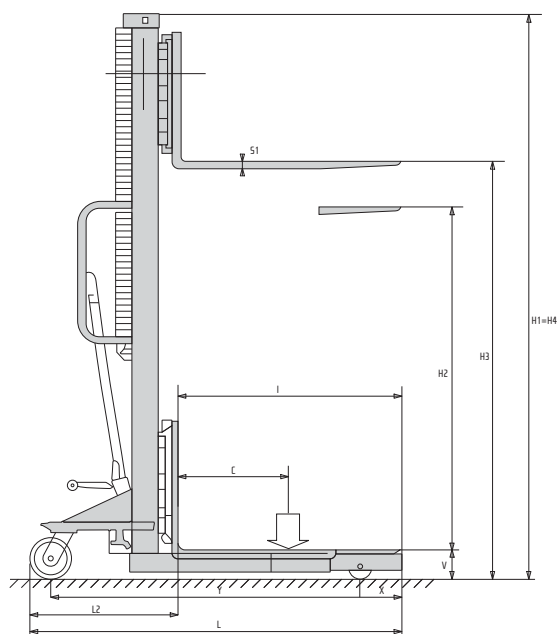


Max pressure valve

- When maximum load capacity is exceeded, the oil pressure exceeds its maximum limit and the valve automatically stops the forks from lifting. In this way, possible structural damage is avoided.

CODE				HB105000000	HB305000000	HB310000000
MODEL				MX 510	MX 516	MX 1016
CAPACITY	Q	Nominal load	kg	500	500	1000
CENTER OF GRAVITY	C	Distance	mm	600	600	600
DRIVING SYSTEM		Escort	type	•	•	•
DIMENSIONS						
ELEVATION	h3	Elevation	mm	1000	1600	1600
	h2	Normal free elevation	mm	910	1510	1510
LENGTH	l	Fork length	mm	1150	1150	1150
	nx51	Fork width x thickness	mm	170x60	170x60	170x60
DIMENSIONS	L	Total length	mm	1690	1690	1690
	L2	Steer unit length	mm	540	540	540
	B	Width	mm	740	740	740
	h1	Minimum dimensions	mm	1490	2080	2080
	h4	Maximum dimensions (min / max)	mm	1490	2080	2080
	V	Height from floor	mm	90	90	90
TURNINGS RADIUS	Wa		mm	1400	1400	1400
STOWAGE PASSAGE	Ast	800x1200	mm	2000	2000	2000
PERFORMANCES						
SPEED		Descent with / without load	m/s	0,16/0,05	0,12/0,03	0,12/0,03
		Lifting with / without load	n°	37	73	73
WEIGHTS						
EMPTY WEIGHT			kg	185	200	210
AXLE LOADING		With load (driver / load)	kg	202/483	213/487	309/901
		Without load (driver / load)	kg	113/72	123/77	129/81
FRAME						
WHEELS		Driver side / load	Nr	2/2	2/2	2/2
		Driver side / load	type	N/N	N/N	N/N
TYRES		Stabilizer wheels dimensions	mmØ	150x40	150x40	150x40
		Load side dimensions	mmØ	80x78	80x78	80x78
WHEELS BASE	Y	Back / Front	mm	1240	1240	1240
	X	Front/Forks end	mm	350	350	350
OPERATING BRAKE		Mechanic	type	•	•	•

N=Nylon



The producer reserves the right to introduce changes to models and features without prior notice.

TX ELEVATED STRENGTH

The TX Series, available in several versions, features manual movement and electric lifting. These models are very steady, and are suitable for lifting very heavy loads. The TX12 version has polyurethane wheels as standard to reduce resistance and effort required even with the full load capacity (1.2 t).



**special
handling
solutions**

See chart at pag. 48



Starting and cutoff battery key

- The cut-off key functions as both a start-and-stop mechanism and parking and safety brake.



Adjustable pads

- Due to its higher lift & load capacity, the TX12 models are fitted with adjustable buffers to minimize possible swings.



BATTERIES AND CHARGER BUILT IN



Battery charger

- In case of low battery power, the control system prevents lifting.

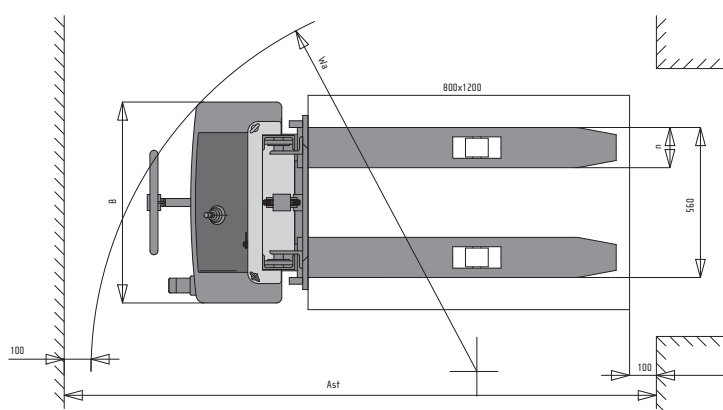
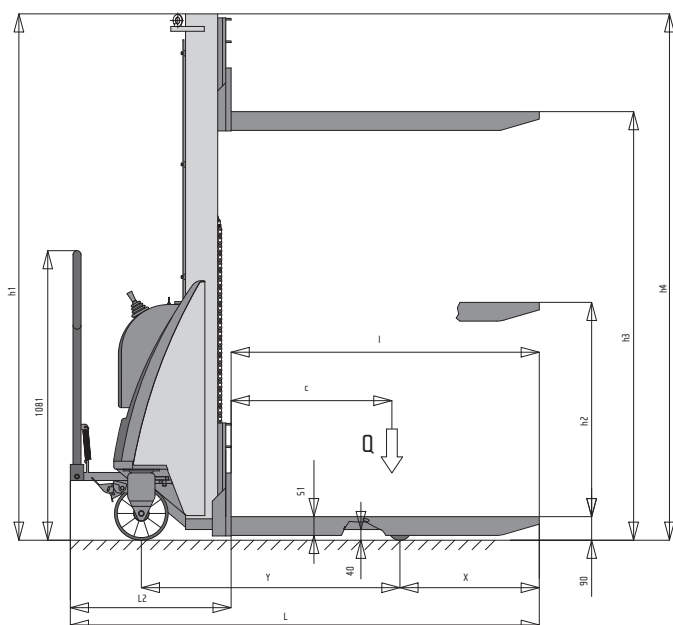


Foot-brake

- The foot-brake, situated on the right wheel, is also a parking brake.

