PRODUCT CATALOGUE









WORLDWIDE

Pramac group operates through a proprietary distribution network of 15 branches covering the whole world.

BUSINESS AREAS

POWER MATERIAL HANDLING EQUIPMENT SERVICE&PARTS PRAMAC RACING TEAM

PRAMAC history starts in 1966, when the Campinoti family founded L'Europea, a construction equipment company focused mainly in the Italian market. From then onwards PRAMAC has been expanding its activity in the energy and material handling sector, continuously growing on a global base with a wide and flexible product range to satisfy customers' energy needs in the world.









Since 1966 the company has been developing, manufacturing and selling from its italian plant, a complete range of handling products aiming to satisfy any requirement expressed by Customers. The highly experienced personnel, the fully integrated production processes (from sheet metal to the finished product) and the on-going development of our trucks ensure that the entire range machines delivers top quality build and performance. From light duty to most intense applications, the extreme care and dedication to innovation, guarantee that the entire range of machines comply with all applicable safety regulations. Through the network of Pramac branches we directly provide customers with the highest level of assistance during the entire supply process, from sales advice to aftersales support. Quality, innovation and reliability: these are the criteria that lead our team towards its final objective, Customer satisfaction!

The strategic objective of final customer satisfaction can only be reached if the quality of the products being offered is high. This is what the PR INDUSTRIAL group assumes for its production philosophy. The continuous improvement of all company processes, formulated with absolute respect for the environment and the specialized training of its personnel are part of the Total Quality programme which the company supports.

We believe in and we promote our own real Culture for Quality with respect for the environment and regarding all specific standards. A concrete testimony of our commitment is the European and Extra-European certificates obtained by the company at a group level.



SERVICE & PARTS

The after sales service supports our customers at every stage of the professional relationship, with availability of the full range of spare parts and components and a highly trained professional after sales team, answering requests worldwide. We ensure a quick service, taking advantage of our worldwide approved service network. Our website - **www.pramacparts.com** - is the powerfull tool to support every after market aspects.

Following registration process, you will have access to a wide range of information. Our portal provides detailed documentation and useful supports like:

- Product exploded drawings
- User manuals;

GS/P25

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- Maintenance programs;
- Technical training activities;
- Service network point locator;
- Additional technical documentation;
- S&P catalogues and pricelist.

EXPERIENCE AND TECHNOLOGY TO DEVELOP TAILORED SOLUTIONS



OUR SOLUTIONS TO YOUR NEEDS

Our main objective is the complete customer satisfaction. This is possible only because we hardly work to provide best solutions to fulfill each and every customer need. This is the reason why we have created a product line dedicated to special solutions, providing customers with our vast professional experience focused on analyzing every single requirement. Indeed, this line integrates the high quality levels of our standard production line with the fl exibility and versatility of custom made products.



Here the list of possible customized modifictations that we can offer. In case you may need further modifications, please, contact our local sales network.

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

- Forks width: from 350mm to 800mm
- Forks length: from 500mm to 2.000mm
- Frame galvanization of standard HPT
- Coil carrier
- ATEX certification

SCALES (GS/P Stainless steel excluded)

- Forks width: from 450mm to 800mm
- Forks length: from 500mm to 2.000mm
- ATEX certification

HX 10M - HIGH LIFT PALLET TRUCK

- Forks length: from 700mm to 2.000mm
- Forks width: from 470mm to 680mm
- Frame galvanization
- Manual brake
- ATEX certification

HX 10E - HIGH LIFT PALLET TRUCK

- Forks length: from 700mm to 2.000mm
- Forks width: from 470mm to 680mm
- Frame galvanization
- Auto leveling system *
- Battery charger built in *
- PLUS version with battery indicator
- ATEX certification

CX 14 - EPT

- Forks width: from 350mm to 685mm
- Forks length: from 500mm to 2.000mm
- Frame galvanization
- Load back rest

- QX EPT (double lifting excluded)
- Forks width: from 420mm to 680mm
- Forks length: from 800mm to 2.000mm
- Weighting system
- Kit for cold storage (max. -20°C)
- Frame galvanization
- Load back rest
- ATEX certification

TX - STACKERS

- Legs and forks width: from 500mm to 800mm
- Forks length: from 800mm to 1.150mm
- Max lifting height reduction
- ATEX certification
- Forks thickness reduction
- FEM forks
- PLUS version
- FLUS version

RX - STACKERS

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

GX - STACKERS

- Legs and forks width: from 500mm to 800mm
- Forks length: from 500mm to 1.150mm
- Max lifting height reduction / meter or fraction
- ATEX certification
- Forks thickness reduction
- FEM forks
- Straddle version

TX STRADDLE - STACKERS

- Useful width for pallets (B2) up to 1.500mm
- Forks length: from 500mm to 1.500mm
- Max lifting height reduction
- TX12 Straddle version
- ATEX certification

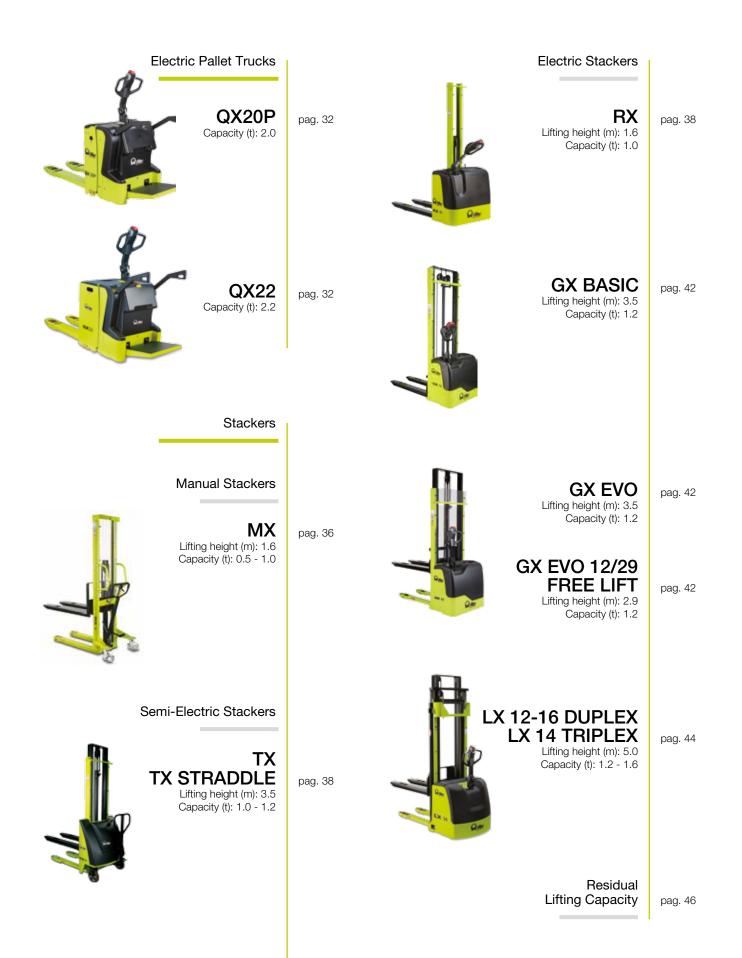
LX - STACKERS

- Legs and forks width: from 500mm to 800mm
- Forks length: from 800mm to 1.150mm
- Max lifting height reduction
- Kit for cold storage
- Straddle version
- ATEX certification
- Forks thickness reduction
- FEM forks

* Models with a working width (b5) of 680mm

PRODUCT RANGE









TECHNO-POLYMER HAND PALLET TRUCKS

We are the only handling system manufacturer in the world introducing an innovative hand pallet truck made of non-metallic material. I-ton represents a real revolution making easier handling materials with respect for people, goods, work and environment. The use of a fiber glass reinforced techno-polymer compound, ensures some benefits in terms of lightness, maneuverability, noise level, environmental impact and cleanness.

I-TON

I-NOX



I-ton is the only pallet truck in the world made of non-metallic material. The new techno-polymer compound, based on modern technologies, is highly rigid and offers some important benefits:

- It is light
- It doesn't deform permanently
- It can be used in a broad temperature range
- It preserves its surface characteristics even when it is exposed to external corrosion agents







The integrated slide in the frame allows a safe entry of forks inside the pallet, reducing impact against rollers and related wear.

SAFE ENTRY OF THE ROLLERS

QUICK LIFT FORKS Maximum forks elevation can be reached with a limited number of strokes, reducing operator's effort and lifting work time.

ERGONOMIC TILLER The innovative tiller design helps

operations with one hand only, ensuring a very solid tiller grip.



ERGONOMIC TILLER

Ergonomic 3 positioning lever at the touch of a finger



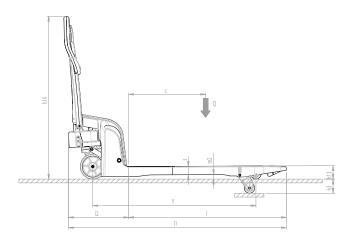




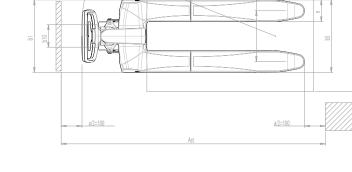


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Techno-polymer hand pallet trucks







DESCRIPTION

I-TON VALUES

• Ergonomic for people

I-ton is light, quiet and has great maneuverability, making easier operator worklife, even for non professional users.

• Ergonomic of handling goods

I-ton guarantees quality and efficiency, assuring no corrosion, no rust and no contamination.

• Ergonomic for work

It is the hand pallet truck fitting to the widest range of applications, easy to be used by all the operators, guaranteeing a valuable improvement of productivity.

• Ergonomic for the environment

The material used for I-ton and the productive process guarantee fewer CO2 emissions during its life cycle, at the end of which it can be easily disassembled and recycled.

I-NOX

Stainless steel components replace the carbon steel ones of the standard version, also lubricants suitable for food contact and low temperature oils are used, making I-ton the ideal solution to operate in clean environments, where hygiene and extreme corrosion resistance are of the utmost importance, such as:

- Cold store environments
- Wet conditions
- In the presence of acid or saline solutions
- Sterile environments

I-nox has ideal features to work in environments such as:

- Harbours
- Chemical industry
- · Food industry, also in meat and fish processing
- Fruit & Vegetables markets
- Pharmaceutical industry
- Health care field

1.3 DRIVE MANUAL MANUAL 1.4 OPERATOR TYPE PEDESTRIAN PEDESTRIAN 1.5 LOAD CAPACITY Q kg 1000 700 1.6 LOAD CENTRE DISTANCE c mm 600 600 1.8 LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK x mm 925 925 1.9 WHEEL BASE y mm 1182 1182 VEIGHT kg 37-38 37-38 2.1 SERVICE WEIGHT kg 300/737-738 218/519-3 2.3 AXLE LOAD LADEN, FRONT/REAR kg 300/737-738 218/519-3 2.3 AXLE LOAD UNLADEN, FRONT/REAR kg 300/737-738 218/519-3 2.3 AXLE LOAD UNLADEN, FRONT/REAR kg 20/73-738 218/519-3 2.3 AXLE LOAD UNLADEN, FRONT/REAR kg 20/73-738 218/519-3 3.4 SIDE WHEELS (Ø x width) - - - - 3.4 SIDE WHEELS (Ø x width) - - - - 3.6 TREAD, FRONT b10	1.3				I-ton S2-S4	I-nox S2-S4
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4.4 LIFT h3 mm 115 115 4.9 HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX h14 mm 615/1175 615/1175 4.15 HEIGHT, LOWERED h13 mm 85 85 4.19 OVERALL LENGTH 11 mm 1575 1575 4.20 LENGTH TO FACE OF FORKS 12 mm 425 425 4.21 OVERALL WIDTH b1 mm 520 520 4.22 FORK DIMENSIONS s/e/l mm 60/155/1150 60/155/1150 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 520 520 4.23 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 25 520	3.7	TREAD, REAR	b11	mm	365	365
4.9 HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX h14 mm 615/1175 615/117 4.15 HEIGHT, LOWERED h13 mm 85 85 4.19 OVERALL LENGTH 11 mm 1575 1575 4.20 LENGTH TO FACE OF FORKS 12 mm 425 425 4.21 OVERALL WIDTH b1 mm 520 520 4.22 FORK DIMENSIONS s/e/l mm 60/155/1150 60/155/1150 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 520 520 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 25 520	DIME	NSIONS				
4.15 HEIGHT, LOWERED h13 mm 85 85 4.19 OVERALL LENGTH I mm 1575 1575 4.20 LENGTH TO FACE OF FORKS I2 mm 425 425 4.21 OVERALL WIDTH b1 mm 520 520 4.22 FORK DIMENSIONS s/e/I mm 60/155/1150 60/155/1150 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 520 520 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE mm 25 52	4.4	LIFT	h3	mm	115	115
4.19 OVERALL LENGTH 11 mm 1575 1575 4.20 LENGTH TO FACE OF FORKS i2 mm 425 425 4.21 OVERALL WIDTH b1 mm 520 520 4.22 FORK DIMENSIONS sc/l mm 60/155/11 60/155/11 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 520 520 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 25 25	4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	615/1175	615/1175
4.20 LENGTH TO FACE OF FORKS 12 mm 425 425 4.21 OVERALL WIDTH b1 mm 520 520 4.22 FORK DIMENSIONS sc/l mm 60/155/1150 60/155/1150 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 520 520 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 25 520	4.15	HEIGHT, LOWERED	h13	mm	85	85
4.21 OVERALL WIDTH b1 mm 520 520 4.22 FORK DIMENSIONS s/e/l mm 60/155/1150 60/155/1150 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 520 520 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 25 25	4.19	OVERALL LENGTH	11	mm	1575	1575
4.22 FORK DIMENSIONS s/e/l mm 60/155/1150 60/155/11 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 520 520 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 25 25	4.20	LENGTH TO FACE OF FORKS	12	mm	425	425
4.25 DISTANCE BETWEEN FORK ARMS b5 mm 520 520 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 25 25	4.21	OVERALL WIDTH	b1	mm	520	520
4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 25 25	4.22	FORK DIMENSIONS	s/e/l	mm	60/155/1150	60/155/1150
,	4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	520	520
	4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	25	25
4.33 AISLE WIDTH FOR PALLETS 1000x1200 CRUSSWISE AST mm 1644 1644	4.33	AISLE WIDTH FOR PALLETS 1000x1200 CROSSWISE	Ast	mm	1644	1644
4.34 AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE Ast mm 1844 1844	4.34	AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	1844	1844
4.35 TURNING RADIUS Wa mm 1369 1369	4.35	TURNING RADIUS	Wa	mm	1369	1369
PERFORMANCE DATA	PERF	ORMANCE DATA				
	5.2	LIFT SPEED, LADEN/UNLADEN		strokes	9/9	9/9
5.2 LIFT SPEED, LADEN/UNLADEN strokes 9/9 9/9	5.3	LOWERING SPEED, LADEN/UNLADEN		m/s	0,05/0,02	0,05/0,02

G = Rubber, N = Nylon, P = Polyurethane, A = Steel, NE = Nylon extra





MANUAL TRUCKS

The manual trucks range, produced in Italy, offers a complete series of ideal tools for handling pallets of any size. The range is made up of reliable products of high quality with a three-year warranty. Lifter by Pramac products are available in a wide range of models, with possible customisations based on specific final users requirements, offering tailor made solutions designed by the internal R&D department.

Manual Trucks

GS

GS BASIC GS PRO, GS SPECIAL GS PREMIUM, GS SILENCE

GS BASIC

The GS basic pallet truck is the model of access to the range of Lifter hand pallet trucks with which it shares reliability and solidity. Available with fork length 800 and 1.150 mm.

GS PRO, SPECIAL *

The GS pro pallet truck is equipped as a standard with a start and exit roller and a more ergonomic handle. The special series allows for the handling of pallets of any size thanks to the great variety of frames. The new 3.000 Kg model offers a load capacity of 3.000 Kilograms thanks to its reinforced structure.

GS PREMIUM *

The GS premium pallet truck offers innovative cutting-edge solutions, such as the tilt guide wheel, the load lowering speed control, the covered steering wheel, apart from a certified hydraulic unit for 50.000 Cycles.

GS SILENCE *

The GS Silenced hand pallet truck has been designed to strongly reduce the noise emission even in the worse working condition: rough and tiled surfaces. The result is an ideal machine for the usage on residential areas, deliveries and in supermarket stores. needs of manual handling. For the transport of fragile and delicate loads, such as

GS series is a suitable practical solution meeting all the

loads of glass or ceramics, the premium version includes a sensitive and safe forks lowering control system. The special series, with its broad choice of forks dimensions, guarantees solutions to handle any type of pallet; finally, the pro version, also available with a 3.000 Kg load capacity, completes the range of Lifter pallet trucks that are completely made in italy.





Available accessories: tandem rollers, polyurethane rollers (as a standard on Premium), rubber guide wheels, manual control brake



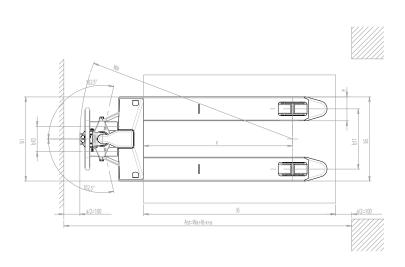
MAXIMUM PRESSURE VALVE When the maximum load capacity is exceeded, oil pressure exceeds its maximum limit and the valve automatically locks the forks. Thus possible structural damage is avoided

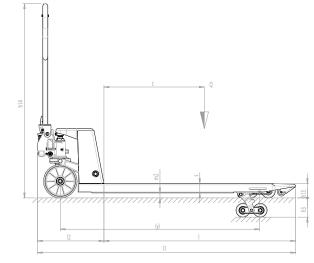


PAINTING

Following an appropriate conditioning operation the frame is varnished with epoxy-polyester powder at a temperature of 250° to guarantee maximum resistance to wear and atmospheric agents.

Manual Trucks





DESC	RIPTION										
1.2	MODEL			GS BASIC 22 S2-S4	GS PRO 25 S2-S4	GS PREMIUM 25 S2-S4	GS/AV PRO 25 S2-S4	GS PRO 30 S4	GS/L PRO 25 S2-S4	GS/M PRO 25 S2-S4	GS B 20 S4
1.3	DRIVE			MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL
1.4	OPERATOR TYPE			PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
1.5	LOAD CAPACITY	Q	kg	2200	2500	2500	2500	3000	2500	2500	2000
1.6	LOAD CENTRE DISTANCE	C	mm	600	600	600	600	600	600	400	600
1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	932	932	932	932	932	932	582	945
1.9	WHEEL BASE	у	mm	1192	1192	1192	1192	1192	1192	842	1192
WEIG	HTS										
2.1	SERVICE WEIGHT		kg	61-63	61-63	63-65	61-63	79	66-68	52-54	71
2.2	AXLE LOAD LADEN, FRONT/REAR		kg	655/1606-1608	767/1794-1796	739/1824-1826	738/1823-1825	889/2190	771/1795-1797	691/1861-1863	693/1378
2.3	AXLE LOAD UNLADEN, FRONT/REAR		kg	42/19-21	42/19-21	43/20-22	42/19-21	53/26	46/20-22	35/17-19	48/23
TYRE	S/CHASSIS										
3.1	TYRES			P/N	P/N	P/P	P/N	P/N	P/N	P/N	P/A
3.2	TYRE SIZE, FRONT (Ø x width)			200x45	200x55	200x55	200x55	200x55	200x55	200x55	200x55
3.3	TYRE SIZE, REAR (Ø x width)			82x82-60	82x82-60	82x82-60	82x82-60	82x60	82x82-60	82x82-60	50x58
3.4	SIDE WHEELS (Ø x width)			-	-	-	-	-	-	-	-
3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			2/2-2/4	2/2-2/4	2/2-2/4	2/2-2/4	2/4	2/2-2/4	2/2-2/4	2/4
3.6	TREAD, FRONT	b10	mm	155	155	155	155	155	155	155	130
3.7	TREAD, REAR	b11	mm	375	375	375	375	375	535	250	365
DIME	NSIONS										
4.4	LIFT	h3	mm	115	115	115	115	115	115	115	115
4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	690/1160	690/1160	690/1160	415/1250	690/1160	690/1160	690/1160	690/1160
4.15	HEIGHT, LOWERED	h13	mm	85	85	85	85	85	85	85	55
4.19	OVERALL LENGTH	11	mm	1550	1550	1550	1550	1550	1550	1200	1550
4.20	LENGTH TO FACE OF FORKS	12	mm	400	400	400	400	400	400	400	400
4.21	OVERALL WIDTH	b1	mm	525	525	525	525	525	685	400	525
4.22	FORK DIMENSIONS	s/e/l	mm	55/150/1150	55/150/1150	55/150/1150	55/150/1150	55/150/1150	55/150/1150	55/150/800	40/160/115
4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	525	525	525	525	525	685	400	525
4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	30	30	30	30	30	30	30	15
4.34	AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	1835	1835	1835	1835	1835	1835	1435	1822
4.35	TURNING RADIUS	Wa	mm	1367	1367	1367	1367	1367	1367	1017	1367
PERF	ORMANCE DATA										
5.2	LIFT SPEED, LADEN/UNLADEN		strokes	13/13	13/13	13/13	13/6	13/13	13/13	13/13	13/13

FORK LENGTH	I.	mm	600	800	950	1000	1150	1220	1350	1500	1800	2000
LOAD CENTRE DISTANCE	C	mm	300	400	475	500	600	610	675	750	900	1000
WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			2/2-2/4	2/2-2/4	2/2-2/4	2/2-2/4	2/2-2/4	2/2-2/4	2/4	2/4	2/4	2/4
OVERALL LENGTH	11	mm	1000	1200	1350	1400	1550	1620	1750	1900	2200	2400
LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	382	582	732	782	932	1002	1132	1282	1582	1782
WHEEL BASE	у	mm	642	842	992	1042	1192	1262	1392	1542	1842	2042
SERVICE WEIGHT		kg	52-54	57-59	59-61	60-62	63-65	65-67	90	112	127	134
AXLE LOAD LADEN, FRONT/REAR		kg	356/2196-2198	580/1017-1435	688/1871-1873	716/1844-1846	739/1824-1826	821/1744-1746	880/1710	929/1717	1002/1625	1037/1597
AXLE LOAD UNLADEN, FRONT/REAR		kg	37/15-17	40/17-19	40/19-21	39/21-23	43/20-22	44/21-23	59/31	66/46	76/51	80/54
TURNING RADIUS	Wa	mm	817	1017	1167	1217	1367	1437	1567	1717	2017	2217
AISLE WIDTH FOR PALLETS 800x1200-I LENGTHWISE	Ast	mm	1235	1435	1585	1635	1835	1855	1985	2135	2435	2635

Mr. Hydro

GS/G

The galvanised pallet truck offers good resistance to corrosion thanks to the hot dip galvanizing process of the frame, the control linkages of the pump body and the handle.

GS/X

In this version the parts getting in contact with the load and the operator are of AISI 304 electropolished stainless steel, while the remaining parts are subject to a hot dip galvanising treatment.

GS/I

Inox aisi 304 electropolished stainless steel is used for all metal sheet parts, while the pump is made of brass.

GS/Galvanised, Stainless steel and Galvinox



Manual Trucks

Mr. Hydro series, which is available in a several number of versions, is the ideal tool to handle loads in humid and damp conditions.

In particular the stainless steel model is suitable for environments where high hygienic standards are enforced, such as the chemical, pharmaceutical or food & beverage industry.







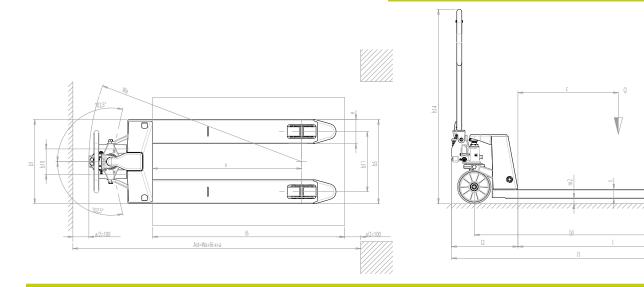
HYDRAULIC PUMP MADE OF BRASS In the stainless steel version the hydraulic pump is made of brass to offer maximum resistance to humidity and oxidation.



ELECTROPOLISHING

The use of Inox AISI 304, combined with an electropolishing surface treatment, provides the machine with better appearance. Resistance to corrosion also guarantees maximum hygiene.

Manual Trucks



DESC	RIPTION							
1.2	MODEL			GS/G 25 S2-S4	GS/X 25 S2-S4	GS/I 25 S2-S4	GS/L G 25 S2-S4	GS/M G 25 S2-S4
1.3	DRIVE			MANUAL	MANUAL	MANUAL	MANUAL	MANUAL
1.4	OPERATOR TYPE			PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
1.5	LOAD CAPACITY	Q	kg	2500	2500	2500	2500	2500
1.6	LOAD CENTRE DISTANCE	C	mm	600	600	600	600	400
1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	932	932	932	932	582
1.9	WHEEL BASE	у	mm	1192	1192	1192	1192	842
WEIG	HTS							
2.1	SERVICE WEIGHT		kg	61-63	62-64	67-69	66-68	52-54
2.2	AXLE LOAD LADEN, FRONT/REAR		kg	738/1823-1823	739/1823-1825	742/1825-1827	771/1795-1797	575/1977-1979
2.3	AXLE LOAD UNLADEN, FRONT/REAR		kg	42/19-21	43/19-21	46/21-23	46/20-22	35/17-19
TYRE	S/CHASSIS							
3.1	TYRES			N/N	NE/NE	NE/NE	N/N	N/N
3.2	TYRE SIZE, FRONT (Ø x width)			200x50	200x50	200x50	200x50	200x50
3.3	TYRE SIZE, REAR (Ø x width)			82x82-60	82x82-60	82x82-60	82x82-60	82x82-60
3.4	SIDE WHEELS (Ø x width)			-	-	-	-	-
3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			2/2-2/4	2/2-2/4	2/2-2/4	2/2-2/4	2/2-2/4
3.6	TREAD, FRONT	b10	mm	155	155	155	155	155
3.7	TREAD, REAR	b11	mm	375	375	375	535	250
DIME	NSIONS							
4.4	LIFT	h3	mm	115	115	115	115	115
4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	690/1160	690/1160	690/1160	690/1160	690/1160
4.15	HEIGHT, LOWERED	h13	mm	85	85	85	85	85
4.19	OVERALL LENGTH	11	mm	1550	1550	1550	1550	1200
4.20	LENGTH TO FACE OF FORKS	12	mm	400	400	400	400	400
4.21	OVERALL WIDTH	b1	mm	525	525	525	685	400
4.22	FORK DIMENSIONS	s/e/l	mm	55/150/1150	55/150/1150	55/150/1150	55/150/1150	55/150/800
4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	525	525	525	685	400
4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	30	30	30	30	30
4.35	TURNING RADIUS	Wa	mm	1367	1367	1367	1367	1017
PERF	ORMANCE DATA							
5.2	LIFT SPEED, LADEN/UNLADEN		strokes	13/13	13/13	13/13	13/13	13/13
COM	PONENT SPECIFICATIONS							
	HYDRAULIC UNIT			GALVANIZED	GALVANIZED	BRASS	GALVANIZED	GALVANIZED
	FRAME			GALVANIZED	INOX	INOX	GALVANIZED	GALVANIZED
	PUSH RODS			GALVANIZED	GALVANIZED	INOX	GALVANIZED	GALVANIZED
	ROCKER ARM			GALVANIZED	GALVANIZED	INOX	GALVANIZED	GALVANIZED
	WHEELS			NYLON	NYLON EXTRA	NYLON EXTRA	NYLON	NYLON
	LOAD ROLLERS			NYLON	NYLON EXTRA	NYLON EXTRA	NYLON	NYLON
	TILLER			GALVANIZED	INOX	INOX	GALVANIZED	GALVANIZED

G = Rubber, N = Nylon, P = Polyurethane, A = Steel, NE = Nylon extra

FORK LENGTH	1	mm	800	1150	1220
LOAD CENTRE DISTANCE	С	mm	400	600	610
WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			2/2-2/4	2/2-4/2	2/2-2/4
OVERALL LENGTH	11	mm	1200	1550	1620
LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	582	932	1002
WHEEL BASE	у	mm	842	1192	1262
SERVICE WEIGHT		kg	55-57	61-63	63-65
AXLE LOAD LADEN, FRONT/REAR		kg	579/1976-1978	738/1823-1825	820/1743-1745
AXLE LOAD UNLADEN, FRONT/REAR		kg	39/16-18	42/19-21	43/20-22
TURNING RADIUS	Wa	mm	1017	1367	1437
AISLE WIDTH FOR PALLETS 800x1200-I LENGTHWISE	Ast	mm	1435	1835	1855

0,750

22

6.9

Scales Trucks

GS/P25

PX20

The Lifter scale truck series is available in two models, both of which equipped with an intelligent weighing device with many operating options. It is suitable for lifting and carrying heavy loads; it is therefore very precise and functional in all internal weighing operations.





DISPLAY

The PX20 pallet truck is a simple, economic and robust tool to be used for the weighing of transported loads. Its large-sized LCD display allows for easy reading of weight and the setting of tare simply and immediately.



FRAME STRUCTURE

The structure is made up of a double frame and a lower fork on which a counter fork is placed; both forks house four load cells that allow for a uniform load distribution, thus keeping weighing precision even in case of collision and unbalanced load.

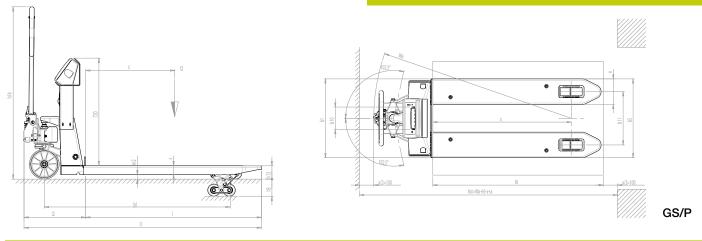


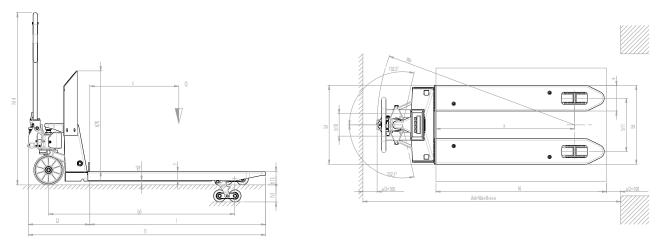
GS/P25 - STAINLESS STEEL GS/P differs from PX20 due to its hydraulic unit of higher load capacity (2.500 kg) and the bigger number of functions, such as the items counter and the load totalization indicator. The pallet truck may also be equipped with a thermal

printer, memory card SD or may be provided in the INOX version. MEMORY CARD SD

GS/P pallet truck is available with printing on SD memory card and approved weighing.

Scales Trucks





DESC	RIPTION						
1.2	MODEL			GS/P	GS/P CE-M HOMOLOGATION	GS/P INOX	PX20
1.3	DRIVE			MANUAL	MANUAL	MANUAL	MANUAL
1.4	OPERATOR TYPE			PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
1.5	LOAD CAPACITY	Q	kg	2500	2500	2500	2000
1.6	LOAD CENTRE DISTANCE	С	mm	600	600	600	600
1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	975,5	975,5	975,5	975
1.9	WHEEL BASE	У	mm	1250	1250	1250	1255
WEIG	ITS						
2.1	SERVICE WEIGHT		kg	124	124	132	113
2.2	AXLE LOAD LADED, FRONT/REAR		kg	787/1837	787/1837	790/1842	633/1480
2.3	AXLE LOAD UNLADEN, FRONT/REAR		kg	77/47	77/47	82/50	71/42
TYRE	S/CHASSIS						
3.1	TYRES			P/P	P/P	NE/NE	P/P
3.2	TYRE SIZE, FRONT (Ø x width)			200x55	200x55	200x50	200x55
3.3	TYRE SIZE, REAR (Ø x width)			82x60	82x60	82x60	82x60
3.4	SIDE WHEELS (Ø x width)			-	-	-	-
3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			2/4	2/4	2/4	2/4
3.6	TREAD, FRONT	b10	mm	155	155	155	155
3.7	TREAD, REAR	b11	mm	375	375	375	375
DIME	VSIONS						
4.4	LIFT	h3	mm	115	115	115	115
4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	690/1160	690/1160	690/1160	690/1160
4.15	HEIGHT, LOWERED	h13	mm	90	90	90	90
4.19	OVERALL LENGTH	11	mm	1596	1596	1596	1596
4.20	LENGHT TO FACE OF FORKS	12	mm	411	411	411	411
4.21	OVERALL WIDTH	b1	mm	555	555	555	555
4.22	FORK DIMENSIONS	s/e/l	mm	60/180/1185	60/180/1185	60/180/1185	60/180/1185
4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	555	555	555	555
4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	30	30	30	30
4.34	AISLE WIDTH FOR PALLETS 800x1200 LENGHTWISE	Ast	mm	1851	1851	1851	1815
4.35	TURNING RADIUS	Wa	mm	1426	1426	1426	1390
PERF	DRMANCE DATA						
5.2	LIFT SPEED, LADEN/UNLADEN		strokes	13/13	13/13	13/13	13/13
SCAL							
6.4	BATTERY VOLTAGE, NOMINAL CAPACITY		V/Ah	6/4	6/4	6/4	6/1,1
	DISPLAY			Liquid crystals/6 digits 25mm	Liquid crystals/6 digits 25mm	Liquid crystals/6 digits 25mm	Liquid crystals/6 digits 25mm
	UNITS OF MEASUREMENT			kg/lb	kg/lb	kg/lb	kg/lb
	FUNCTIONS			Tare/Auto-off/Weight totalizer/Piece counting	Tare/Auto-off/Weight totalizer/Piece counting	Tare/Auto-off/Weight totalizer/Piece counting	Tare/Unbalanced load/Auto-off
	AUTONOMY		h	50	50	50	30
	PRECISION		% full scale	0,05	0,05	0,05	0,05
	LOAD CELLS		n.	4	4	4	4
	DIVISION		kg	0.5	1	0,5	0.5

PX20

High Lift Pallet Trucks

HX HX10M - HX10E

The HX10 series, available in manual and electric version, makes possible an easy and light lifting to a height of 800 mm, thus becoming a practical work platform, which is suitable for places such as machine workshops. This pallet truck is also able to carry out the support function and material supply along the assembly and production lines.