CODE				HA010000000	HA310000000	HA410000000	HA512000000	HA612000000	HA712000000
CODE UK				HA010700000	HA310700000	HA410700000	HA512700000	HA612700000	HA712700000
MODEL				TX 10/09	TX 10/16	TX 10/20	TX 12/25	TX 12/29	TX 12/35
CAPACITY	Q	Nominal load	kg	1000	1000	1000	1200	1200	1200
CENTER OF GRAVITY	C	Distance	mm	600	600	600	600	600	600
DRIVING SYSTEM		Escort	type	•	•	•	•	•	•
DIMENSIONS									
ELEVATION	h3	Elevation	mm	900	1600	2000	2500	2900	3500
	h2	Normal free elevation	mm	810	1510	1910	-	-	80
LENGTH	l	Fork length	mm	1150	1150	1150	1150	1150	1150
	nx51	Fork width x thickness	mm	150x70	150x70	150x70	150x70	150x70	150x70
DIMENSIONS	L	Total length	mm	1750	1750	1750	1850	1850	1850
	L2	Steer unit length	mm	600	600	600	700	700	700
	B	Width	mm	750	750	750	850	850	850
	h1	Minimum dimensions	mm	1300	1970	2370	1780	1980	2250
	h4	Maximum dimensions (min / max)	mm	1300	1970	2370	2985	3385	3915
TURNINGS RADIUS	Wa		mm	1440	1440	1440	1760	1760	1760
STOWAGE PASSAGE	Ast	800x1200	mm	2210	2210	2210	2375	2375	2375
PERFORMANCES									
SPEED		Lifting with / without load	m/s	0,09/0,12	0,09/0,12	0,09/0,12	0,08/0,12	0,08/0,12	0,08/0,12
		Descent with / without load	m/s	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1
WEIGHTS									
EMPTY WEIGHT		With battery	kg	296	311	321	433	449	496
AXLE LOADING		With load (driver / load)	kg	228/1068	241/1070	253/1068	503/1130	513/1136	550/1146
		Without load (driver / load)	kg	197/99	210/101	222/99	311/122	321/128	358/138
FRAME									
WHEELS		Driver side / load	Nr	2/2	2/2	2/2	2/2	2/2	2/2
		Driver side / load	type	G/N	G/N	G/N	P/N	P/N	P/N
TYRES		Stabilizer wheels dimensions	mmØ	200x50	200x50	200x50	200x50	200x50	200x50
		Load side dimensions	mmØ	82x70	82x70	82x70	82x70	82x70	82x70
WHEELS BASE	Y	Back / Front	mm	965	965	965	1155	1155	1155
	X	Front/Forks end	mm	520	520	520	365	365	365
OPERATING BRAKE		Mechanic	type	•	•	•	•	•	•
ELECTRICAL EQUIPMENT									
ELECTRIC MOTORS		Lifting motor	kW	1,6	1,6	1,6	2,2	2,2	2,2
BATTERY		Starter	type	•	•	•	•	•	•
		Voltage / capacity	V/Ah	12/74	12/74	12/74	24/74	24/74	24/74
		Weight	kg	18	18	18	36	36	36
CHARGER		Voltage / capacity	V-A	12-15	12-15	12-15	24-13	24-13	24-13

G=Rubber, P=Polyurethane, N=Nylon



The producer reserves the right to introduce changes to models and features without prior notice.

GX^{Updated} THE COMPACT STACKER

This compact truck provides the perfect solution where space is at a premium. Thanks to the recent product development, these stackers are now even stronger more, reliable and closer to customers' needs than ever. The use of special highly resistance steel, and the stronger protective covers are just some samples of their modifications.



special
handling
solutions

See chart at pag. 48



Tiller handle and controls

- Large butterfly control allows accurate speed and direction control.
- Battery discharge indicator.
- Safety button and horn are located on the top of the tiller head.
- Hour-meter (Plus and Gel versions)



Protective cover

- The new "double" ABS protection is synonymous ease of use and reliability. Removing the lower side it allows easier access to the battery housing for faster maintenance. Its increased thickness (+20%) makes it even stronger.



BATTERIES AND
CHARGER BUILT IN

AVAILABLE WITH A DOUBLE FORK
LIFTING COMMAND (OPTIONAL)

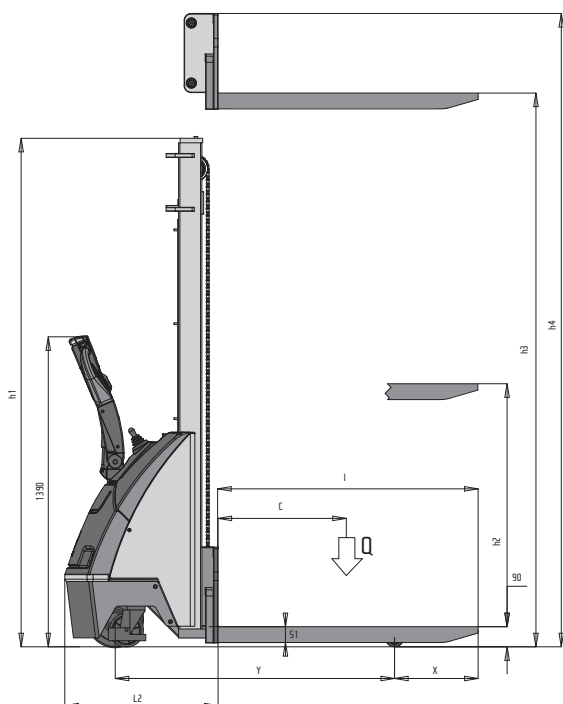


Battery charger

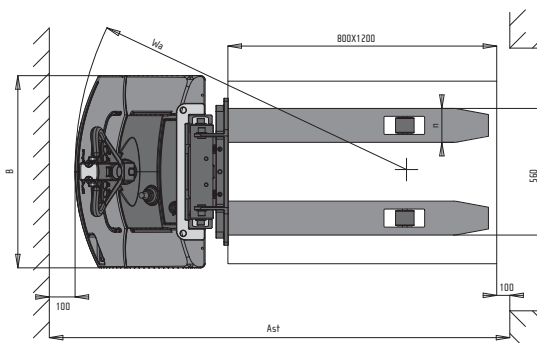
- In case of low battery power, the control system prevents lifting but allows movement.

CODE				HG010000000	HG310000000	HG410000000	HG512000000	HG612000000	HG712000000	HG512100000	HG612100000	HG712100000
CODE UK				HG010700000	HG310700000	HG410700000	HG512700000	HG612700000	HG712700000	HG512800000	HG612800000	HG712800000
MODEL				GX 10/09	GX 10/16	GX 10/20	GX 12/25	GX 12/29	GX 12/35	GX 12/25 Plus	GX 12/29 Plus	GX 12/35 Plus
CAPACITY	Q	Nominal load	Kg	1000	1000	1000	1200	1200	1200	1200	1200	1200
CENTER OF GRAVITY	C	Distance	mm	600	600	600	600	600	600	600	600	600
DIMENSIONS												
ELEVATION	h3	Elevation	mm	900	1600	2000	2500	2900	3500	2500	2900	3500
	h2	Normal free elevation	mm	810	1510	1910	-	-	80	-	-	80
LENGTH	l	Fork length	mm	1150	1150	1150	1150	1150	1150	1150	1150	1150
	nx51	Fork width x thickness	mm	150x70	150x70	150x70	150x70	150x70	150x70	150x70	150x70	150x70
DIMENSIONS	L	Total length	mm	1825	1825	1825	1825	1825	1825	1825	1825	1825
	L2	Steer unit length	mm	675	675	675	675	675	675	675	675	675
	B	Width	mm	850	850	850	850	850	850	850	850	850
	h1	Minimum dimensions	mm	1300	1970	2370	1780	1980	2250	1780	1980	2250
	h4	Maximum dimensions	mm	1300	1970	2370	2985	3385	3915	2985	3385	3915
TURNINGS RADIUS	Wa		mm	1460	1460	1460	1460	1460	1460	1460	1460	1460
STOWAGE PASSAGE	Ast	800x1200	mm	2075	2075	2075	2075	2075	2075	2075	2075	2075
PERFORMANCES												
SPEED	Translation with / without load		km/h	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0
	Lifting with / without load		m/s	0,09/0,12	0,09/0,12	0,09/0,12	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12
	Descent with / without load		m/s	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1
MAX SUPERABLE GRADIENT	With / without load		%	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
WEIGHTS												
EMPTY WEIGHT	With battery		kg	372	393	413	481	496	531	515	530	565
AXLE LOADING	With load (driver / load)		kg	428/944	443/950	457/956	545/1136	559/1137	585/1146	569/1146	583/1147	609/1156
	Without load (driver / load)		kg	273/99	288/105	302/111	358/123	372/124	398/133	382/133	396/134	422/123
FRAME												
WHEELS	Driver side / load		Nr	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/2
	Driver side / load		type	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P
TYRES	Drive wheel dimensions		mmØ	240x60	240x60	240x60	250x76	250x76	250x76	250x76	250x76	250x76
	Stabilizer wheels dimensions		mmØ	150x40	150x40	150x40	150x40	150x40	150x40	150x40	150x40	150x40
	Load side dimensions		mmØ	82x70	82x70	82x70	82x70	82x70	82x70	82x70	82x70	82x70
WHEELS BASE	Y	Back / Front	mm	1190	1190	1190	1190	1190	1190	1190	1190	1190
	X	Front/Forks end	mm	365	365	365	365	365	365	365	365	365
OPERATING BRAKE	Electric		type	•	•	•	•	•	•	•	•	•
ELECTRICAL EQUIPMENT												
ELECTRIC MOTORS	Traction motor		kW	0,5	0,5	0,5	0,7	0,7	0,7	0,7	0,7	0,7
	Lifting motor		kW	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2
SPEED CONTROL	Electric		type	•	•	•	•	•	•	•	•	•
BATTERY	Traction(T) / starter (S)		type	S	S	S	S	S	S	T	T	T
	Voltage		V	24	24	24	24	24	24	24	24	24
	Capacity		Ah	74	74	74	92	92	92	110*	110*	110*
	Endurance		h	3	3	3	3	3	3	5	5	5
	Voltage / Capacity		V/A	24/13	24/13	24/13	24/20	24/20	24/20	24/20	24/20	24/20

G=Rubber, P=Polyurethane, M=Motor wheel | * Battery capacity of 132 Ah in 20 hours rating. All models are available also with dry gel batteries.



OPTIONALS	
POLYURETHANE DRIVING WHEEL RING	
CODE GX10	HZ000500004
CODE GX12	HZ000500005
DOUBLE LIFTING COMMAND	
CODE	HZ000500006



The producer reserves the right to introduce changes to models and features without prior notice.

GX STRADDLE - TX STRADDLE

VERSATILITY FOR LARGER LOADS

Updated



See chart at pag. 48

The Straddle Series is highly versatile when dealing with different size loads thanks to its adjustable forks and clamps. The GX models, thanks to the last updates are now even stronger, more reliable and closer to customers' needs than ever. The use of special high resistance steel, and the stronger protective covers are just some samples of their modifications.

GX MODELS AVAILABLE WITH DOUBLE LIFTING COMMAND (OPTIONAL)

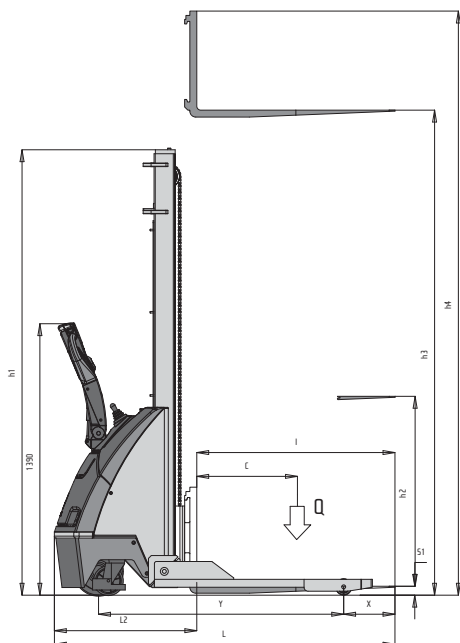


BATTERIES AND CHARGER BUILT IN

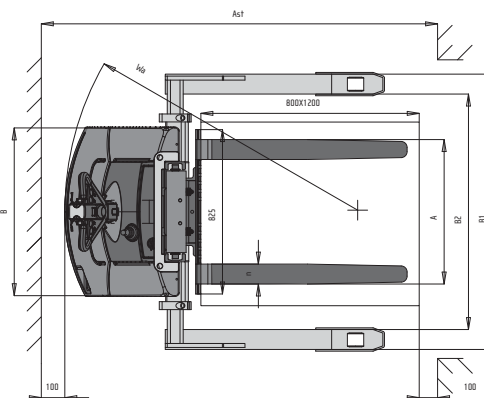


CODE				HA310010000	HG512010000	HG612010000	HG712010000	HG012010000	HG512110000	HG612110000	HG712110000	HG012110000
CODE UK				HA310710000	HG512710000	HG612710000	HG712710000	HG012710000	HG512810000	HG612810000	HG712810000	HG012810000
MODEL				TX 10/16 Straddle	GX 12/25 Straddle	GX 12/29 Straddle	GX 12/35 Straddle	GX 12/38 Straddle	GX 12/25 plus Straddle	GX 12/29 plus Straddle	GX 12/35 plus Straddle	GX 12/38 plus Straddle
CAPACITY	Q	Nominal load	kg	1000	1200	1200	1200	1200	1200	1200	1200	1200
CENTER OF GRAVITY	C	Distance	mm	600	600	600	600	600	600	600	600	600
DIMENSIONS												
ELEVATION	h3	Elevation	mm	1550	2450	2900	3450	3800	2450	2900	3450	3800
	h2	Normal free elevation	mm	1415	-	-	80	80	-	-	80	80
LENGTH	l	Fork length	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000
	nx51	Fork width x thickness	mm	100x35	100X35	100X35	100X35	100X35	100X35	100X35	100X35	100X35
	DIMENSIONS											
	L	Total length	mm	1640	1715	1715	1715	1715	1715	1715	1715	1715
	L2	Steer unit length	mm	640	715	715	715	715	715	715	715	715
	B	Width	mm	750	850	850	850	850	850	850	850	850
	h1	Minimum dimensions	mm	1970	1780	1980	2250	2425	1780	1980	2250	2425
	A	Fork regulation (min / max)	mm	230-790	230-790	230-790	230-790	230-790	230-790	230-790	230-790	230-790
	B1	Maximum dimensions (min / max)	mm	1197-1504	1197-1504	1197-1504	1197-1504	1197-1504	1197-1504	1197-1504	1197-1504	1197-1504
	B2	Useful width for pallets (min / max)	mm	963-1270	963-1270	936-1270	963-1270	963-1270	963-1270	963-1270	963-1270	963-1270
	h4	Maximum dimensions	mm	2070	2985	3385	3915	4270	2985	3385	3915	4270
TURNINGS RADIUS	Wa		mm	1790	1460	1460	1460	1460	1460	1460	1460	1460
STOWAGE PASSAGE	Ast	800x1200	mm	2400	2116	2116	2116	2116	2116	2116	2116	2116
PERFORMANCES												
SPEED	Translation with / without load		km/h	-	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0
	Lifting with / without load		m/s	0,09/0,12	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12
	Descent with / without load		m/s	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1
MAX SUPERABLE GRADIENT	With / without load		%	-	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
WEIGHTS												
EMPTY WEIGHT	With battery		kg	415	565	580	615	665	599	614	649	699
AXLE LOADING	With load (driver / load)		kg	453/962	582/1183	596/1184	617/1198	656/1209	606/1193	620/1194	641/1208	680/1219
	Without load (driver / load)		kg	270/145	380/185	394/186	426/189	464/201	404/195	418/196	450/199	488/211
FRAME												
WHEELS	Driver side / load		Nr	2/2	2+1M/2	2+1M/2	2+1M/2	2+1M/4	2+1M/2	2+1M/2	2+1M/2	2+1M/4
	Driver side / load		type	G/N	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P
TYRES	Drive wheel dimensions		mmØ	-	250X76	250X76	250X76	250X76	250X76	250X76	250X76	250X76
	Stabilizer wheels dimensions		mmØ	200x50	150X40	150X40	150X40	150X40	150X40	150X40	150X40	150X40
	Load side dimensions		mmØ	82x70	82X70	82X70	82X70	82X70	82X70	82X70	82X70	82X70
WHEELS BASE	Y	Back / Front	mm	1130	1190	1190	1190	1190	1190	1190	1190	1190
	X	Front/Forks end	mm	246	255	255	255	255	255	255	255	255
OPERATING BRAKE	Mechanic(M) / Electric(E)		type	M	E	E	E	E	E	E	E	E
ELECTRICAL EQUIPMENT												
ELECTRIC MOTORS	Traction motor		kW	-	0,7	0,7	0,7	0,7	0,7	0,7	0,7	0,7
	Lifting motor		kW	1,6	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2
SPEED CONTROL	Electronic		type	-	•	•	•	•	•	•	•	•
BATTERY	Traction(T) / starter(S)		type	S	S	S	S	S	T	T	T	T
	Voltage / capacity		V/Ah	12/74	2X12/92	2X12/92	2X12/92	2X12/92	2X12/110*	2X12/110*	2X12/110*	2X12/110*
	Endurance		h	-	3	3	3	3	5	5	5	5
CHARGER	Voltage / capacity		V/A	12/15	24/20	24/20	24/20	24/20	24/20	24/20	24/20	24/20