Also available in GEL version and with an integrated battery charger





FRONT AND REAR STABILIZERS

The new control linkage makes the entry onto the closed side of the pallet possible by slight lifting, facilitating successive handling phases. Furthermore, a certain machine stability has been obtained using load rollers in a more advanced position and providing front stabilizers as standard equipment. Rear stabilizers, in turn, render work stable and safe even in the case of elevated loads once the 400 mm of lifting up have been exceeded.



CONTROL LEVER

The hydraulic unit has been recently redesigned to allow for less effort at the steering wheel for all loads and a quick elevated function (30 cycles) for loads up to 150 kg.





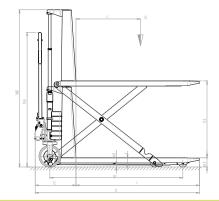
AUTO LEVELLING SYSTEM

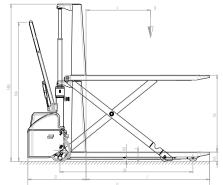
- Automatic system whose photocell adjusts the height of the forks, maintaining the work height set.
- An optical and acoustic signal is activated at every fork movement.
- Possibility of adjusting the photocell
- both in height and reading angle. Micro-limit switch, active both on the way up to prevent superfluous absorption of energy and on the way down to protect the operator.

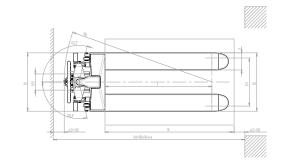
EMERGENCY PUSHBUTTON

The emergency pushbutton with a battery cut-off (isolator) switch function allows for a safer work.

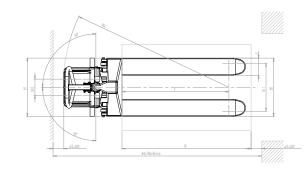
High Lift Pallet Trucks







HX10M



HX10E

DESC	RIPTION									
1.2	MODEL			HX10M 1150x540	HX10M 1150x680	HX10E 1150x540	HX10E 1150x680	HX10E 1500x540	HX10E 1800x540	HX10E 2000x540
1.3	DRIVE			MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL
1.4	OPERATOR TYPE			PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
1.5	LOAD CAPACITY	Q	kg	1000	1000	1000	1000	1000	1000	1000
1.6	LOAD CENTRE DISTANCE	С	mm	600	600	600	600	762	900	1000
1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	993	993	993	993	1368	1643	1843
1.9	WHEEL BASE	у	mm	1236	1236	1236	1236	1611	1886	2086
WEIG	HTS									
2.1	SERVICE WEIGHT		kg	104	111	139 (144*)	146	235 (240*)	259 (264*)	262 (267*)
2.2	AXLE LOAD LADEN, FRONT/REAR		kg	339/765	344/767	429/710 (434/710*)	434/712 (439/712*)	531/704 (536/704*)	572/687 (577/687*)	584/678 (589/678*)
2.3	AXLE LOAD UNLADEN, FRONT/REAR		kg	79/25	84/27	111/28 (116/28*)	116/30	155/80 (160/80*)	178/81 (183/81*)	180/82 (185/82*)
TYRE	S/CHASSIS									
3.1	TYRES			P/P	P/P	G/P	G/P	G/P	G/P	G/P
3.2	TYRE SIZE, FRONT (Ø x width)			200x45	200x45	200x50	200x50	200x50	200x50	200x50
3.3	TYRE SIZE, REAR (Ø x width)			80x50	80x50	80x50	80x50	80x50	80x50	80x50
3.4	SIDE WHEELS (Ø x width)			-	-	-	-	-	-	-
3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			2/2	2/2	2/2	2/2	2/2	2/2	2/2
3.6	TREAD, FRONT	b10	mm	150	150	150	150	150	150	150
3.7	TREAD, REAR	b11	mm	447	587	447	587	447	447	447
DIME	NSIONS									
4.4	LIFT	h3	mm	715	715	715	715	715	715	715
4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	415/1250	415/1250	915/1300	915/1300	915/1300	915/1300	915/1300
4.15	HEIGHT, LOWERED	h13	mm	85	85	85	85	85	85	85
4.19	OVERALL LENGTH	11	mm	1526	1526	1690	1690	2065	2340	2540
4.20	LENGTH TO FACE OF FORKS	12	mm	376	376	540	540	540	540	540
4.21	OVERALL WIDTH	b1	mm	540	680	540	680	540	540	540
4.22	FORK DIMENSIONS	s/e/l	mm	48/160/1150	48/160/1150	48/160/1150	48/160/1150	48/160/1525	48/160/1800	48/160/2000
4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	540	680	540	680	540	540	540
4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	21	21	21	21	21	21	21
4.34	AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	1779	1779	1948	1948	2273	2548	2748
4.35	TURNING RADIUS	Wa	mm	1372	1372	1541	1541	1916	2191	2391
PERF	ORMANCE DATA									
5.2	LIFT SPEED, LADEN/UNLADEN		strokes	62/30	62/30	0,08/0,13	0,08/0,13	0,08/0,13	0,08/0,13	0,08/0,13
5.3	LOWERING SPEED, LADEN/UNLADEN		m/s	0	0	0,13/0,06	0,13/0,06	0,13/0,06	0,13/0,06	0,13/0,06
ELEC	TRIC MOTORS									
6.2	LIFT MOTOR POWER		kW			1,6	1,6	1,6	1,6	1,6
6.4	BATTERY VOLTAGE, NOMINAL CAPACITY C20		V/Ah			12/60	12/60	12/60	12/60	12/60
6.5	BATTERY WEIGHT		kg			14	14	14	14	14
8.4	Sound Level at Driver's Ear		dB(A)			67	67	67	67	67
*G-Ru	hher N-Nvlon P-Polyurethane A-Steel NE-Nvlon extra	* 0n F	oard hat	tory charger version						

*G=Rubber, N=Nylon, P=Polyurethane, A=Steel, NE=Nylon extra * On board battery charger version

MODEL			HX10E 1150x540 GEL/PLUS	HX10E 1500X540 GEL/PLUS	HX10E 1800x540 GEL/PLUS	HX10E 2000x540 GEL/PLUS
SERVICE WEIGHT		kg	145	241	265	268
AXLE LOAD LADEN, FRONT/REAR		kg	435/710	537/704	578/687	590/678
AXLE LOAD UNLADEN, FRONT/REAR		kg	116/28	161/80	184/81	186/82
OVERALL LENGTH	11	mm	1720	2095	2370	2570
LENGTH TO FACE OF FORKS	12	mm	570	570	570	570
AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	1978	2303	2578	2778
TURNING RADIUS	Wa	mm	1571	1946	2221	2421
BATTERY VOLTAGE, NOMINAL CAPACITY C5		V/Ah	12/50 GEL; 60 PLUS			
BATTERY WEIGHT		kg	19	19	19	19





ELECTRIC PALLET TRUCKS

The electric pallet trucks range has been designed to obtain compact machines able to operate even in spaces of extremely limited dimensions, where small sizes of trucks are a prerequisite.

Range of products allows to cover several applications, from light to heavy duty use. On the whole series it is possible to do modifications in order to meet customer needs. The AC technology or the double lifting system are some of the mechanical and technological devices selected to improve and develop solutions that meet material handling market requests.



The CX electric pallet trucks are available in different versions. They are suitable for carrying loads on smooth or paved surfaces. Its small size and turning radius make it the ideal tool to work with in confined spaces, such as lorries or narrow aisles.



Integrated battery and battery charger



STEERING WHEEL AND CONTROLS

- Ergonomic tiller
- Luminous indicator for battery state control.
- Butterfly valves for traction control.
- Safety pushbutton with warning buzzer.
 Forks way up/down control positioned on
- both sides of the handle (only on CX14).
- Hour counter in the Plus and Gel versions (only on CX14).
- "Tortoise" pushbutton for slow motion, which allows for the carrying out of operations with the tiller in vertical position.

COMPACT DIMENSIONS

Thanks to the B1 width, which is equal to the fork gauge, and the L2 measurement of 360 mm, the CX12 electronic pallet truck is the ideal tool for the handling of pallets on lorries, in supermarket aisles and any application where space is limited. This machine is the best configuration in its category thanks to the frame width, in-service weight and turning radius, guaranteeing great maneuverability and compactness.



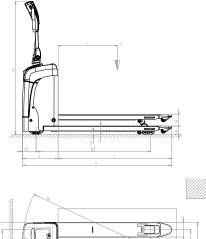
PLUS BATTERIES

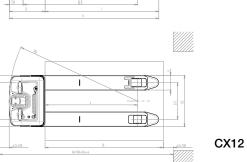
The Plus versions are equipped with semitraction batteries that guarantee greater autonomy and an operative life that allows for up to 5 times higher a number of charge life cycles. Thanks to the design of its guard, access to batteries is easy and rapid; this model also optimally combines size, power and low running cost also due to the integrated batteries and battery charger.

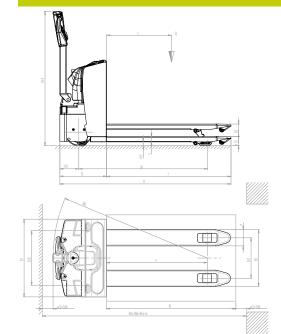


Two stabilizing wheels enable movement even on more difficult surfaces thusguaranteeing maximum stability in any condition of use.









CX14

DESC	RIPTION								
1.2	MODEL			CX12 S2-S4	CX12 PLUS S2-S4	CX12 GEL S2-S4	CX14 S2-S4	CX14 PLUS S2-S4	CX14 GEL S2-S4
1.3	DRIVE			ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
1.4	OPERATOR TYPE			PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
1.5	LOAD CAPACITY	Q	kg	1200	1200	1200	1400	1400	1400
1.6	LOAD CENTRE DISTANCE	С	mm	600	600	600	600	600	600
1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	886	886	886	935	935	935
1.9	WHEEL BASE	У	mm	1119	1119	1119	1192	1192	1192
WEIG	HTS								
2.1	SERVICE WEIGHT WITH BATTERY (see line 6,5)		kg	155-157	165-167	160-162	201-207	246-250	248-252
2.2	AXLE LOAD LADEN, FRONT/REAR		kg	431/924-926	441/924-926	436/924-926	562/1041-1045	599/1047-1051	600/1048-1052
2.3	AXLE LOAD UNLADEN, FRONT/REAR		kg	124/31-33	134/31-33	129/31-33	170/33-37	207/39-43	208/40-44
TYRE	S/CHASSIS								
3.1	TYRES			G+P/P	G+P/P	G+P/P	G+P/P	G+P/P	G+P/P
3.2	TYRE SIZE, FRONT (Ø x width)			186x50	186x50	186x50	250x76	250x76	250x76
3.3	TYRE SIZE, REAR (Ø x width)			82x82-60	82x82-60	82x82-60	82x80-60	82x80-60	82x80-60
3.4	SIDE WHEELS (Ø x width)			75x25	75x25	75x25	100x40	100x40	100x40
3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			1x+2/2-2/4	1x+2/2-2/4	1x+2/2-2/4	1x+2/2-2/4	1x+2/2-2/4	1x+2/2-2/4
3.6	TREAD, FRONT	b10	mm	369	369	369	506	506	506
3.7	TREAD, REAR	b11	mm	371	371	371	375	375	375
DIME	NSIONS								
4.4	LIFT	h3	mm	115	115	115	115	115	115
4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	885/1345	885/1345	885/1345	786/1242	786/1242	786/1242
4.15	HEIGHT, LOWERED	h13	mm	85	85	85	85	85	85
4.19	OVERALL LENGTH	11	mm	1510	1510	1510	1650	1650	1650
4.20	LENGTH TO FACE OF FORKS	12	mm	360	360	360	500	500	500
4.21	OVERALL WIDTH	b1	mm	520	520	520	720	720	720
4.22	FORK DIMENSIONS	s/e/l	mm	55/150/1150	55/150/1150	55/150/1150	50/150/1150	50/150/1150	50/150/1150
4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	520	520	520	525	525	525
4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	30	30	30	35	35	35
4.34	AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	1782	1782	1782	1900	1900	1900
4.35	TURNING RADIUS	Wa	mm	1268	1268	1268	1435	1435	1435
PERF	ORMANCE DATA								
5.1	TRAVEL SPEED, LADEN/UNLADEN		km/h	4,3/4,8	4,3/4,8	4,3/4,8	4,5/4,7	4,5/4,7	4,5/4,7
5.2	LIFT SPEED, LADEN/UNLADEN		m/s	0,03/0,04	0,03/0,04	0,03/0,04	0,02/0,03	0,02/0,03	0,02/0,03
5.3	LOWERING SPEED, LADEN/UNLADEN		m/s	0,05/0,02	0,05/0,02	0,05/0,02	0,04	0,04	0,04
5.8	MAX GRADEABILITY, LADEN/UNLADEN			10/25	10/25	10/25	5/10	5/10	5/10
5.10	SERVICE BRAKE			ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
ELEC	TRIC MOTORS								
6.1	DRIVE MOTOR POWER		kW	0,35	0,35	0,35	0,7	0,7	0,7
6.2	LIFT MOTOR POWER		kW	0,4	0,4	0,4	0,4	0,4	0,4
6.4	BATTERY VOLTAGE, NOMINAL CAPACITY C20		V/Ah	24/60	24/60 (45 C5)	24/48 (40 C5)	24/70 (C20)	24/118 (C5)	24/105 (C5)
6.5	BATTERY WEIGHT		kg	28	38	32	32	78	80
8.4	SOUND LEVEL AT DRIVER'S EAR		dB(A)	67	67	67	76	76	76
0 0	the N Neder D Debuggethere A Obert NE Neder								

G = Rubber, N = Nylon, P = Polyurethane, A = Steel, NE = Nylon extra

MODEL			CX12 S2-S4	CX12 S2-S4	CX14 S2-S4
FORK LENGTH	I	mm	800	1000	1000
LOAD CENTRE DISTANCE	С	mm	400	500	500
WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			1x+2/2-2/4	1x+2/2-2/4	1x+2/2-2/4
OVERALL LENGTH	11	mm	1160	1360	1500
WHEEL BASE	У	mm	769	969	1042
LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	536	736	785
SERVICE WEIGHT WITH BATTERY (see line 6,5)		kg	150-152	153-155	199-203
AXLE LOAD LADEN, FRONT/REAR		kg	333/1017-1019	415/938-940	561/1038-1042
AXLE LOAD UNLADEN, FRONT/REAR		kg	121/29-31	123/30-32	169/30-34
TURNING RADIUS	Wa	mm	918	1118	1285
AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	1382	1582	1700

QX 18 - 20 - 20DL

QX/DL

In this version the QX20 structure still has a load capacity of 2.000 Kg but has been extended with the addition of a central cylinder that allows for the lifting of an 800 kg load on the plated forks in order to create a smooth support platform for the operator. The load backrest also guarantees total safety. The plated forks and clamps can be lifted independently through the pushbuttons on the wheelhouse. The QX pallet truck series meets the needs of a vast number of applications guaranteeing high performance, even during the haviest operations. The AC technology introduced in the traction motor promotes high energy efficiency and a longer battery charging duration; the absence of brushes in the motor and the simpler structure of the motor increase system reliability. Furthermore, the double lifting version keeps the high functionality of the electrical pallet truck and combines it with the practical convenience of stackers.







TILLER • Ergonomic tiller

- Luminous indicator for battery state control.
- Butterfly valves for traction control.
- Safety pushbutton with warning buzzer.
- · Forks way up/down control positioned on
- both sides of the handle • Hour counter
- "Tortoise" pushbutton for slow motion, which allows for the carrying out of operations with the tiller in vertical position.
- Ideal for running in confined spaces.



FORKS AND CONNECTION

The structure of QX pallet trucks is designed to guarantee maximum solidity and reliability: front forks are made of very thick cast iron just like clevis and other connecting rod parts. Impact on pallets and difficult surfaces is no longer a problem!

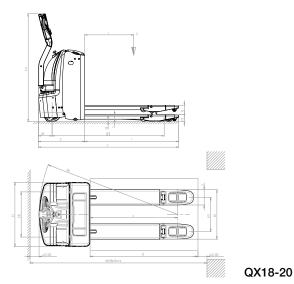


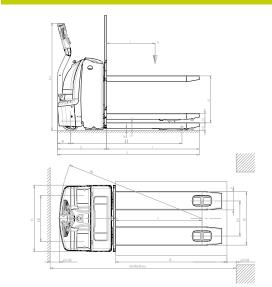
MOTOR WHEEL AND STABILIZING WHEELS

The motor wheel equipped with AC technology guarantees an excellent speed control system, with or without load on board (6 km/h). Two stabilizing wheels also enable movement even on more difficult surfaces, ensuring maximum stability in any condition of use.

AC TECHNOLOGY

AC technology guarantees more energy efficiency and longer battery charging duration, thus reducing maintenance cost. Furthermore the absence of brushes in the motor and the simpler motor structure increase system reliability.





QX20DL

DESC	RIPTION					
1.2	MODEL			QX18 S2-S4	QX20 S2-S4	QX20 DL S4
1.3	DRIVE			ELECTRIC	ELECTRIC	ELECTRIC
1.4	OPERATOR TYPE			PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
1.5	LOAD CAPACITY	Q	kg	1800	2000	2000/800
1.6	LOAD CENTRE DISTANCE	C	mm	600	600	600
1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	x	mm	973	973	896
1.0	WHEEL BASE	y	mm	1373	1373	1373
WEIG		у		1373	1313	1373
2.1	SERVICE WEIGHT WITH BATTERY (see line 6,5)		kg	510-515	510-515	615
2.1	AXLE LOAD LADEN, FRONT/REAR		kg	874/1436-1441	928/1582-1587	980-1635
2.2	AXLE LOAD UNLADEN, FRONT/REAR			388/122-127	388/122-127	440-175
			kg	300/122-127	300/122-127	440-175
3.1	S/CHASSIS TYRES			P+P/P	P+P/P	P+P/P
3.2	TYRE SIZE, FRONT (Ø x width)			230x75	230x75	230x75
3.3	TYRE SIZE, REAR (Ø x width)			85x90-80	85x90-80	85x80
3.4	SIDE WHEELS (Ø x width)			100x40	100x40	100x40
3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			1x+2/2-2/4	1x+2/2-2/4	1x+2/4
3.6	TREAD, FRONT	b10	mm	506	506	506
3.7	TREAD, REAR	b11	mm	380	380	380
	NSIONS					
4.4	LIFT	h3	mm	115	115	580
4.6	INITIAL LIFT	h5	mm	-	-	115
4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	784/1320	784/1320	784/1320
4.15	HEIGHT, LOWERED	h13	mm	85	85	93
4.19	OVERALL LENGTH	11	mm	1715	1715	1755
4.20	LENGTH TO FACE OF FORKS	12	mm	565	565	605
4.21	OVERALL WIDTH	b1	mm	716	716	716
4.22	FORK DIMENSIONS	s/e/l	mm	55/170/1150	55/170/1150	70/196/1150
4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	550	550	576
4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	30	30	23
4.34	AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	2002	2002	2079
4.35	TURNING RADIUS	Wa	mm	1575	1575	1575
PERF	ORMANCE DATA					
5.1	TRAVEL SPEED, LADEN/UNLADEN		km/h	6,0/6,0	6,0/6,0	6,0/6,0
5.2	LIFT SPEED, LADEN/UNLADEN		m/s	0,04/0,05	0,04/0,05	0,04/0,05
5.3	LOWERING SPEED, LADEN/UNLADEN		m/s	0,05/0,04	0,05/0,04	0,05/0,04
5.8	MAX GRADEABILITY, LADEN/UNLADEN			10/20	10/20	10/20
5.10	SERVICE BRAKE			ELECTRIC	ELECTRIC	ELECTRIC
ELEC	TRIC MOTORS					
6.1	DRIVE MOTOR POWER		kW	1,2	1,5	1,5
6.2	LIFT MOTOR POWER		kW	1,2	1,2	1,2
6.4	BATTERY VOLTAGE, NOMINAL CAPACITY C5		V/Ah	24/180	24/180	24/200
6.5	BATTERY WEIGHT		kg	190	190	188
0.0						
8.4	Sound Level at Driver's Ear		dB(A)	58,4	58,4	58,4
0.4			3009	, т	00,7	

8.4 SOUND LEVEL AT DRIVER'S EAR G = Rubber, N = Nylon, P = Polyurethane, A = Steel, NE = Nylon extra

MODEL			QX18 S2-S4	QX20 S2-S4
FORK LENGTH	I	mm	1000	1000
LOAD CENTRE DISTANCE	С	mm	500	500
OVERALL LENGTH	1	mm	1565	1565
WHEEL BASE	у	mm	1223	1223
LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	823	823
SERVICE WEIGHT WITH BATTERY (see line 6,5)		kg	502-507	502-507
AXLE LOAD LADEN, FRONT/REAR		kg	868/1434-1439	922/1580-1585
AXLE LOAD UNLADEN, FRONT/REAR		kg	382/120-125	382/120-125
TURNING RADIUS	Wa	mm	1425	1425
AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	1802	1802
BATTERY				
BATTERY VOLTAGE, NOMINAL CAPACITY C5		V/Ah	24/180	24/230
BATTERY WEIGHT		kg	185	212



QX models equipped with a footplate are highly versatile electrical pallet trucks which, thanks to their folding footplate, can be used in confined spaces or over medium distances with an excellent shift speed (8 - 10 km/h). The strong frame, the AC traction motor technology and the braking system with energy recovery are just few samples of the high technology of this machine.

QX22

The QX22 is ideal to move loads rapidly and over long distances. Structural solidity, quality of components, elevated load capacity (2.2 T), excellent shift speed (10 km/h) and battery capacity (315 ah) make QX22 the best choice for those who work on different shifts.







WHEELS

- Wheel drive of considerable power (2 kW) and big size (Ø mm 230x75).
- Two stabilizing wheels enable movement even on more difficult surfaces, ensuring maximum stability in any condition of use.



20P

REPLACEMENT

QUIE

OF BATTERIES QX22 • The battery compartment is equipped with a removable side frame and an internal roller that minimizes effort during the battery extraction and connection phases. A trolley is also available upon request to replace the battery rapidly.



TECHNOLOGY AND SAFETY The machine is equipped with 3 sensors that automatically adjust speed control and reduce it up to 6 km/h when at least one of the following events occurs: 1. Lateral protection guards are not raised

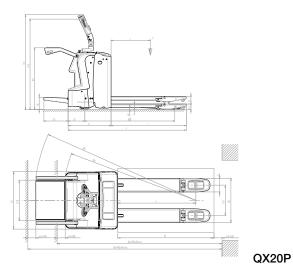
- and are not rought to the "run" position. 2. The turning radius sensor registers a
- curve with an angle over 8 degrees. 3. The footplate is kept in closed position.

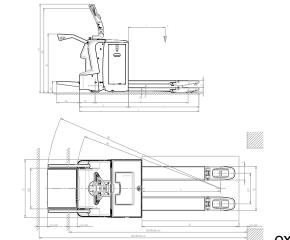


MOTORS

 Lifting (1.2 kW) and traction (2 kW) motors have both a voltage of 24 Volt. The vertical assembly not only allows for a more rapid access to all the parts but also minimizes room cluttering-up and wiring stress.







QX22

DESCF	RIPTION				
2	MODEL			QX20P S2-S4	QX22 S2-S4
.3	DRIVE			ELECTRIC	ELECTRIC
4	OPERATOR TYPE			PEDESTRIAN/STANDING	PEDESTRIAN/STANDING
5	LOAD CAPACITY	Q	kg	2000	2200
6	LOAD CENTRE DISTANCE	c	mm	600	600
8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	x	mm	973	973
9	WHEEL BASE	y	mm	1373	1520
EIGH		,			
1	SERVICE WEIGHT WITH BATTERY (see line 6,5)		kg	559-564	632-637
2	AXLE LOAD LADEN, FRONT/REAR		kg	1582-1587/977	1872-1877/960
3	AXLE LOAD UNLADEN, FRONT/REAR		kg	117-122/442	190-195/442
	/CHASSIS				
1	TYRES			P/P+P	P/P+P
2	TYRE SIZE, FRONT (Ø x width)			85x90-80	85x90-80
.3	TYRE SIZE, REAR (Ø x width)			230x75	230x75
4	SIDE WHEELS (Ø x width)			100x40	100x40
.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			2/4 - 1x+2	2/4 - 1x+2
.6	TREAD, FRONT	b10	mm	380	380
.7	TREAD, REAR	b11	mm	506	506
MEN	ISIONS				
4	LIFT	h3	mm	115	115
9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	1107/1450	1107/1450
15	HEIGHT, LOWERED	h13	mm	85	85
19	OVERALL LENGTH (PLATFORM CLOSED/OPEN)	11	mm	1806/2176	1950/2320
.20	LENGTH TO FACE OF FORKS (PLATFORM CLOSED/OPEN)	12	mm	656/1026	800/1170
.21	OVERALL WIDTH	b1	mm	716	716
	FORK DIMENSIONS	s/e/l	mm	55/170/1150	55/170/1150
.25	DISTANCE BETWEEN FORK ARMS	b5	mm	550	550
.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	30	30
.34	AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE (PLATFORM CLOSED/OPEN)	Ast	mm	2317/2675	2458/2815
25	TURNING RADIUS (PLATFORM CLOSED/OPEN)	Wa	mm	1657/2015	1798/2155
	RMANCE DATA	wa	11111	1037/2013	1790/2100
.1	TRAVEL SPEED, LADEN/UNLADEN (PLATFORM CLOSED/ OPEN)		km/h	6,0/6,0 (8,0/8,0)	6,0/6,0 (10,0/10,0)
2	LIFT SPEED, LADEN/UNLADEN		m/s	0.04/0.05	0,04/0.05
.2	LOWERING SPEED, LADEN/UNLADEN		m/s	0,05/0,04	0,05/0,04
.8	MAX GRADEABILITY, LADEN/UNLADEN		11/0	8/20	8/20
.10	SERVICE BRAKE			ELECTRIC	ELECTRIC
	RIC MOTORS				
.1	DRIVE MOTOR POWER		kW	2	2
.2	LIFT MOTOR POWER		kW	1,2	1,2
4	BATTERY VOLTAGE, NOMINAL CAPACITY C5		V/Ah	24/180	24/230
.5	BATTERY WEIGHT		kg	190	216
.4	SOUND LEVEL AT DRIVER'S EAR		dB(A)	56,4	56,4
	abor N - Nulon D - Doluurathana A - Staal NE - Nulon a		. /		

G = Rubber, N = Nylon, P = Polyurethane, A = Steel, NE = Nylon extra

MODEL			QX20P S2-S4	QX22 S2-S4
FORK LENGTH	1	mm	1000	1000
LOAD CENTRE DISTANCE	С	mm	500	500
OVERALL LENGTH (PLATFORM CLOSED/OPEN)	11	mm	1656/2026	1800/2170
WHEEL BASE	у	mm	1223	1370
LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	823	823
SERVICE WEIGHT WITH BATTERY (see line 6,5)		kg	551-556	624-629
AXLE LOAD LADEN, FRONT/REAR		kg	1581-1586/970	1869-1874/955
AXLE LOAD UNLADEN, FRONT/REAR		kg	116-121/435	187-192/437
TURNING RADIUS (PLATFORM CLOSED/OPEN)	Wa	mm	1507/1865	1648/2005
AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE (PLATFORM CLOSED/OPEN)	Ast	mm	1884/2242	2025/2382
BATTERY QX20P				
BATTERY VOLTAGE, NOMINAL CAPACITY C5		//Ah	24/180	24/230
BATTERY WEIGHT		kg	185	218
BATTERY QX22				
BATTERY VOLTAGE, NOMINAL CAPACITY C5		//Ah	24/230	24/315
BATTERY WEIGHT		kg	218	280





STACKERS

The stackers line offers a wide range of solutions, from manual and semi-electric to electric machines. Products are designed to work in narrow spaces and cover different type of uses, from the light to heavy duty. Moreover stackers can be modified offering tailor made solutions on the base of customers individual needs.

Manual Stackers

MX

MX Series is not only an excellent compromise between price and performance but also a very resistant machine. Reinforced forks, steel pulley and forks precisely driven by rollers, are some of the main features of this stacker. The machine is also equipped with a foot pedal to lift forks, which considerably reduces the operator's effort.





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



FOOT BRAKE The foot brake performs the parking brake function.



TILLER

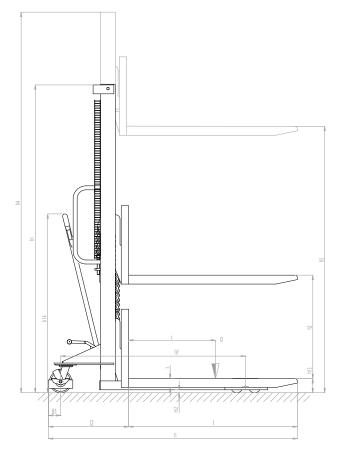
The plastic cover increases the ergonomic character of the MX handle, rendering the raising and transport operations even "lighter".

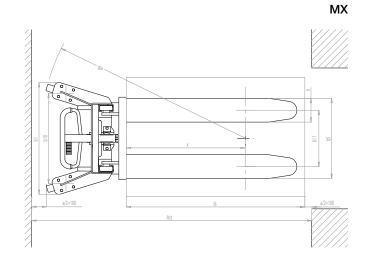
The 3-position control lever (down, neutral, up) is placed on the steering wheel to foster manoeuvrability.



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.

Manual Stackers





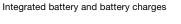
DESCRIPTION					
.2 MODEL			MX 510	MX 516	MX 1016
.3 DRIVE			MANUAL	MANUAL	MANUAL
.4 OPERATOR TYPE			PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
.5 LOAD CAPACITY	Q	kg	500	500	1000
.6 LOAD CENTRE DISTANCE	С	mm	600	600	600
.8 LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	X	mm	800	800	800
.9 WHEEL BASE	y	mm	1240	1240	1240
VEIGHTS	,		1210	1210	1210
2.1 SERVICE WEIGHT WITH BATTERY		kg	185	200	210
2.2 AXLE LOAD LADEN, FRONT/REAR		kg	202/483	213/487	309/901
2.3 AXLE LOAD UNLADEN, FRONT/REAR		kg	113/72	123/77	129/81
YRES/CHASSIS		ку	113/72	123/11	129/81
			N/N	N/N	N/N
				150x40	150x40
.2 TYRE SIZE, FRONT (Ø x width)			150x40		
3.3 TYRE SIZE, REAR (Ø x width)			80x70	80x70	80x70
8.5 WHEELS, NUMBER (x=DRIVEN) FRONT/REAR	1.10		2/2	2/2	2/2
.6 TREAD, FRONT	b10	mm	600	600	600
3.7 TREAD, REAR	b11	mm	380	380	380
IMENSIONS					
.2 HEIGHT, MAST LOWERED	h1	mm	1490	2080	2080
.3 FREE LIFT	h2	mm	910	1510	1510
.4 LIFT	h3	mm	910	1510	1510
.5 HEIGHT, MAST EXTENDED	h4	mm	1490	2080	2080
.9 HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	490/1090	490/1090	490/1090
.15 HEIGHT, LOWERED	h13	mm	90	90	90
.19 OVERALL LENGTH	1	mm	1690	1690	1690
.20 LENGTH TO FACE OF FORKS	12	mm	540	540	540
.21 OVERALL WIDTH	b1/b2	mm	740	740	740
.22 FORK DIMENSIONS	s/e/l	mm	60/170/1150	60/170/1150	60/170/1150
.24 FORK-CARRIAGE WIDTH	b3	mm	550	550	550
.25 DISTANCE BETWEEN FORK ARMS	b5	mm	550	550	550
.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	30	30	30
.34 AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	2166	2166	2166
.35 TURNING RADIUS	Wa	mm	1400	1400	1400
PERFORMANCE DATA					
5.2 LIFT SPEED, LADEN/UNLADEN		m/s	37/37	73/73	73/73
5.3 LOWERING SPEED, LADEN/UNLADEN		m/s	0.16/0.05	0.16/0.05	0.12/0.03
5.10 SERVICE BRAKE			-	-	-
LECTRIC MOTORS				a and a second	
.2 LIFT MOTOR POWER		kW	-	-	-
6.4 BATTERY VOLTAGE, NOMINAL CAPACITY C5		V/Ah	-	-	
6.5 BATTERY WEIGHT			-	-	-
		kg	-	-	-
8.4 SOUND LEVEL AT DRIVER'S EAR		10(4)			
3.4 SOUND LEVEL AT DRIVER'S EAR		dB(A)	-	-	-

Semi-Electric Stackers

The TX Series are characterized by manual traction and electrohydraulic lifting technology. Version 12 (1.2 t) includes polyurethane wheels as standard to reduce resistance and effort required even with full load capacity.