G=Rubber, P=Polyurethane, M=Motor wheel, N=Nylon | * Battery capacity of 132 Ah in 20 hours rating. All GX models are available also with dry gel batteries.



OPTIONALS	
POLYURETHANE DRIVING WHEEL RING	
CODE GX12	HZ000500005
DOUBLE LIFTING COMMAND	
CODE GX12	HZ000500006



The producer reserves the right to introduce changes to models and features without prior notice.

FX

AN EFFICIENT SOLUTION

The new FX series represents the efficient solution to satisfy all possible warehousing and handling requirements.

The separated excited traction technology (SEM) guarantees constant speed with or without load, while the MOSFET transistor is used to regulate control traction and allows smooth and progressive control.



**special
handling
solutions**

See chart at pag. 48



Tiller head and controls

- Large butterfly control allows accurate speed and direction control.
- Hour meter and battery discharge indicators.
- Safety button and horn are located on the top of the tiller head.



Footplate

- It is available a footplate useful when cover longer distances or heavy applications are required.



Battery charger connector

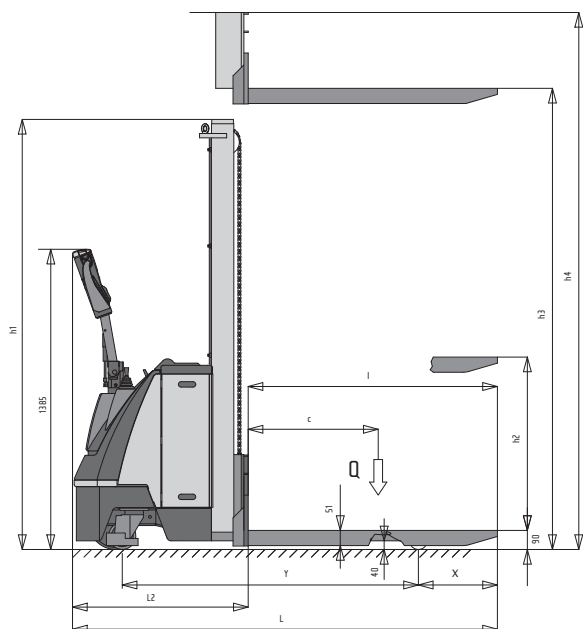
- This allows the operator to disconnect the machine from the battery, and connect it to an external battery charger.

AVAILABLE WITH A DOUBLE FORK
LIFTING COMMAND (OPTIONAL)

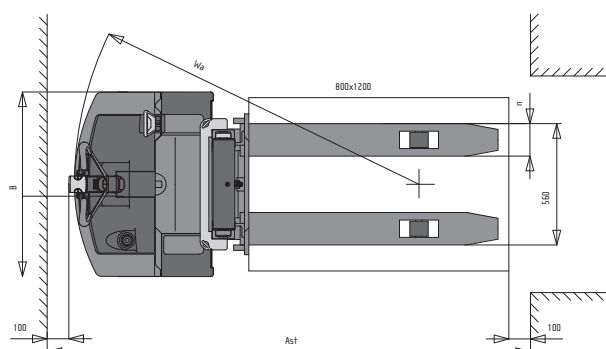
CODE				HE612000000	HE712000000	HED12000000
MODEL				FX 12/29	FX 12/35	FX 12/38
CAPACITY	Q	Nominal load	Kg	1200	1200	1200
CENTER OF GRAVITY	C	Distance	mm	600	600	600
DRIVING SYSTEM		Escort	type	•	•	•
DIMENSIONS						
ELEVATION	h3	Elevation	mm	2900	3500	3860
	h2	Normal free elevation	mm	-	80	80
LENGTH	l	Fork length	mm	1150	1150	1150
	nx51	Fork width x thickness	mm	150x70	150x70	150x70
DIMENSIONS	L	Total length (footplate raised / lowered)	mm	1957 (2042/2453)	1957 (2042/2453)	1957 (2042/2453)
	L2	Steer unit length (footplate raised / lowered)	mm	807 (892/1303)	807 (892/1303)	807 (892/1303)
	B	Width	mm	850	850	850
	h1	Minimum dimensions	mm	1980	2250	2425
	h4	Maximum dimensions	mm	3385	3915	4270
TURNINGS RADIUS	Wa	(footplate raised / lowered)	mm	1586 (1639/2096)	1586 (1639/2096)	1586 (1639/2096)
STOWAGE PASSAGE	Ast	800x1200 (footplate raised / lowered)	mm	2228 (2301/2712)	2228 (2301/2712)	2228 (2301/2712)
PERFORMANCES						
SPEED		Translation with / without load	km/h	5,5/6	5,5/6	5,5/6
		Lifting with / without load	m/s	0,12/0,19	0,12/0,19	0,12/0,19
		Descent with / without load	m/s	0,4/0,1	0,4/0,1	0,4/0,1
MAX SUPERABLE GRADIENT		With / without load	%	5/10	5/10	5/10
WEIGHTS						
EMPTY WEIGHT		With battery 210 Ah	kg	708	749	759
AXLE LOADING		With load (driver / load)	kg	661/1247	689/1260	696/1263
		Without load (driver / load)	kg	498/210	526/223	533/226
FRAME						
WHEELS		Driver side / load	Nr	2+1M/2	2+1M/2	2+1M/2
		Driver side / load	type	P+G/P	P+G/P	P+G/P
TYRES		Drive wheel dimensions	mmØ	250x76	250x76	250x76
		Stabilizer wheels dimensions	mmØ	125x50	125x50	125x50
		Load side dimensions	mmØ	82x70	82x70	82x70
WHEELS BASE	Y	Back / Front	mm	1363	1363	1363
	X	Front/Forks end	mm	365	365	365
OPERATING BRAKE		Electric	type	•	•	•
ELECTRICAL EQUIPMENT						
ELECTRIC MOTORS		Traction motor	kW	1,2	1,2	1,2
		Lifting motor	kW	2,5	2,5	2,5
SPEED CONTROL		Electronic	type	•	•	•