TX/STRADDLE

The main feature of the straddle series, which is available for the TX models, gives the possibility to adjust forks and clamps for great versatility in the handling of loads of different sizes.





START KEY AND BATTERY CUT-OFF (ISOLATOR) SWITCH

ТΧ

- The start key on the TX stacker performs a double function:
- It switches the stacker on/off
- is an emergency control, i.e. it completely stops battery power supply and thus prevents the lifting of forks.



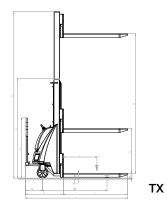
FOOT BRAKE The foot brake performs the parking brake function.

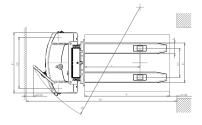


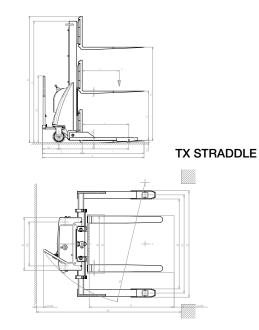
ADJUSTABLE BUFFERS The TX 12 is equipped with adjustable buffers that minimize possible oscillation during lifting.

Quite

Semi-Electric Stackers







12 MODEL TX 10/20 TX 10/25 TX 10/05 REPROLE 1.4 OPEN/OF TVPE PEDESTRAM PEDESTRAM PEDESTRAM 1.4 OPEN/OF TVPE PEDESTRAM PEDESTRAM PEDESTRAM 1.5 LAAD CARTRE DISTANCE c mm 600 600 1.5 LAAD CENTRE DISTANCE c mm 600 700 1.5 LAAD CENTRE DISTANCE c mm 600 700 1.5 LAAD CENTRE DISTANCE y mm 600 700 755 1.5 LAAD DISTANCE VECENT WITH ANTERY kg 253/16 714/14 415 2.3 ARELLAND UNLOPEN FRONTERAR kg 253/16 74/14 415 2.3 ARELLAND UNLOPEN FRONTERAR kg 252/06 200:60 200:60 3.3 TYRES ERFONT (Ø x with) mm 600 700 800 200:60 3.4 TYRES ERFONT (Ø x with) mm 600 200:60 200:60 200:60 3.5 <th>DESC</th> <th>RIPTION</th> <th></th> <th></th> <th></th> <th></th> <th></th>	DESC	RIPTION					
1.4OPENTRON0NONOPEDESTRANAPEDESTRANAPEDESTRANA1.5LAND CANTAP0NO2000001.6LAND CANTAP0NO2000001.8LAND CANTAPC CANTER OF DIRE ALLE TO FORK Xm600200751.9WEER BASEym9857807807801.9WEER BASEym9857807807802.1SARCE WEERT WIT BATTERYKg220%34512344502.2ALE LOND UNLARER FRONTINGAKg220%345123270/1452.3ALE LOND UNLARER FRONTINGAKg220%200%200%3.4EXERCE WEERT WIT BATTERYKg200%200%200%3.4TPESTERS SARCE WEERT WIT BATTERY10 <m< td="">620200%200%3.4TPESTERS SARCE WEERT WIT BATTERY200%200%200%200%3.4TPES SARCE WEERT WIT BATTERY200%200%200%200%200%3.4TPES SARCE WEERT WIT BATTERY200%200%200%200%200%3.5TPES SARCE WEERT WIT BATTERY10<m< td="">620200%200%200%3.6TPES SARCE WEERT WIT BATTERY200%200%200%200%200%3.7TPES SARCE WEERT WIT BATTERY200%200%200%200%200%3.6WEERT SARCE WEERT WIT BATTERY200%200%200%200%200%<!--</td--><td>1.2</td><td>MODEL</td><td></td><td></td><td>TX 10/20</td><td>TX 12/35</td><td>TX 10/16 STRADDLE</td></m<></m<>	1.2	MODEL			TX 10/20	TX 12/35	TX 10/16 STRADDLE
1.5Load CAPACITY0kg1000120010001.8LOAD DISTANCE CRUTE OF DRIXxmm6307707751.8LOAD DISTANCE CRUTE OF DRIXxmm6307707752.1MIREL REPAINE OF DRIVE ALLE TO FORMxmm6307707752.1MIREL REPAINE OF RUTE ALLE TO FORMkg2237048537/1137453.9822.2ALE LOAD LUADEN, FRONT/REARkg22390345/129270.1452.3ALE LOAD LUADEN, FRONT/REARkg220.90200.50200.503.4TIRE SZC, FRONT (Ø x width)200.50200.50200.50200.503.3TIRE SZC, FRONT (Ø x width)720220.50200.50200.503.4TIRE SZC, FRONT (Ø x width)100mm6207206203.5TIRE SZC, FRONT (Ø x width)100mm6207206203.5WIELSS, MURER (–0WWD) FRONT/FEAR2772222223.5TIRE SZC, FRONT (Ø x width)100mm6207306203.6WIELSS, MURER (MAST LOW REDF ONTINNINGAN11070080550620.503.7TIRE SZC, FRONT (Ø x width)1001011011011013.8WIELSS, MURER (MAST LOW REDF ONTINNINGAN14mm620.50620.50620.503.7TIRE SZC, FRONT (Ø X width)10010104310151015104.5HEIGHT (MAST LOW RED	1.3	DRIVE			MANUAL	MANUAL	MANUAL
1.6Load Detrive DATANCEemm6006006001.9WHERL BASKymm965115511301.9WHERL BASKymm965115511302.1SKINCE MEDRY MITH BATTERYkg2314744752.2SKINCE MEDRY MITH BATTERYkg223108357/11374539622.3ALE LOAD LADER, FRONT/REARkg223099354/1292701457TRESFREST7002006502006503.1TRES SIZ, FRONT (0 x width)SZ070825/07825/073.5WHEELS, NUMER (N-GUNEN) FRONT22022223.5TRES SIZ, FRONT (0 x width)mm6207206203.5TRES SIZ, FRONT (0 x width)mm6207206203.5TRES SIZ, FRONT (0 x width)mm6207206203.5TRES SIZ, FRONT (0 x width)mm6207206203.6TRES SIZ, FRONT (0 x width)mm6207206203.6TRES SIZ, FRONT (0 x width)mm6207206203.7TRES SIZ, FRONT (0 x width)mm6207206203.8TRES SIZ, FRONT (0 x width)mm6207206203.7TRES SIZ, FRONT (0 x width)mm6207306203.8TRES SIZ, FRONT (0 x width)mm6206206203.7TRES SIZ, FRONT (0 x width)mm620620	1.4	OPERATOR TYPE			PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
1.8LAD DEFAUCE CENTRE OF PARK ALLE TO FORKxmm650750755VIEIDENVMarce DevelopmentVV	1.5	LOAD CAPACITY	Q	kg	1000	1200	1000
1.9MEEL BASEym9651155115011002.1SEMOGE MEGHT MERL BATTERYkg2.214.744.152.2ALE LODD LADDH, FROMTREARkg2.23/088537/11374.53/0822.3ALE LODD UALDEN, FROMTREARkg2.23/088537/11374.53/0827TRESTRES0.001/00.001/0001/076/877006.003.1TRES0.001/0001/076/872000-502000-502000-503.2TRES LER, RIONT (# vurdeh)2.272.22.22.23.5WEELS, NUMBER N-GURNEN FERM/REAR2.22.22.22.23.7TREAD, REARb11m4.04.10108/0373.5WEELS, NUMBER N-GURNEN FERM/REAR2.22.22.22.23.7TREAD, REARb11m4.04.10108/0373.8TREAD, REARb11m3.2702.5001.5104.3TREED FERMMm6.07(0806.07(0806.07(0804.4UFTb3m6.07(0806.07(0806.07(0804.5TREAD, REARMm6.07(0806.07(0806.07(0804.15HEBORT (MIST LOWRERDMm6.07(0806.07(0806.07(0804.20LONTIN TAGE OF FORKS1.2m6.0017.006.07(0804.3TREEL FERMMm6.007.006.07(0804.4UEFTMm6.007.	1.6	LOAD CENTRE DISTANCE	С	mm	600	600	600
Weins View View <t< td=""><td>1.8</td><td>LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK</td><td>х</td><td>mm</td><td>630</td><td>780</td><td>755</td></t<>	1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	630	780	755
21SPMOC WERHY WITH BATTERYkg32147441522AKLE LOAD UNLADEN, FRONT/REARkg253/1068537/1137453/86223AKLE LOAD UNLADEN, FRONT/REARkg220/99345/129270/145THESCERARSSETHE SZE, FRONT (6 with)0/N0/N23TYRE SZE, FRONT (6 with)200/50200/50200/5024TYRE SZE, FRONT (6 with)220/5020/22/225WEELS, NUMBER (-LORDNEL) FRONT/REAR2/22/22/2261/2020/020/02/037TREAD, FEAR (9 with)1/1m4101080/1387THEAD, FEAR (9 with)1/1m2/202/2272/22/22/22/22/237TREAD, FEARb/1m4101080/1387THEAD, FEAR (-SWICH)1/1m4101080/1387THEAD, FEAR (-SWICH)1/1m2/3702/501970A HEIGHT, INST LOWERED1/1m2/3703/9152/45THEAD, FEAR (SWICH)1/1m2/3703/9152/45A HEIGHT, INST LOWERED1/1m2/3703/9152/45A HEIGHT, INST LOWERED1/1m7/303/9103/910A HEIGHT, INST LOWERED1/1m7/303/9103/910A HEIGHT, INTERN DENE POSTID MINIMAX	1.9	WHEEL BASE	у	mm	965	1155	1130
22AVE LOAD LADER, FONT/REAR*g25X/1068537/1137453/86223AVE LOAD LADER, FONT/REAR*g222/99345/129270/145INTES JOURDED STORM MARCHARD STORM STO	WEIG	HTS					
23ALE LADA UNLADEN, FRONTREARKg222/99345/129270/145INTESTINTESTINTESTINTESTINTESTONINTESTONINTESTONINTESTONINTEST22202220221620102218 <td>2.1</td> <td>SERVICE WEIGHT WITH BATTERY</td> <td></td> <td>kg</td> <td>321</td> <td>474</td> <td>415</td>	2.1	SERVICE WEIGHT WITH BATTERY		kg	321	474	415
UPRES/Constants CAN PN CAN 3.1 TYRES GAN PN GAN 3.1 TYRE SZE, FRAN (I) x width) 200:50 200:50 200:50 3.3 TYRE SZE, FRAN (I) x width) 82:70 82:70 82:70 3.3 TYRE SZE, FRAN (I) x width) 82:70 82:70 82:70 3.5 WHEELS, MURRER (v-BINKINFRONT/REAM 10 mm 620 72:2 22 33 53 33 53 33 53 33 53 33 53 33 53 34 54 56 56 56 56 56 56 35 35 34 34 36<	2.2	AXLE LOAD LADEN, FRONT/REAR		kg	253/1068	537/1137	453/962
11 TYRES G/N P/N G/N 32 TYRES SIZE, FRANT (0 x width) 200x50 200x50 200x50 33 TYRE SIZE, FRANT (0 x width) 82x70 82x70 82x70 35 WHELS, NUMBER (-enRIVEM, FRONT/FEAR 2/2 2/2 2/2 36 TREAD, REAR b10 m 620 720 620 37 TREAD, REAR b10 m 620 720 620 37 TREAD, REAR b10 m 620 720 620 37 TREAD, REAR b10 m 620 720 620 42 HEGHT, MAST LOWERED h1 m 620 1970 43 FREE LIFT h2 m 601080 601080 601080 44 LIFT h13 m 690 601080 601080 601080 45 HEIGHT, MAST LOWERED h14 m 7070 660 700 640 42 IDRISTINE POSTIND MINIVALAN h4 m 70150/1150 70150/1150 5500	2.3	AXLE LOAD UNLADEN, FRONT/REAR		kg	222/99	345/129	270/145
3.2 TYRE SIZE, FROM (b x width) 200:50 200:50 200:50 3.3 TYRE SIZE, REAR (b x width) 82:X70 82:X70 82:X70 3.4 TYRE SIZE, REAR (b x width) 10 mm 620 2/2 3.5 WHELS, NUMBER (~BURNEN) FROMT/FEAR 2/2 2/2 2/2 2/2 3.6 TREAD, ROMT b10 mm 620 720 620 3.7 TREAD, RARA b11 mm 410 410 1080/1387 UNITION CONTRETOR INTREAM 2370 2250 1970 316 A PRELIFT 13 mm 1910 80 1510 4 HEIGHT, MAST EXTENDED 14 mm 60/080 60/080 4 HEIGHT, MAST EXTENDED 14 mm 60/080 60/080 4 FORK MART EXTENDES 11 mm 1750 3815 1640 4 11 mm 1750 1850 1640 4 00K ROMENSINS 8/4 mm 700 640 4 00K ROMENSINS 8/4 mm 560 230790 4 00K ROMENSINS 8	TYRE	S/CHASSIS					
3.3 TYPE SIZE, REAR (Ø x width) 52/70 82/70 82/70 82/70 3.5 WHEELS, NUMBER ACONKEN/ FROT/REAR 2/2 2/2 2/2 2/2 3.6 TREAD, REAR b10 mm 620 720 620 3.7 TREAD, REAR b11 mm 620 720 620 4.2 HEGHT, MAST LOWERED h1 mm 2370 2250 1970 4.3 FREE LFT h2 m 1910 80 1510 4.4 LFT h2 mm 1910 80 60/1080 60/1080 4.5 HEGHT, MAST EXTORED h4 mm 60/1080 60/1080 60/1080 60/1080 4.15 HEGHT, MAST EXTORED h1 mm 60/1080 60/1080 60/1080 60/1080 4.15 HEGHT, IOWERED h13 mm 90 35 55 60/1080 60/1080 60/1080 60/1080 60/1080 60/1080 60/1080 60/1080 60/1080 60/1080 60/1080 60/1080 60/1080 60/1080 6	3.1	TYRES			G/N	P/N	G/N
3.5WHEELS, NUMBER (x=DRIVEN) FRONT/REAR2/22/22/22/23.6TREAD, FRONT010mm6207206203.7TREAD, REARD11mm620720620DIMENSIONUMENSIONUMENSIONUMENSIONU FICHT, MS1 COVEREDh1mm237022501970A FREAU FIFh2mm19108601510A FREAU FIFh3mm191034101510A FREAU FIFh3mm60/108060/108060/1080A FREAU FIFh3mm60/108060/108060/1080A FREAU FIFh1mm60/108060/108060/1080A FREAU FIF COLSPANh1mm60/08060/1080A FREAU FIF COLSPANh1mm60/08060/1080A FREAU FIF COLSPANh1mm600700640A FREAU FIF COLSPANm70150/15035/10190A FREAU FIF COLSPANsin650820A FREAU FIF COLSPANsin650820A FREAU FIF COLSPANsin650820A FREAU FIF COLSPANsin60/102040A FREAU FIF COLSPANsin60/060/1020A FREAU FIF COLSPAN FIF COLSPANsin <td>3.2</td> <td>TYRE SIZE, FRONT (Ø x width)</td> <td></td> <td></td> <td>200x50</td> <td>200x50</td> <td>200x50</td>	3.2	TYRE SIZE, FRONT (Ø x width)			200x50	200x50	200x50
3.6READ, RONTb10mm6207206203.7TREAD, REARb11mm4104100080/13873.7TREAD, REARb11mm4104100080/13874.2HEIGHT, MAST LOVEREDh1mm2370225019704.3RREEHEIGHT, MAST LOVEREDh1mm19108015104.4LIFTh3mm1910341015104.5HEIGHT, MAST EXTENDEDh4mm60/168060/168060/16804.5HEIGHT, LOWEREDh13mm60/090954.19VIERALL LENGTH11mm1750185016404.21VUERALL LENGTH11mm7750850750/1199-15044.22FORK CORRINGE WOTHb1/b2mm70107010700/10004.24FORK-CARRINGE WOTHb3mm6506508254.25FORK CARRINGE WOTHb3mm6506508254.25GOUND CLEAANACE, CENTRE OF WHEEL BASEm2mm706700404.24ALSE WOTH FOR PALLETS 800X1200 LENGTHNESMm703700404.25LIFT STEPL, ALETS 800X1200 LENGTHNESMm7047067004.34ALSE WOTH FOR PALLETS 800X1200 LENGTHNESMm7047067004.34ALSE WOTH FOR PALLETS 800X1200 LENGTHNESMm7047067005.3LIFT STEPL,	3.3	TYRE SIZE, REAR (Ø x width)			82x70	82x70	82x70
3.7THEAD, REARb11mm4104101080/1387UTHEVALUAT DENDENCIATION OF PARTING SPEEDVUTHEVALUAT DENDENCIATION OF PARTING SPEEDN410410400042HEGHT OF THLEEN NO MIXERDSN410N225043REE LIFTN410N2250410N410N410N4202250ALENTH IN DINK POSITION MIN/MAXNALENTH IN FACE OF FORKS12ALENTH IN FACE OF FORKS12ALENTH IN FACE OF FORKS12ALENTH IN FACE OF FORKS16ALENTH IN FACE OF FORKS16 <td>3.5</td> <td>WHEELS, NUMBER (x=DRIVEN) FRONT/REAR</td> <td></td> <td></td> <td>2/2</td> <td>2/2</td> <td>2/2</td>	3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			2/2	2/2	2/2
DIMENSION Difference Name Difference Difference <td>3.6</td> <td>TREAD, FRONT</td> <td>b10</td> <td>mm</td> <td>620</td> <td>720</td> <td>620</td>	3.6	TREAD, FRONT	b10	mm	620	720	620
4.2 HEIGHT, MAST LOWERED h1 mm 2370 2250 1970 4.3 FREE LIFT h2 mm 1910 3410 1510 4.4 LIFT h3 mm 1910 3410 1510 4.5 HEIGHT, MAST EXTENDED h4 mm 2370 3915 2045 4.9 HEIGHT, OWERED h14 mm 60/1080 60/1080 60/1080 15 HEIGHT, UWERED h13 mm 600 90 35 14 OVERALL LENGTH 11 mm 750 1850 1640 4.2 VERAUL LENGTH b1 mm 70150/1150 35/100/1000 42 4.2 FORK CARRIAGE WOTH b3 mm 650 650 825 4.2.5 DISTANCE BETWEEN FORK ARMS b5 mm 200 200 40 4.2.4 FORK-CARRIAGE WOTH b3 mm - - 965/1270 4.2.6 DISTANCE BETWEEN	3.7	TREAD, REAR	b11	mm	410	410	1080/1387
4.3FREE LIFTh2nm19108015104.4LIFTh3nm1910341015104.5HEGHT, MAST EXTENDEDh4nm60/108060/108060/10804.9HEIGHT OF TILLER IN DRIVE POSITION MIN/MAXh14nm60/108060/108060/10804.15HEIGHT, LOWEREDh13nm9090354.16HEIGHT OF TILLER IN DRIVE POSITION MIN/MAXh14nm6007006404.20UCRALL LENGTHh1nm750850750/1199/1504.21OVERALL LENGTHb1/b2nm65082535/1199/1504.22FORK MINSIONSs/e/nm701/50/1150701/50/115035/100/10004.24FORK-CARRIAGE WIDTHb3nm6506508254.25DISTANCE BETWEEN FORK ARMSb5nm5608254.26DISTANCE BETWEEN FORK ARMSb4nm236254025884.35TURING RADUISms0.4/0.10.4/0.10.4/0.15.4SURV EX LEGENT MULADENm/s0.4/0.10.4/0.10.4/0.15.4LIFT SODX12.0 LENGTHWISEA4mm0.09/0.120.09/0.125.3LOWERING RADUISm/s0.4/0.10.4/0.10.4/0.15.4STANILWER SEARm/s0.4/0.10.4/0.10.4/0.15.5LIFT SODX12.0 LENGTHWISEK4mm1.62.21.65.4 <td< td=""><td>DIME</td><td>NSIONS</td><td></td><td></td><td></td><td></td><td></td></td<>	DIME	NSIONS					
4.4 LIFT h3 mm 1910 3410 1510 4.5 HEIGHT, MAST EXTENDED h4 mm 2370 3915 2045 4.9 HEIGHT, ON TILLER IN DRIVE POSITION MINAMAX h14 mm 60/1080 60/1080 60/1080 4.15 HEIGHT, OWERED NM nm 600 90 35 4.16 HEIGHT, OWERED IN nm 750 1850 1640 4.20 LENGTH TO FACE OF FORKS 12 mm 600 7001 640 4.21 UPEALL WIDTH b1/b2 nm 750 850 750/1199-1504 4.22 FORK CARRIAGE WIDTH b3 <mm< td=""> 7560 850 35/100/1000 4.22 FORK CARRIAGE WIDTH b3<mm< td=""> 7560 825 35/100/1000 4.24 FORK-CARRIAGE WIDTH b3<mm< td=""> 7560 820 350/700 36/1270 4.25 DISTANCE BETWEEN FORK ARMS b3<mm< td=""> 7038 2560 200 40 4.34 ASLE WIDTH FOR PALLETS 800x1200 LENGTHWISE A4<mm< td=""> m 236 25</mm<></mm<></mm<></mm<></mm<>	4.2	HEIGHT, MAST LOWERED	h1	mm	2370	2250	1970
4.5 HEIGHT, MAST EXTENDED h4 mm 2370 3915 2045 4.9 HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX h14 mm 60/1080 60/1080 60/1080 1.5 HEIGHT, DUCREED h13 mm 90 90 35 4.19 UFEALL LENGTH 11 mm 1750 1850 1640 4.20 LENGTH TO FACE OF FORKS 12 mm 600 700 640 4.21 OVERALL LENGTH b1/b2 mm 650 750/1199-1504 4.22 FORK-CARRIAGE WIDTH b3 mm 650 825 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 560 230/790 4.24 ORK DIMENSIONS b5 mm 20 560 230/790 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 20 20 40 4.34 AISLE WIDTH ALLES MONZIOU LENGTHWISE Ast mm 236 2540 2588 4.35 <td< td=""><td>4.3</td><td>FREE LIFT</td><td>h2</td><td>mm</td><td>1910</td><td>80</td><td>1510</td></td<>	4.3	FREE LIFT	h2	mm	1910	80	1510
4.9 HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX h14 mm 60/1080 60/1080 60/1080 4.15 HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX h13 mm 90 90 35 4.19 VERALL LENGTH 11 mm 1750 1850 1640 4.20 LENTIT TO FACE OF FORKS 12 mm 600100 700 640 4.21 OVERALL WIDTH b1/b2 mm 750 850 750/1199-1504 4.22 FORK DIMENSIONS s/e/l mm 70/150/1150 35/100/1000 4.24 FORK ARRIAGE WIDTH b3 mm 660 825 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 5600 230/790 4.24 FORK ARMICE, CENTRE OF WHEEL BASE mm 20 20 40 4.26 DISTANCE BETWEEN FORK ARMS b4 mm 20 20 40 4.28 RORK-DATACE, CENTRE OF WHEEL BASE mm 20 20 40 2540 2588	4.4	LIFT	h3	mm	1910	3410	1510
4.15 HEIGHT, LOWERED h13 mm 90 35 4.19 OVERALL LENGTH H mm 1750 1850 1640 4.20 LENGTH TO FACE OF FORKS 12 mm 600 700 640 4.20 LENGTH TO FACE OF FORKS 12 mm 701 5001 9501199-1504 4.21 VERALL WIDTH b12 mm 701 701/150/1150 701/150/1150 35/100/1000 4.22 FORK CARRIAGE WIDTH b3 mm 660 825 825 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 660 230/790 40 4.26 DISTANCE BETWEEN LEGS MINVMAX b4 mm - - 965/1270 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 2336 2540 2588 4.35 TURNING RADIUS Ast mm 2336 2540 2588 4.35 TURNING RADIUS m/s 0,09/0,12 0,09/0,12 0.09/0,12 5.2 LIFT SPEED, LADEN/UNLADEN m/s 0,09/0,12 0,09/0	4.5	HEIGHT, MAST EXTENDED	h4	mm	2370	3915	2045
4.19 OVERALL LENGTH 11 mm 1750 1850 1640 4.20 LENGTH TO FACE OF FORKS 12 mm 600 700 640 4.21 OVERALL WIDTH b1/b2 mm 750 850 750/1199-1504 4.21 FORK-CARRIAGE WIDTH b1/b2 mm 70150/1150 35/0/109 35/0/109 4.22 FORK-CARRIAGE WIDTH b3 mm 650 825 825 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 650 825 825 4.26 DISTANCE GETWEEN FORK ARMS b5 mm 650 825 825 4.26 DISTANCE GETWEEN FORK ARMS b5 mm 20 40 34 4.27 DISTANCE, CENTRE OF WHEEL BASE ma 2336 2540 2588 34 4.38 UNING RADIUS Wa mm 200 40 35 35 VERFUEW SERVICE BRAK mm 2336 2540 2588 35 35 5.2 LIF SPEED, LADEN/UNLADEN m/s 0,40/0,1	4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	60/1080	60/1080	60/1080
4.20 LENGTH TO FACE OF FORKS 12 mm 600 700 640 4.21 OVERALL WIDTH b1/b2 mm 750 850 750/1199-1504 4.22 FORK DIMENSIONS s/e1 mm 70/150/1150 35/100/1000 4.24 FORK-CARRIAGE WIDTH b3 mm 650 825 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 560 230/790 4.26 DISTANCE BETWEEN FORK ARMS b4 mm - - 965/1270 4.26 DISTANCE BETWEEN FORK ARMS b4 mm - - 965/1270 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 200 20 40 4.33 TURNING RADULS Mat mm 1440 1760 1790 1790 FERFURCE DATA FORK-CARANCE, CENTRE OF WHEEL BASE mm 1440 1760 0.09/0.12 0.09/0.12 0.09/0.12 0.09/0.12 0.09/0.12 0.09/0.12 0.09/0.12 0.09/0.12 0.09/0.12 0.09/0.12 0.09/0.12 0.09/0.12 0	4.15	HEIGHT, LOWERED	h13	mm	90	90	35
4.21 OVERALL WIDTH b1/b2 mm 750 850 750/1199-1504 4.22 FORK DIMENSIONS \$ mm 70/150/1150 35/100/1000 4.24 FORK-CARRIAGE WIDTH b3 mm 650 650 825 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 650 560 230/790 4.26 DISTANCE BETWEEN FORK ARMS b4 mm - - 965/1270 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 20 40 4.34 AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE Ast mm 2336 2540 2588 4.35 TURING RADIUS Wa mm 1440 1760 1790 PERFEMMANCE DAT	4.19	OVERALL LENGTH	11	mm	1750	1850	1640
4.22 FORK DIMENSIONS s/e/l mm 70/150/1150 70/150/1150 35/100/1000 4.24 FORK-CARRIAGE WIDTH b3 mm 650 650 825 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 560 230/790 4.26 DISTANCE BETWEEN FORK ARMS b4 mm - - 965/1270 4.26 DISTANCE BETWEEN LEGS MIN/MAX b4 mm -0 - 965/1270 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE mm 200 040 - 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE mm 20336 2540 2588 4.35 TURNING RADIUS Ma mm 1440 1760 1790 FEREWERNE UFT SPEED, LADEN/UNLADEN m/s 0,09/0,12 0,09/0,12 0.09/0,12 0.09/0,12 5.1 SERVICE BRAKE - - - MANUAL ELECTING SPEED, LADEN/UNLADEN m/s 0,4/0,1 0,4/0,1 0,4/0,1 5.10	4.20	LENGTH TO FACE OF FORKS	12	mm	600	700	640
4.24 FORK-CARRIAGE WIDTH b3 mm 650 825 4.25 DISTANCE BETWEEN FORK ARMS b5 mm 560 230/790 4.26 DISTANCE BETWEEN LEGS MIN/MAX b4 mm - - 965/1270 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 20 20 40 4.34 AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE Ast mm 2336 2540 2588 4.35 TURNIG RADIUS Ma md 1440 1760 1790 5.2 LIFT SPEED, LADEN/UNLADEN m/s 0,09/0,12 0,09/0,12 0.09/0,12 5.3 LOWERING SPEED, LADEN/UNLADEN m/s 0,4/0,1 0,4/0,1 0,4/0,1 5.10 SERVICE BRAKE - - - MANUAL ELEVIENC MOTHE ELEVIENC MOTHE 1,6 2,2 1.6 ELEVIENC MOTHE 12/70 (C20) 24/70 (C20) 12/70 (C20) ELEVIENC MOTINAL CAPACITY C5 <t< td=""><td>4.21</td><td>OVERALL WIDTH</td><td>b1/b2</td><td>mm</td><td>750</td><td>850</td><td>750/1199-1504</td></t<>	4.21	OVERALL WIDTH	b1/b2	mm	750	850	750/1199-1504
4.25 DISTANCE BETWEEN FORK ARMS b5 mm 560 230/790 4.26 DISTANCE BETWEEN LEGS MIN/MAX b4 mm - - 965/1270 4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 20 20 40 4.34 AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE Ast mm 2336 2540 2588 4.35 TURNING RADIUS Wa mm 1440 1760 1790 PERFORMANCE DAT 0,09/0,12 0,09/0,12 0.09/0,12 0.09/0,12 5.2 LIFT SPEED, LADEN/UNLADEN m/s 0,4/0,1 0,4/0,1 0,4/0,1 5.10 SERVICE BRAKE - - - MANUAL 5.10 SERVICE BRAKE - - - MANUAL 5.10 SERVICE BRAKE - - - MANUAL 5.2 LIFT MOTOR POWER KW 1,6 2,2 1.6 6.2 LIFT MOTOR POWER KW 1,270 (C20) <t< td=""><td>4.22</td><td>FORK DIMENSIONS</td><td>s/e/l</td><td>mm</td><td>70/150/1150</td><td>70/150/1150</td><td>35/100/1000</td></t<>	4.22	FORK DIMENSIONS	s/e/l	mm	70/150/1150	70/150/1150	35/100/1000
4.26DISTANCE BETWEEN LEGS MIN/MAXb4mm965/12704.32GROUND CLEARANCE, CENTRE OF WHEEL BASEm2mm2020404.34AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISEAstmm2336254025884.35TURNING RADIUSWamm144017601790PERFORMANCE DAT5.2LIFT SPECD, LADEN/UNLADENm/s0,09/0,120,09/0,120.09/0,125.3LOWERING SPEED, LADEN/UNLADENm/s0,4/0,10,4/0,10,4/0,15.10SERVICE BRAKEMANUALELECTTIC MOTORS6.2LIFT MOTOR POWER AKEBATTERY VICITAGE, NOMINAL CAPACITY C5V/An1,62,21.6ATTERY WEIGHT12/70 (C20)24/70 (C20)12/70 (C20)6.5JATTERY WEIGHT1632EEEEEA INTERY VICITAGE, NOMINAL CAPACITY C5V/An1,62,21.66.5JATTERY WEIGHT12/70 (C20)24/70 (C20)12/70 (C20)EEEEEEEEEEEE<	4.24	FORK-CARRIAGE WIDTH	b3	mm	650	650	825
4.32 GROUND CLEARANCE, CENTRE OF WHEEL BASE m2 mm 20 20 40 4.34 AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE Ast mm 2336 2540 2588 4.35 TURNING RADIUS Wa mm 1440 1760 1790 PERFORMANCE DAT 5.2 LIFT SPEED, LADEN/UNLADEN m/s 0,09/0,12 0,09/0,12 0.09/0,12 5.3 LOWERING SPEED, LADEN/UNLADEN m/s 0,04/0,1 0.4/0,1 0.4/0,1 5.10 SERVICE BRAKE - - - MANUAL ELECTRIC MOTORS 6.2 LIFT MOTOR POWER KW 1,6 2,2 1.6 ELECTRIC MOTORS 6.2 LIFT MOTOR POWER KW 1,6 2,2 1.6 6.4 BATTERY WOLTAGE, NOMINAL CAPACITY C5 V/A 12/70 (C20) 24/70 (C20) 12/70 (C20) ELECTRIC WEIGHT 16 32 32 ELECTRIC WEIGHT DRIVER'S EAR dB(A) 67 67 67	4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	560	560	230/790
4.34 AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE Ast mm 2336 2540 2588 4.35 TURNING RADIUS Wa mm 1440 1760 1790 PERFERMANCE DAT 5.2 LIFT SPEED, LADEN/UNLADEN m/s 0,09/0,12 0,09/0,12 0.09/0,12 5.3 LOWERING SPEED, LADEN/UNLADEN m/s 0,04/0,1 0,4/0,1 0.4/0,1 5.10 SERVICE BRAKE - - - MANUAL ELECTRIC MOTORS 6.2 LIFT MOTOR POWER KW 1,6 2,2 1,6 6.4 BATTERY WEIGHT KW 12/70 (C20) 24/70 (C20) 12/70 (C20) ELECTRIC WEIGHT K 8.4 SOUND LEVEL AT DRIVER'S EAR dB(A) 67 67 67	4.26	DISTANCE BETWEEN LEGS MIN/MAX	b4	mm	-	-	965/1270
4.35 TURNING RADIUS Wa mm 1440 1760 1790 PERFORMANCE DATA 5.2 LIFT SPEED, LADEN/UNLADEN m/s 0,09/0,12 0,09/0,12 0.09/0,12 5.3 LOWERING SPEED, LADEN/UNLADEN m/s 0,4/0,1 0,4/0,1 0.4/0,1 5.10 SERVICE BRAKE - - - MANUAL ELECTRIC MOTOR - - MANUAL - 6.2 LIFT MOTOR POWER KW 1,6 2,2 1.6 6.4 BATTERY VOLTAGE, NOMINAL CAPACITY C5 V/Ah 12/70 (C20) 24/70 (C20) 12/70 (C20) 6.5 BATTERY WEIGHT kg 16 32 32 32 8.4 SOUND LEVEL AT DRIVER'S EAR dB(A) 67 67 67 67	4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	20	20	
PERFORMANCE DATA 5.2 LIFT SPEED, LADEN/UNLADEN m/s 0,09/0,12 0,09/0,12 5.3 LOWERING SPEED, LADEN/UNLADEN m/s 0,4/0,1 0,4/0,1 0,4/0,1 5.10 SERVICE BRAKE - - MANUAL 5.10 SERVICE BRAKE - - MANUAL ELECTRIC MOTORS - - MANUAL 6.2 LIFT MOTOR POWER KW 1,6 2,2 1.6 6.4 BATTERY VOLTAGE, NOMINAL CAPACITY C5 V/Ah 12/70 (C20) 24/70 (C20) 12/70 (C20) 6.5 BATTERY WEIGHT kg 16 32 32 EXEMPTION UNITAGE, NOMINAL CAPACITY C5 Kg 67 67 67	4.34	AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	2336	2540	
5.2 LIFT SPEED, LADEN/UNLADEN m/s 0,09/0,12 0,09/0,12 5.3 LOWERING SPEED, LADEN/UNLADEN m/s 0,4/0,1 0,4/0,1 0,4/0.1 5.10 SERVICE BRAKE - - MANUAL ELECTRIC MOTORS 6.2 LIFT MOTOR POWER kW 1,6 2,2 1.6 6.4 BATTERY VOLTAGE, NOMINAL CAPACITY C5 V/Ah 12/70 (C20) 24/70 (C20) 12/70 (C20) 6.5 BATTERY WEIGHT kg 16 32 32 ELECTRY WEIGHT SEAR 8.4 SOUND LEVEL AT DRIVER'S EAR dB(A) 67 67 67	4.35	TURNING RADIUS	Wa	mm	1440	1760	1790
5.3 LOWERING SPEED, LADEN/UNLADEN m/s 0,4/0,1 0,4/0,1 5.10 SERVICE BRAKE - - MANUAL ELECTRIC BRAKE - - MANUAL ELECTRIC MOTORS ELECTRIC MOTORS 6.2 LIFT MOTOR POWER kW 1,6 2,2 1.6 6.4 BATTERY VOLTAGE, NOMINAL CAPACITY C5 V/Ah 12/70 (C20) 24/70 (C20) 12/70 (C20) 6.5 BATTERY WEIGHT 0 0 0 6.5 Wilde Manual CAPACITY C5 V/Ah 12/70 (C20) 24/70 (C20) 12/70 (C20) 6.5 BATTERY WEIGHT 0 0 0 0 0 6.5 WIMAL CAPACITY C5 V/Ah 16 32 0 0 8.4 SOUND LEVEL AT DRIVER'S EAR dB(A) 67 67 67	PERF						
5.10SERVICE BRAKEMANUALELECTRIC WOTORS6.2LIFT MOTOR POWERKW1,62,21.66.4BATTERY VOLTAGE, NOMINAL CAPACITY C5V/A12/70 (C20)24/70 (C20)12/70 (C20)6.5BATTERY WEIGHTds000E8.4SOUND LEVEL AT DRIVER'S EARdB(A)676767		,		m/s			
ELECTRIC MOTORS KW 1,6 2,2 1.6 6.2 LIFT MOTOR POWER kW 1,6 2,2 1.6 6.4 BATTERY VOLTAGE, NOMINAL CAPACITY C5 V/Ah 12/70 (C20) 24/70 (C20) 12/70 (C20) 6.5 BATTERY WEIGHT kg 16 32 32 SUND LEVEL AT DRIVER'S EAR dB(A) 67 67 67	5.3	LOWERING SPEED, LADEN/UNLADEN		m/s	0,4/0,1	0,4/0,1	
6.2 LIFT MOTOR POWER kW 1,6 2,2 1.6 6.4 BATTERY VOLTAGE, NOMINAL CAPACITY C5 V/Ah 12/70 (C20) 24/70 (C20) 12/70 (C20) 6.5 BATTERY WEIGHT kg 16 32 32 sound Level AT DRIVER'S EAR dB(A) 67 67 67					-	-	MANUAL
6.4 BATTERY VOLTAGE, NOMINAL CAPACITY C5 V/Ah 12/70 (C20) 12/70 (C20) 6.5 BATTERY WEIGHT kg 16 32 32	ELEC	TRIC MOTORS					
6.5 BATTERY WEIGHT kg 16 32 32 8.4 SOUND LEVEL AT DRIVER'S EAR dB(A) 67 67 67	6.2					•	
8.4 SOUND LEVEL AT DRIVER'S EAR dB(A) 67 67 67							
	6.5	BATTERY WEIGHT		kg	16	32	32
				dB(A)	67	67	67