G=Rubber, P=Polyurethane, M=Motor wheel | Available with carved driving wheel ring

OPTIONALS	
FOOTPLATE	
CODE	HZ000500001
DOUBLE LIFTING COMMAND	
CODE	HZ000500000
POLYURETHANE DRIVING WHEEL RING	
CODE	HZ000500002



ACCESSORIES				
BATTERY				
CODE		HY000A00000	HY000A00001	HY000A00002
TYPE	V-Ah	24-180	24-210	24-315
ENDURANCE	h	6	8	10
WEIGHT	Kg	200	215	285
CHARGER				
CODE		EY000A00004	HY000A00005	HY000A00003
CODE UK		EY000A00005	HY000A00006	HY000A00004
TYPE	V-A	24-30	24-40	24-50



The producer reserves the right to introduce changes to models and features without prior notice.

LX

MOC POD KONTROLĄ

Seria wózków widłowych z masztem serii LX oferuje szeroki zakres narzędzi dla profesjonalistów szukających jakości i dobrej ceny. Zaprojektowane do użytkowania w profesjonalnych systemach magazynowych i przenoszenia towarów. Te maszyny wyposażone są w wiele standardowych cech, z wieloma dostępnymi opcjami tj. kontrola tranzystorem MOSFET i silnik z technologią SEM.



special
handling
solutions

See chart at pag. 48



Footplate

- It is available a footplate useful when cover longer distances or heavy applications are required.



Tiller head and controls

- Large butterfly control allows accurate speed and direction control.
- Hour meter and battery discharge indicators.
- Safety button and horn are located on the top of the tiller head.



Sideways Battery Exit

- In addition to the upper cover, the battery housing can be accessed by removing the side cover, allowing easier battery changing.

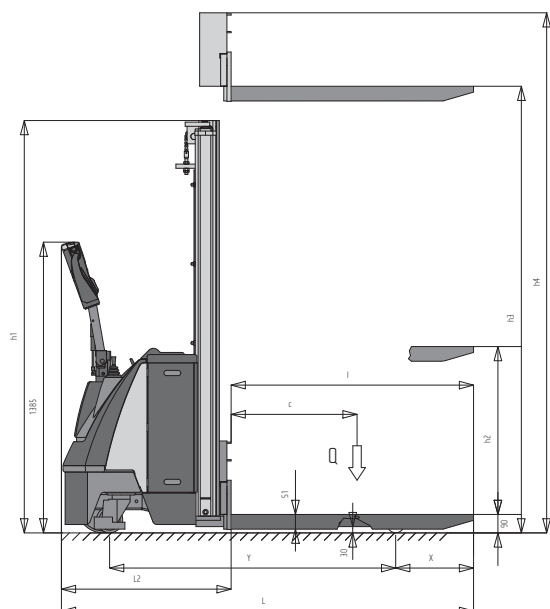


AVAILABLE WITH A DOUBLE FORK
LIFTING COMMAND (OPTIONAL)

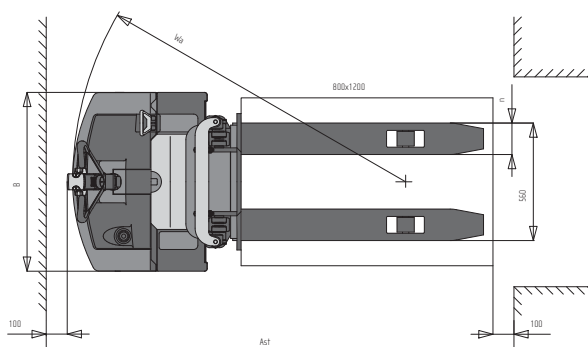
CODE				HD312000000	HD512000000	HD612000000	HD712000000	HD316000000	HD516000000	HD616000000	HD716000000
MODEL				LX 12/16	LX 12/25	LX 12/29	LX 12/35	LX 16/16	LX 16/25	LX 16/29	LX 16/35
CAPACITY	Q	Nominal load	Kg	1200	1200	1200	1200	1600	1600	1600	1600
CENTER OF GRAVITY	C	Distance	mm	600	600	600	600	600	600	600	600
DRIVING SYSTEM		Escort		•	•	•	•	•	•	•	•
DIMENSIONS											
ELEVATION	h3	Elevation	mm	1600	2500	2900	3500	1600	2500	2900	3500
	h2	Normal free elevation	mm	1510	-	-	-	1510	-	-	-
LENGTH	l	Fork length	mm	1150	1150	1150	1150	1150	1150	1150	1150
	nx51	Fork width x thickness	mm	150x70	150x70	150x70	150x70	170x70	170x70	170x70	170x70
DIMENSIONS	L	Total length (+footplate raised/lowered)	mm	1964 [2056/2467]				1991 [2083/2494]			
	L2	Steer unit length (+footplate raised/lowered	mm	809 [901/1312]				841 [933/1344]			
	B	Width	mm	850	850	850	850	850	850	850	850
	h1	Minimum dimensions	mm	1965	1765	1965	2265	1965	1765	1965	2265
	h4	Maximum dimensions	mm	1965	2970	3370	3970	1965	2970	3370	3970
TURNINGS RADIUS	Wa	(+footplate raised/lowered)	mm	1586 [1639/2096]				1649 [1702/2169]			
STOWAGE PASSAGE	As1	800x1200 (+footplate raised/lowered]	mm	2228 [2301/2712]				2241 [2314/2725]			
PERFORMANCE											
SPEED		Translation with/without load	km/h	5,5/6	5,5/6	5,5/6	5,5/6	5,5/6	5,5/6	5,5/6	5,5/6
		Lifting with/without load	m/s	0,09/0,15	0,09/0,15	0,09/0,15	0,09/0,15	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12
		Descent with/without load	m/s	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1
MAX SUPERABLE GRADIENT		With/without load	%	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
WEIGHTS											
EMPTY WEIGHT		With battery 180 Ah	kg	650	725	780	790	754	849	874	914
AXLE LOADING		With load (driver/load)	kg	618/1232	666/1259	683/1267	709/1281	769/1585	810/1639	832/1642	838/1676
		Without load (driver/load)	kg	445/205	493/232	510/240	536/254	506/248	570/279	592/282	598/316
FRAME											
WHEELS		Driver side/load	Nr	2+1M/2	2+1M/2	2+1M/2	2+1M/2	2+1M/4	2+1M/4	2+1M/4	2+1M/4
		Driver side/load	type	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P
TYRES		Drive wheel dimensions	mmØ	250x76	250x76	250x76	250x76	250x101	250x101	250x101	250x101
		Stabilizer wheels dimensions	mmØ	125x50	125x50	125x50	125x50	125x50	125x50	125x50	125x50
		Load side dimensions	mmØ	82x70	82x70	82x70	82x70	82x70	82x70	82x70	82x70
WHEELS BASE	Y	Back/Front	mm	1363	1363	1363	1363	1429	1429	1429	1429
	X	Front/Forks end	mm	371	371	371	371	332	332	332	332
OPERATING BRAKE		Electric	type	•	•	•	•	•	•	•	•
ELECTRICAL EQUIPMENT											
ELECTRIC MOTORS		Traction motor	kW	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
		Lifting motor	kW	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
SPEED CONTROL		Electronic	type	•	•	•	•	•	•	•	•