G = Rubber, N = Nylon, P = Polyurethane, A = Steel, NE = Nylon extra

MODEL			TX 10/09	TX 10/16	TX 12/25	TX 12/29
LIFT	h3	mm	810	1510	2410	2810
HEIGHT, MAST LOWERED	h1	mm	1300	1970	1780	1980
FREE LIFT	h2	mm	810	1510	-	-
HEIGHT, MAST EXTENDED	h4	mm	1300	1970	2985	3385
SERVICE WEIGHT WITH BATTERY (SEE ROW 6.5)		kg	296	311	415	431
AXLE LOAD LADEN, FRONT/REAR		kg	228/1068	241/1070	493/1122	502/1129
AXLE LOAD UNLADEN, FRONT/REAR		kg	197/99	210/101	301/114	310/121

RX

RX is the most compact in the stackers' range, single mast, completely electric, suitable for loads up to 1.000 kg and elevation up to 1.600 mm, allowing a comfortable, safe use, with low maintenance costs, thanks to robust design with easy access for maintenance. RX combines compactness and ergonomics, offering a wide range of applications distribution and manufacturing environments and it is not intended for continuous daily activity.





EASY MAINTENANCE

Strong ABS carter/cover with storage compartments on top, easily removable to speed up maintenance operations. The bottom access opening allows an immediate disassembly of motor wheel, portal and tiller without lifting the machine.



ERGONOMICS

Ergonomic tiller placed laterally to increase visibility, ensuring an optimal arrangement of components inside the motor compartment. RX 10/16 solves perfectly the problem of handling goods in narrow spaces and corridors



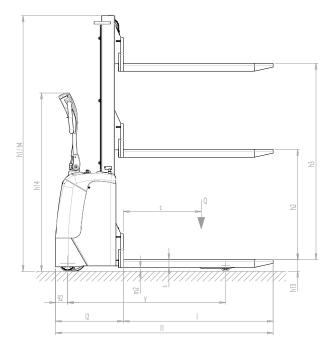
VERSATILITY

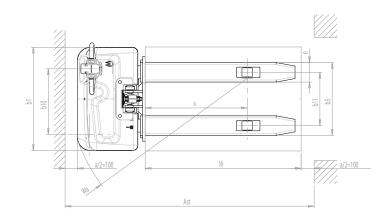
It's ideal to move, even horizontally, palletized goods and at the same time it can be used as an adjustable worktable, reducing stress for the operator who must place goods on a shelf. Forks thickness 60 mm for an easier entrance inside pallet, while working in elevation.



BATTERY PACK

Starting batteries (light-traction PLUS or GEL type as option), lightweight and inexpensive, allow up to 3 hours autonomy.





.2 MODEL			RX 10/09	RX 10/09 "PLUS"	RX 10/09 "GEL"	RX 10/16	RX 10/16 "PLUS"	RX 10/16 "GEL'
.3 DRIVE .4 OPERATOR TYPE			ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	0	l.e.		PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN	
.5 LOAD CAPACITY	Q	kg	1000	1000	1000	1000	1000	1000
.6 LOAD CENTRE DISTANCE	C	mm	600	600	600	600	600	600
.8 LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	Х	mm	786	786	786	786	786	786
.9 WHEEL BASE	у	mm	1165	1165	1165	1165	1165	1165
		l en	007	045	0.45	000	071	071
.1 SERVICE WEIGHT WITH BATTERY (SEE ROW 6.5)		kg	337	345	345	363	371	371
.2 AXLE LOAD LADEN, FRONT/REAR		kg	405/932	411/934	411/934	426/937	434/937	434/937
.3 AXLE LOAD UNLADEN, FRONT/REAR		kg	240/97	246/99	246/99	261/102	269/102	269/102
YRES/CHASSIS			G+P/P	G+P/P	G+P/P	G+P/P	G+P/P	G+P/P
2 TYRE SIZE, FRONT (Ø x width)			186x50	186x50	186x50	186x50	186x50	186x50
3 TYRE SIZE, REAR (Ø x width)			82x70	82x70	82x70	82x70	82x70	82x70
4 SIDE WHEELS (Ø x width)			125x45	125x45	125x45	125x45	125x45	125x45
.5 WHEELS, NUMBER (x=DRIVEN) FRONT/REAR	1.46		1x+1/2	1x+1/2	1x+1/2	1x+1/2	1x+1/2	1x+1/2
.6 TREAD, FRONT	b10	mm	505	505	505	505	505	505
.7 TREAD, REAR	b11	mm	410	410	410	410	410	410
IMENSIONS								
2 HEIGHT, MAST LOWERED	h1	mm	1270	1270	1270	1970	1970	1970
3 FREE LIFT	h2	mm	810	810	810	1510	1510	1510
4 LIFT	h3	mm	810	810	810	1510	1510	1510
5 HEIGHT, MAST EXTENDED	h4	mm	1270	1270	1270	1970	1970	1970
9 HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	930/1365	930/1365	930/1365	930/1365	930/1365	930/1365
15 HEIGHT, LOWERED	h13	mm	90	90	90	90	90	90
19 OVERALL LENGTH	11	mm	1675	1675	1675	1675	1675	1675
.20 LENGTH TO FACE OF FORKS	12	mm	522	522	522	522	522	522
.21 OVERALL WIDTH	b1	mm	794	794	794	794	794	794
.22 FORK DIMENSIONS	s/e/l	mm	60/150/1153	60/150/1153	60/150/1153	60/150/1153	60/150/1153	60/150/1153
.24 FORK-CARRIAGE WIDTH	b3	mm	650	650	650	650	650	650
.25 DISTANCE BETWEEN FORK ARMS	b5	mm	560	560	560	560	560	560
32 GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	20	20	20	20	20	20
34 AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	2120	2120	2120	2120	2120	2120
35 TURNING RADIUS	Wa	mm	1344	1344	1344	1344	1344	1344
ERFORMANCE DATA								
.1 TRAVEL SPEED, LADEN/UNLADEN		km/h	3,7/4,3	3,7/4,3	3,7/4,3	3,7/4,3	3,7/4,3	3,7/4,3
.2 LIFT SPEED, LADEN/UNLADEN		m/s	0,11/0,18	0,11/0,18	0,11/0,18	0,11/0,18	0,11/0,18	0,11/0,18
3 LOWERING SPEED, LADEN/UNLADEN		m/s	0,18/0,18	0,18/0,18	0,18/0,18	0,18/0,18	0,18/0,18	0,18/0,18
.8 MAX GRADEABILITY, LADEN/UNLADEN		%	9/25	9/25	9/25	9/25	9/25	9/25
.10 SERVICE BRAKE			ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
LECTRIC MOTORS								
1 DRIVE MOTOR POWER		kW	0,35	0,35	0,35	0,35	0,35	0,35
2 LIFT MOTOR POWER		kW	2,2	2,2	2,2	2,2	2,2	2,2
.4 BATTERY VOLTAGE, NOMINAL CAPACITY C5		V/Ah	24/70 (C20)	24/54	24/50	24/70 (C20)	24/54	24/50
.5 BATTERY WEIGHT		kg	30	38	38	30	38	38
.4 SOUND LEVEL AT DRIVER'S EAR		dB(A)	63	63	63	63	63	63

GX

This compact sized stacker, powerful and reliable, is the ideal solution to work in confined spaces. The Duplex mast allows a lifting capacity from 2500 up to 3500 mm with a FreeLift version available. The reduced width (800 mm), the lateral driving system and the wide mast positioning assure great manoeuvrability, stability and visibility. The built in battery and charger with integrated cable and plug make the GX Series a plug and play unit.

GX Basic

The BASIC version is equipped with a starting type battery, a tiller made with metal tube and ergonomic controls. This configuration is the best value for money choice.



The EVO version is equipped with more powerful batteries - semitraction type - that allow longer endurance and greater number of charging cycles. The ergonomic tiller made with PLASTIC offers a comfortable grip. A specific electronic board controls the fork movement offering a smooth start-stop.

GX Freelift

The GX EVO is also available with a total free lift configuration, permitting to rise the forks up to 1.492 mm from the ground level, without increasing the minimum machine height (1.965 mm). For this reason the truck can also be used in working spaces with reduced height.

FINGERTIP CONTROLS Fully integrated tiller system with throttle, fork

control safety pushbutton, horn, and turtle button. Hourmeter, battery status indicator and a higher ergonomics are the standard equipment of the EVO version.



COVER

Strong ABS cover with storage compartments on top, easily removable to speed up maintenance operations. The bottom access opening allows an immediate disassembly of motor wheel, portal and tiller without lifting the machine. A Schuko plug with spiral cable is available for an easy battery charging.





MANOEUVRABILITY

Having the same size as the EuroPallet (800 mm), the overall width of the GX allows the unit to work in narrow spaces and corridors, with increased manoeuvrability and a reduced turning radius. The combination of the lateral drive, the wide mast and the low cover offer an outstanding visibility.

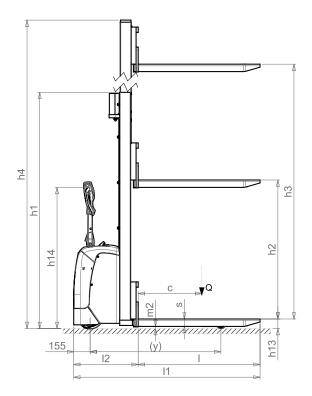
BATTERY PACK

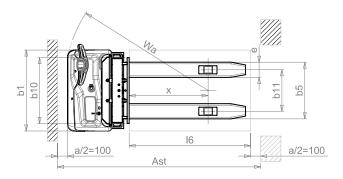
The separate battery compartment is the housing of starting batteries on BASIC version, SEMI-TRACTION on the EVO one. Such batteries are lightweight and inexpensive and allow up to a 3 hours working autonomy. GEL version available.











DESC	RIPTION									
1.2	MODEL			GX 12/25	GX 12/29	GX 12/35	GX 12/25	GX 12/29	GX 12/35	GX 12/29 EV0
				BASIC	BASIC	BASIC	EVO	EVO	EVO	FREELIFT
1.3	DRIVE			ELECTRIC						
1.4	OPERATOR TYPE			PEDESTRIAN						
1.5	LOAD CAPACITY	Q	kg	1200	1200	1200	1200	1200	1200	1200
1.6	LOAD CENTRE DISTANCE	C	mm	600	600	600	600	600	600	600
1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	х	mm	780	780	780	780	780	780	780
1.9	WHEEL BASE	у	mm	1234	1234	1234	1234	1234	1234	1234
WEIG										
2.1	SERVICE WEIGHT WITH BATTERY (SEE ROW 6.5)		kg	530	545	578	570	585	618	615
2.2	AXLE LOAD LADEN, FRONT/REAR		kg	543/1187	558/1187	591/1187	583/1187	598/1187	631/1187	628/1187
2.3	AXLE LOAD UNLADEN, FRONT/REAR		kg	368/162	383/162	416/162	408/162	423/162	456/162	453/162
	S/CHASSIS							0.00		
3.1	TYRES			G+P/P						
3.2	TYRE SIZE, FRONT (Ø x width)			250x76						
3.3	TYRE SIZE, REAR (Ø x width)			82x70						
3.4	SIDE WHEELS (Ø x width)			100x38						
3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			1x+1/2						
3.6	TREAD, FRONT	b10	mm	565	565	565	565	565	565	565
3.7	TREAD, REAR	b11	mm	410	410	410	410	410	410	410
	NSIONS			4707	4007	0050	4707	1007	0050	1005
4.2	HEIGHT, MAST LOWERED	h1	mm	1787	1987	2250	1787	1987	2250	1965
4.3	FREE LIFT	h2	mm	-	-	80	-	-	80	1402
4.4		h3	mm	2410	2810	3410	2410	2810	3410	2810
4.5	HEIGHT, MAST EXTENDED	h4	mm	2992	3392	3916	2992	3392	3916	3372
4.6	INITIAL LIFT	h5	mm	-	-	-	-	-	-	-
4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	915/1310	915/1310	915/1310	960/1330	960/1330	960/1330	960/1330
4.15	HEIGHT, LOWERED	h13	mm	90	90	90	90	90	90	90
4.19	OVERALL LENGTH	1	mm	1760	1760	1760	1760	1760	1760	1760
4.20	LENGTH TO FACE OF FORKS	12	mm	609	609	609	609	609	609	609
4.21	OVERALL WIDTH	b1/b2	mm	800	800	800	800	800	800	800
4.22	FORK DIMENSIONS	s/e/l	mm	70/150/1150	70/150/1150	70/150/1150	70/150/1150	70/150/1150	70/150/1150	70/150/1150
4.24	FORK-CARRIAGE WIDTH	b3	mm	650	650	650	650	650	650	650
4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	560	560	560	560	560	560	560
4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	20	20	20	20	20	20	20
4.34	AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	2210	2210	2210	2210	2210	2210	2210
4.35	TURNING RADIUS	Wa	mm	1430	1430	1430	1430	1430	1430	1430
PERF	ORMANCE DATA									
5.1	TRAVEL SPEED, LADEN/UNLADEN		km/h	4,7/5,2	4,7/5,2	4,7/5,2	4,7/5,2	4,7/5,2	4,7/5,2	4,7/5,2
5.2	LIFT SPEED, LADEN/UNLADEN		m/s	0,11/0,19	0,11/0,19	0,11/0,19	0,11/0,19	0,11/0,19	0,11/0,19	0,10/0,18
5.3	LOWERING SPEED, LADEN/UNLADEN		m/s	0,12/0,15	0,12/0,15	0,12/0,15	0,25/0,3	0,25/0,3	0,25/0,3	0,25/0,3
5.8	MAX GRADEABILITY, LADEN/UNLADEN		%	5/10	5/10	5/10	5/10	5/10	5/10	5/10
5.10	SERVICE BRAKE			ELECTRIC						
	TRIC MOTORS									
ELEC	DRIVE MOTOR DOWER		kW	0,7	0,7	0,7	0,7	0,7	0,7	0,7
ELEC 6.1	DRIVE MOTOR POWER			2.2	2,2	2,2	2,2	2,2	2,2	2,2
	LIFT MOTOR POWER		kW	2,2						
6.1			KW V/Ah	24/85 (C20)	24/85 (C20)	24/85 (C20)	24/118 (C5)	24/118 (C5)	24/118 (C5)	24/118 (C5)
6.1 6.2	LIFT MOTOR POWER			,	24/85 (C20) 38	24/85 (C20) 38	24/118 (C5) 78	24/118 (C5) 78	24/118 (C5) 78	24/118 (C5) 78
6.1 6.2 6.4	LIFT MOTOR POWER BATTERY VOLTAGE, NOMINAL CAPACITY C5		V/Ah	24/85 (C20)		. ,		. ,		
6.1 6.2 6.4 6.5	LIFT MOTOR POWER BATTERY VOLTAGE, NOMINAL CAPACITY C5 BATTERY WEIGHT		V/Ah kg	24/85 (C20) 38	38	38	78	78	78	78

LX

The new LX is a strong and reliable partner which bridges the gap between low-duty and heavy duty material handling daily operations. Due to its durability, low maintenance LX is suitable for environments as logistic centers, terminals, production and manufacturing areas. Also the new tiller arm equipped with fork lifting and lowering proportional control improves user-friendliness and maneuverability of the truck.



Flip down operator platform available AC traction motor



CARTER INTERNAL FEATURES The New LX design with its strong wheel protection guard integrated into the frame structure aimed to increase both stability and safety. Now the new strong ABS battery cover comes with hinges which speed up all ordinary battery maintenance operations.



IMPROVED TILLER Improved tiller with lifting/lowering proportional control. Fully integrated system

with throttle, safety pushbutton, horn, hourmeter, battery status indicator.



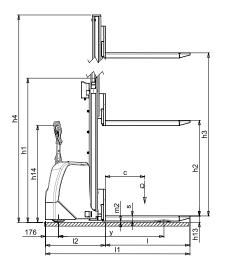
TOTAL WIDTH REDUCTION

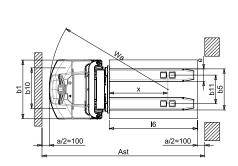
The LX maneuverability has been improved by reduction of total width from 850 mm to 800 mm and by side wheel always within the truck width even when pivoting, allowing the operator to handle goods in narrow spaces and corridors.



MAST

The wider mast combined with the new ergonomic tiller to make LX more agile and easy to use. A sticker ruler allows the operator to easily check the forks elevation by sight.





DESC	RIPTION										
1.2	MODEL				SIMPLEX			PLEX		TRIPLE	
				LX 12/16		LX 16/16	LX 12/29	LX 16/29		4/45	LX 14/45 FREELIFT
1.3	DRIVE			ELECTRIC		ELECTRIC	ELECTRIC	ELECTRIC		CTRIC	ELECTRIC
1.4	OPERATOR TYPE	_		PEDESTRIAN		PEDESTRIAN	PEDESTRIAN	PEDESTRIAN		STRIAN	PEDESTRIAN
1.5	LOAD CAPACITY	Q	kg	1200		1400	1200	1600		100	1400
1.6	LOAD CENTRE DISTANCE	С	mm	600		600	600	600		00	600
1.8	LOAD DISTANCE, CENTRE OF DRIVE AXLE TO FORK	X	mm	780		797	780	820		97	797
1.9 WEIG	WHEEL BASE	у	mm	1373		1436	1373	1436	12	136	1436
2.1	SERVICE WEIGHT WITH BATTERY (SEE LINE 6.5)		kg	768		920	856	1050	11	90	1223
2.2	AXLE LOAD LADEN, FRONT/REAR		kg	769/1199		888/1632	803/1253	977/1673		/1588	913/1710
2.3	AXLE LOAD UNLADEN, FRONT/REAR		kg	548/220		633/287	612/244	723/315		/389	823/400
-	S/CHASSIS		Ng	010/220		000/201	012/244	120/010	001	1000	020/400
3.1	TYRES			G+P/P		G+P/P	G+P/P	G+P/P	G+	-P/P	G+P/P
3.2	TYRE SIZE, FRONT (Ø x width)			250x76		250x101	250x76	250x101		x101	250x101
3.3	TYRE SIZE, REAR (Ø x width)			82x70		82x70	82x70	82x70		x70	82x70
3.4	SIDE WHEELS (Ø x width)			2 x 100x38		2 x 100x38	2 x 100x38	2 x 100x38	2 x 1	00x38	2 x 100x38
3.5	WHEELS, NUMBER (x=DRIVEN) FRONT/REAR			1x+2/4		1x+2/4	1x+2/4	1x+2/4	1x-	+2/4	1x+2/4
3.6	TREAD, FRONT	b10	mm	586		586	586	586		86	586
3.7	TREAD, REAR	b11	mm	390		390	390	390	3	90	390
DIME	ISIONS										
4.2	HEIGHT, MAST LOWERED	h1	mm	1965		1965	1988	1965	20)80	2089
4.3	FREE LIFT	h2	mm	1510		1510	-	-		-	1510
4.4	LIFT	h3	mm	1510		1510	2810	2810	44	10	4410
4.5	HEIGHT, MAST EXTENDED	h4	mm	1965		1965	3390	3370	50	020	5029
4.6	INITIAL LIFT	h5	mm	-		-	-	-		-	-
4.9	HEIGHT OF TILLER IN DRIVE POSITION MIN/MAX	h14	mm	990/1390		990/1390	990/1390	990/1390	990/	1390	990/1390
4.15	HEIGHT, LOWERED	h13	mm	90		90	90	90		90	90
4.19	OVERALL LENGTH	11	mm	1920		1966	1920	1944	19	966	1966
4.20	LENGTH TO FACE OF FORKS	12	mm	765		816	770	795	8	16	816
4.21	OVERALL WIDTH	b1	mm	800		800	800	800	8	00	800
4.22	FORK DIMENSIONS	s/e/l	mm	70/150/1150		70/170/1150	70/150/1150	70/170/1150	70/17	0/1150	70/170/1150
4.24	FORK-CARRIAGE WIDTH	b3	mm	650		644	650	644	6	44	644
4.25	DISTANCE BETWEEN FORK ARMS	b5	mm	560		560	560	560	5	60	560
4.32	GROUND CLEARANCE, CENTRE OF WHEEL BASE	m2	mm	20		20	20	20	2	20	20
4.34	AISLE WIDTH FOR PALLETS 800x1200 LENGTHWISE	Ast	mm	2330		2380	2330	2365	23	80	2380
4.35	TURNING RADIUS (PLATFORM CLOSED/OPEN)	Wa	mm	1550		1613	1550	1613	16	513	1613
PERF	DRMANCE DATA										
5.1	TRAVEL SPEED, LADEN/UNLADEN		km/h	6/6		6/6	6/6	6/6	6	/6	6/6
5.2	LIFT SPEED, LADEN/UNLADEN		m/s	0,15/0,28		0,14/0,28	0,15/0,28	0,13/0,25		/0,28	0,14/0,28
5.3	LOWERING SPEED, LADEN/UNLADEN		m/s	0,31/0,16		0,34/0,40	0,31/0,16	0,31/0,38		/0,40	0,34/0,40
5.8	MAX GRADEABILITY, LADEN/UNLADEN		%	5/10		5/10	5/10	5/10		10	5/10
5.10	SERVICE BRAKE			ELECTRIC		ELECTRIC	ELECTRIC	ELECTRIC	ELEC	CTRIC	ELECTRIC
			KW/	1.0		1.2	1.2	1.0	4	2	12
6.1	DRIVE MOTOR POWER		kW	1.2		1.2	1.2	1.2		.2	1.2
6.2	BATTERY VOLTAGE, NOMINAL CAPACITY C5		kW V/Ah	2,2 24/300		3,2 24/300	2,2 24/300	3,2 24/300		,2 300	3,2 24/300
6.4 6.5	BATTERY VOLIAGE, NOMINAL CAPACITY C5		v/An kg	24/300		24/300	24/300	24/300		300 70	24/300
0.0			кy	270		210	210	210	2	10	210
MODE	L	LX 12/25		K 12/35	DUPLEX LX 12/38	LX 16/25	LX 16/35	LX 14/42	TRIP LX 14/42	LEX LX 14/50	LX 14/50
050			- L						FREELIFT		FREELIFT
	CE WEIGHT WITH BATTERY (SEE LINE 6.5)	841	-	894	904	1025	1090	1172	1204	1229	1262
	OAD LADEN, FRONT/REAR	798/1243		17/1277	821/1283	960/1665	1005/1685	883/1689	902/1702	916/1713	935/1727
	OAD UNLADEN, FRONT/REAR	601/240	6	39/255	646/258	706/319	750/340	789/383	810/394	827/402	849/413
	T, MAST LOWERED h1 mm	1788		2258	2435	1765	2265	1985	1994	2285	2294
FREE		-		80	80	-	-	-	1370	-	1675
LIFT	T, MAST EXTENDED h4 mm	2410 2990		3410 3915	3760 4265	2410 2970	3410 3970	4110 4725	4110 4734	5025 5635	5025 5644
	,	2390		5315	4200	2970	3970	4123	4/ 04	3030	JU44
BATT	RY										

DALLENT			
BATTERY VOLTAGE, NOMINAL CAPACITY C5	V/Ah	24/225	24/300
BATTERY WEIGHT	kg	270	270

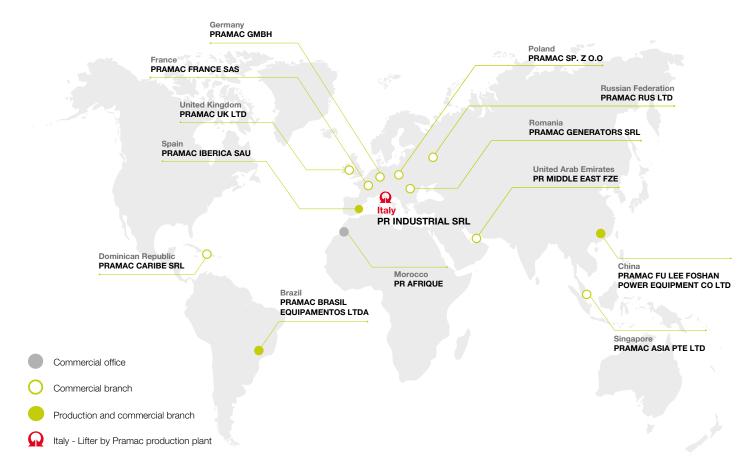
STACKERS

Residual lifting capacity - kg



* H3																
MODEL	900	1000	1200	1600	2000	2500	2900	3300	3500	3600	3800	3850	4000	4200	4500	5000
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							
TX 10/16 Straddle				1000 kg												
GX 12/25						1200 kg										
GX 12/29						1200 kg	800 kg									
GX 12/29 Free Lift						1200 kg	800 kg									
GX 12/35						1200 kg	800 kg		600 kg							
LX 12/16				1200 kg												
LX 12/25						1200 kg										
LX 12/29						1200 kg	1000 kg									
LX 12/35						1200 kg	1000 kg		800 kg							
LX 12/38						1200 kg	1000 kg		800 kg			800 kg				
LX 14/42								1400 kg		1200 kg			1000 kg	800 kg		
LX 14/45								1400 kg		1200 kg			1000 kg		800 kg	
LX 14/50								1400 kg		1200 kg			1000 kg			800 kg
LX 16/16				1600 kg												
LX 16/25						1600 kg										
LX 16/29						1600 kg	1400 kg									
LX 16/35						1600 kg	1400 kg		1100 kg							
LX 14/42 Free Lift								1400 kg		1200 kg			1000 kg	800 kg		
LX 14/45 Free Lift								1400 kg		1200 kg			1000 kg		800 kg	
LX 14/50 Free Lift								1400 kg		1200 kg			1000 kg			800 kg

*H3: Lifting height (mm) - Load center at C = 600 mm



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