G=Rubber, P=Polyurethane, M=Motor wheel | Available with carved driving wheel ring

OPTIONALS	
FOOTPLATE	
CODE	HZ000500001
DOUBLE LIFTING COMMAND	
CODE	HZ000500000
POLYURETHANE DRIVING WHEEL RING	
CODE LX12	HZ000500002
CODE LX16	HZ000500003



ACCESSORIES				
BATTERY				
CODE		HY000A00000	HY000A00001	HY000A00002
TYPE	V/Ah	24/180	24/210	24/315
ENDURANCE	h	6	8	10
WEIGHT	Kg	200	215	285
CHARGER				
CODE		EY000A00004	HY000A00005	HY000A00003
CODE UK		EY000A00005	HY000A00006	HY000A00004
TYPE	V/Ah	24/30	24/40	24/50



The producer reserves the right to introduce changes to models and features without prior notice.

LX14 TRIPLEX

DESIGNED FOR ENDURANCE



special
handling
solutions

See chart at pag. 48

A machine designed to satisfy the demands of handling and warehousing professionals. Besides the features typical of the LX series, these models come with a more powerful motor (3 kW), remarkable lifting heights (up to 5.0 m) and a full free lift of 1.7 m.



Full Free Lift

- This system allows the operator to raise the fork to a height of 1677 mm from the ground, without increasing the minimum dimension of the machine (h1).



Three stage mast

- The Triplex model has a three stage mast, allowing lifting up to 5000 mm.
- The LX14/45 and LX14/50 models have two lateral lifting pistons for operator use simple, with excellent visibility for manoeuvring.



Footplate

- It is available as a footplate useful when covering longer distances or heavy applications are required.



AVAILABLE WITH A DOUBLE FORK
LIFTING COMMAND (OPTIONAL)

New

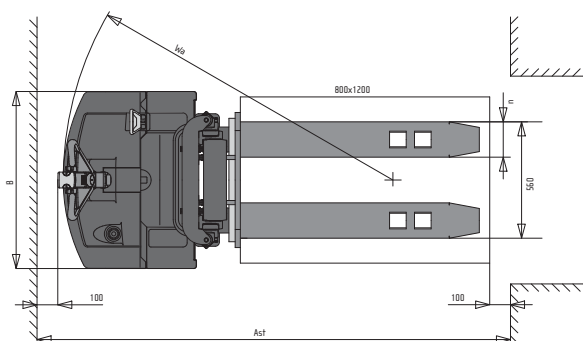
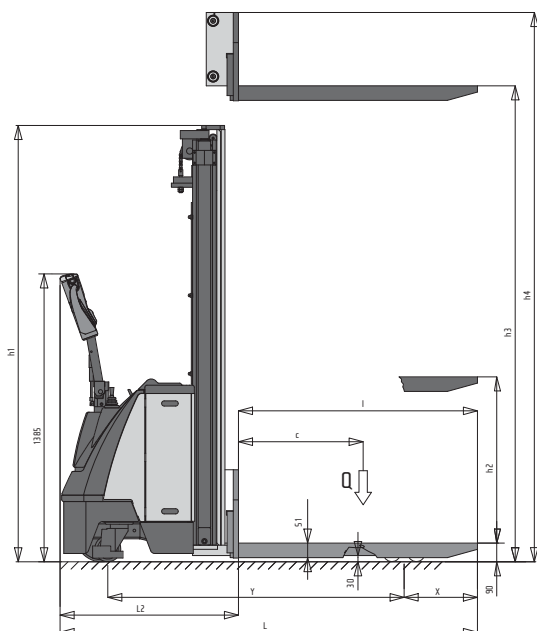
New

CODE	HDB14000000			HDB140300000			HDF14000000			HDF14030000		
MODEL	LX 14/45			LX 14/45 Free Lift			LX 14/50			LX 14/50 Free Lift		
CAPACITY	Q	Nominal load	Kg	1400	1400	1400	1400	1400	1400	1400	1400	1400
CENTER OF GRAVITY	C	Distance	mm	600	600	600	600	600	600	600	600	600
DRIVING SYSTEM		Escort	type	•	•	•	•	•	•	•	•	•
DIMENSIONS												
ELEVATION	h3	Elevation	mm	4500	4500	5000	5000	5000	5000	5000	5000	5000
	h2	Normal free elevation	mm	-	1510	-	1677	-	1677	-	1677	1677
LENGTH	l	Fork length	mm	1150	1150	1150	1150	1150	1150	1150	1150	1150
	nx51	Fork width x thickness	mm	170x70	170x70	170x70	170x70	170x70	170x70	170x70	170x70	170x70
DIMENSIONS	L	Total length (+footplate raised / lowered)	mm	2001 (2093/2504)	2001 (2093/2504)	2001 (2093/2504)	2001 (2093/2504)	2001 (2093/2504)	2001 (2093/2504)	2001 (2093/2504)	2001 (2093/2504)	2001 (2093/2504)
	L2	Steer unit length (+footplate raised / lowered)	mm	851 (943/1354)	851 (943/1354)	851 (943/1354)	851 (943/1354)	851 (943/1354)	851 (943/1354)	851 (943/1354)	851 (943/1354)	851 (943/1354)
	B	Width	mm	850	850	850	850	850	850	850	850	850
	h1	Minimum dimensions	mm	2099	2132	2266	2299	2266	2299	2266	2299	2299
	h4	Maximum dimensions	mm	5039	5072	5540	5572	5540	5572	5540	5572	5572
TURNINGS RADIUS	Wa	(+footplate raised / lowered)	mm	1649 (1702/2169)	1649 (1702/2169)	1649 (1702/2169)	1649 (1702/2169)	1649 (1702/2169)	1649 (1702/2169)	1649 (1702/2169)	1649 (1702/2169)	1649 (1702/2169)
STOWAGE PASSAGE	Ast	800x1200 (+footplate raised / lowered)	mm	2252 (2325/2736)	2252 (2325/2736)	2252 (2325/2736)	2252 (2325/2736)	2252 (2325/2736)	2252 (2325/2736)	2252 (2325/2736)	2252 (2325/2736)	2252 (2325/2736)
PERFORMANCE												
SPEED		Translation with / without load	km/h	5,5/6	5,5/6	5,5/6	5,5/6	5,5/6	5,5/6	5,5/6	5,5/6	5,5/6
		Lifting with / without load	m/s	0,13/0,17	0,12/0,17	0,13/0,17	0,13/0,17	0,13/0,17	0,13/0,17	0,13/0,17	0,13/0,17	0,13/0,17
		Descent with / without load	m/s	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1
MAX SUPERABLE GRADIENT		With / without load	%	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
WEIGHTS												
EMPTY WEIGHT		With battery 180 Ah	kg	1010	1069	1088	1104	1088	1104	1088	1104	1104
AXLE LOADING		With load (driver / load)	kg	881/1529	919/1550	945/1543	944/1560	945/1543	944/1560	945/1543	944/1560	944/1560
		Without load (driver / load)	kg	671/339	725/344	735/353	750/354	735/353	750/354	735/353	750/354	750/354
FRAME												
WHEELS		Driver side / load	Nr	2+1M/4	2+1M/4	2+1M/4	2+1 M/4	2+1M/4	2+1 M/4	2+1M/4	2+1 M/4	2+1 M/4
		Driver side / load	type	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P	P+G/P
TYRES		Drive wheel dimensions	mmØ	250x101	250x101	250x101	250x101	250x101	250x101	250x101	250x101	250x101
		Stabilizer wheels dimensions	mmØ	125x50	125x50	125x50	125x50	125x50	125x50	125x50	125x50	125x50
		Load side dimensions	mmØ	82x70	82x70	82x70	82x70	82x70	82x70	82x70	82x70	82x70
WHEELS BASE	Y	Back / Front	mm	1429	1429	1429	1429	1429	1429	1429	1429	1429
	X	Front/Forks end	mm	353	353	353	353	353	353	353	353	353
OPERATING BRAKE		Electric	type	•	•	•	•	•	•	•	•	•
ELECTRICAL EQUIPMENT												
ELECTRIC MOTORS		Traction motor	kW	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
		Lifting motor	kW	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0	3,0
SPEED CONTROL		Electronic	type	•	•	•	•	•	•	•	•	•

G=Rubber, P=Polyurethane | Available with carved driving wheel ring

OPTIONALS	
FOOTPLATE	
CODE	HZ000500001
DOUBLE LIFTING COMMAND	
CODE	HZ000500000
POLYURETHANE DRIVING WHEEL RING	
CODE	HZ000500003

ACCESSORIES				
BATTERY				
CODE		HY000A00000	HY000A00001	HY000A00002
TYPE	V/Ah	24/180	24/210	24/315
ENDURANCE	h	6	8	10
WEIGHT	Kg	200	215	285
CHARGER				
CODE		EY000A00004	HY000A00005	HY000A00003
CODE UK		EY000A00005	HY000A00006	HY000A00004
TYPE	V/Ah	24/30	24/40	24/50



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STACKERS

Residual lifting capacity

h3



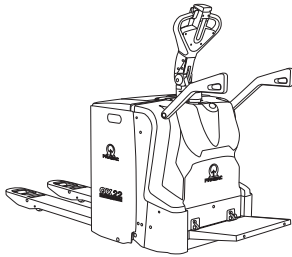
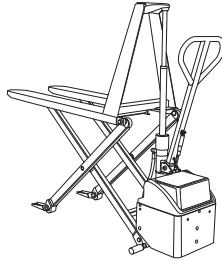
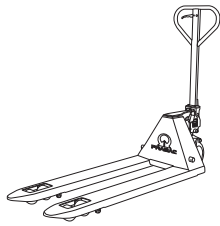
* h3	900	1000	1200	1600	2000	2500	2900	3300	3500	3600	3800	3850	4000	4500	5000
MODELS															
MX 510	-	500 Kg	-	-	-	-	-	-	-	-	-	-	-	-	-
MX 516	-	-	-	500 Kg	-	-	-	-	-	-	-	-	-	-	-
MX 1016	-	-	-	1000 Kg	-	-	-	-	-	-	-	-	-	-	-
TX 10/09	1000 Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TX 10/16	-	-	-	1000 Kg	-	-	-	-	-	-	-	-	-	-	-
TX 10/20	-	-	-	-	1000 Kg	-	-	-	-	-	-	-	-	-	-
TX 12/25	-	-	-	-	-	1200 Kg	-	-	-	-	-	-	-	-	-
TX 12/29	-	-	-	-	-	1200 Kg	800 Kg	-	-	-	-	-	-	-	-
TX 12/35	-	-	-	-	-	1200 Kg	800 Kg	-	600 Kg	-	-	-	-	-	-
GX 10/09	1000 Kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GX 10/16	-	-	-	1000 Kg	-	-	-	-	-	-	-	-	-	-	-
GX 10/20	-	-	-	-	1000 Kg	-	-	-	-	-	-	-	-	-	-
GX 12/25	-	-	-	-	-	1200 Kg	-	-	-	-	-	-	-	-	-
GX 12/29	-	-	-	-	-	1200 Kg	800 Kg	-	-	-	-	-	-	-	-
GX 12/35	-	-	-	-	-	1200 Kg	800 Kg	-	600 Kg	-	-	-	-	-	-
TX 10/16 straddle	-	-	-	1000 Kg	-	-	-	-	-	-	-	-	-	-	-
GX 12/25 straddle	-	-	-	-	-	1200 Kg	-	-	-	-	-	-	-	-	-
GX 12/29 straddle	-	-	-	-	-	-	1200 Kg	-	-	-	-	-	-	-	-
GX 12/35 straddle	-	-	-	-	-	-	-	-	1200 Kg	-	-	-	-	-	-
GX 12/38 straddle	-	-	-	-	-	-	-	-	-	1200 Kg	-	-	-	-	-
FX 12/29	-	-	-	-	-	1200Kg	1100Kg	-	-	-	-	-	-	-	-
FX 12/35	-	-	-	-	-	1200Kg	1100Kg	-	800Kg	-	-	-	-	-	-
FX 12/38	-	-	-	-	-	1200Kg	1100Kg	-	800Kg	-	-	700Kg	-	-	-
LX 12/16	-	-	-	1200 Kg	-	-	-	-	-	-	-	-	-	-	-
LX 12/25	-	-	-	-	-	1200 Kg	-	-	-	-	-	-	-	-	-
LX 12/29	-	-	-	-	-	1200 Kg	1100 Kg	-	-	-	-	-	-	-	-
LX 12/35	-	-	-	-	-	1200 Kg	1100 Kg	-	800 Kg	-	-	-	-	-	-
LX 16/16	-	-	-	1600 Kg	-	-	-	-	-	-	-	-	-	-	-
LX 16/25	-	-	-	-	-	1600 Kg	-	-	-	-	-	-	-	-	-
LX 16/29	-	-	-	-	-	1600 Kg	1300 Kg	-	-	-	-	-	-	-	-
LX 16/35	-	-	-	-	-	1600 Kg	1300 kg	-	1000 Kg	-	-	-	-	-	-
LX 14/45	-	-	-	-	-	-	1400 Kg	-	1200 Kg	-	-	-	1000 Kg	800 Kg	-
LX 14/45 Free Lift	-	-	-	-	-	-	1400 Kg	-	1200 Kg	-	-	-	1000 Kg	800 Kg	-
LX 14/50	-	-	-	-	-	-	1400 Kg	-	1200 Kg	-	-	-	1000 Kg	800 Kg	600 Kg
LX 14/50 Free Lift	-	-	-	-	-	-	1400 Kg	-	1200 Kg	-	-	-	1000 Kg	800 Kg	600 Kg

*h3: Lifting height (mm)
Load center at C = 600mm

SPECIAL HANDLING SOLUTIONS

Possible customised modifications by Series.

In case you may need further modifications please contact our local sales network.



HPT (G5/B - Mr Hydro/X - Mr Hydro/I excluded)

- Forks width: from 350mm to 800mm
- Forks length: from 500mm to 2000mm
- Frame Galvanization of standard HPT

SCALES (G5/P inox excluded)

- Forks width: from 450mm to 800mm
- Forks length: from 500mm to 2000mm

HX 10M - High Lift Pallet Truck

- Forks length: from 700mm to 2000mm
- Forks width: from 470mm to 680mm
- Frame Galvanization

HX 10E - High Lift Pallet Truck

- Forks length: from 700mm to 2000mm
- Forks width: from 470mm to 680mm
- Frame Galvanization
- Auto levelling system*
- Battery charger built in*

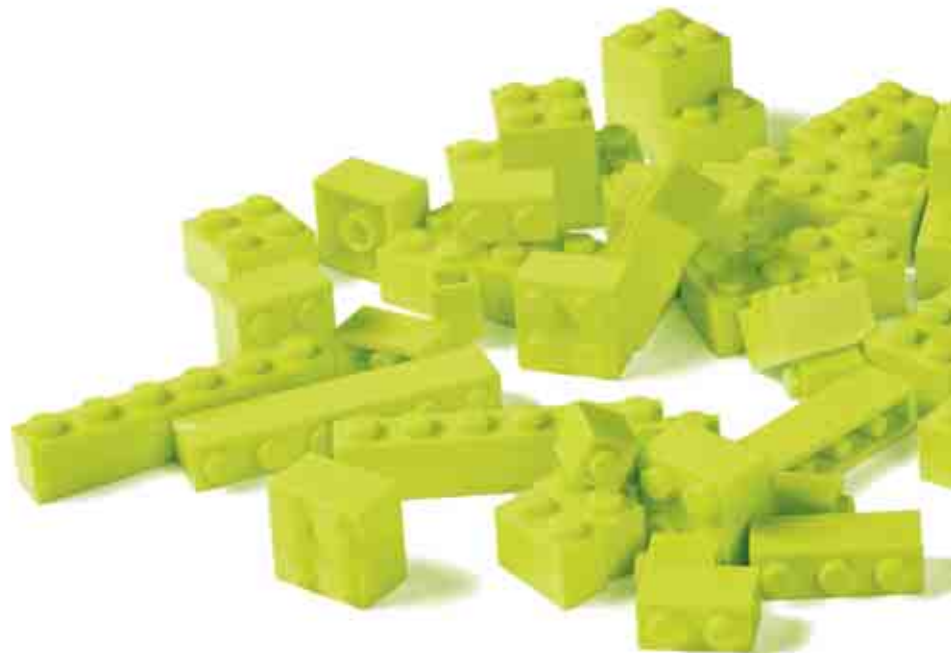
CX14 - EPT

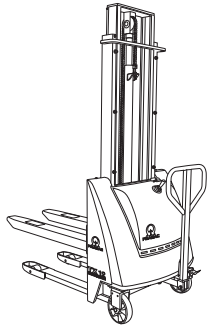
- Forks width: from 350mm to 685mm
- Forks length: from 500mm to 2000mm
- Frame Galvanization
- Load Back Rest
- Gel version with dry batteries

QX - EPT

- Forks width: from 420mm to 680mm
- Forks length: from 500mm to 2000mm
- Weighting system
- Kit for cold storage (max. -25°C)
- Frame Galvanization
- Load Back Rest

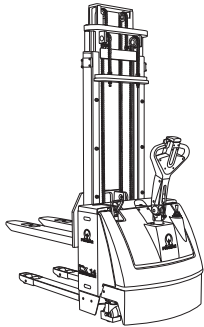
* Models with a working width (B) of 680mm





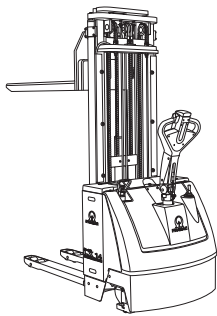
TX - Stackers

- Legs and forks width: from 500mm to 800mm
- Forks length: from 500mm to 1150mm
- Max lifting height reduction



GX - Stackers

- Legs and forks width: from 500mm to 800mm
- Forks length: from 500mm to 1150mm
- Max lifting height reduction/meter or fraction



TX STRADDLE - Stackers

- Useful width for pallets (B2) up to 1500mm
- Forks length: from 500mm to 1500mm
- Max lifting height reduction
- TX12 Straddle version

GX STRADDLE - Stackers

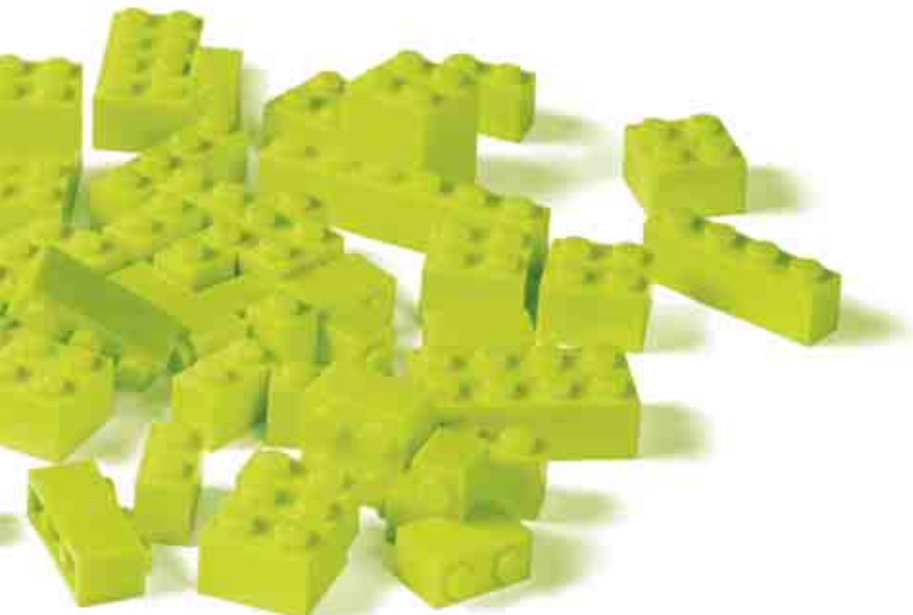
- Useful width for pallets (B2) up to 1500mm
- Forks length: from 500mm to 1500mm
- Max lifting height reduction
- GX10 Straddle version

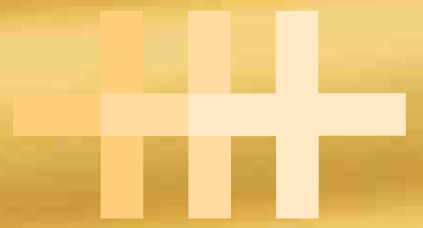
FX12 - Stackers

- Legs and forks width: from 500mm to 800mm
- Forks length: from 800mm to 1150mm
- Max lifting height reduction
- Kit for cold storage (max. -20°C)
- Straddle version

LX - Stackers

- Legs and forks width: from 500mm to 800mm
- Forks length: from 800mm to 1150mm
- Max lifting height reduction
- Kit for cold storage (max. -20°C)
- Straddle version





[Energy mover]



2007 MotoGP World Championship



EUROPE

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