



## CTX - CTXi Pedestrian stacker with mast and Flip Down platform

**This OM PIMESPO Pedestrian Stacker with mast and flip down platform is designed to provide maximum safety and ergonomic operating conditions. The most dependable and tested technologies guarantee the high degree of reliability and productivity of these trucks even in the most difficult operating conditions. The CTXi version is equipped with the initial lift function. Standard power-assisted tiller steering on both the CTX and CTXi.**

### Frame

Four-point support configuration with fixed side traction unit and one anti-roll wheel. This configuration provides stability and a high level of residual capacity, essential elements for a forklift truck with mast.

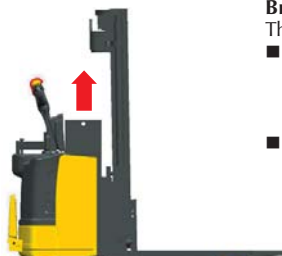
The motor compartment cover is made of polyethylene (PET), which is a flexible but strong material. The battery cover is also made of the same material with ample storage space for objects and documents on top.

The CTX and CTXi models can be configured with different chassis and two types of mast with a rated load capacity of 1400 kg and 2000 kg

The different battery compartments in the two basic models can accommodate a DIN battery in the CTXi model and a battery with DIN elements in the CTX model. The batteries are completely enclosed within the frame and are easily accessed by means of a polyethylene cover. The battery in the CTX model is removed from the side and from the top only in the CTXi model.



Battery removal CTX



Battery removal CTXi

A wide range of lift masts is available: Simplex (unavailable on the CTXi model), Duplex and Triplex providing ample visibility forward. The forks are lifted and lowered by operating a butterfly on the tiller, which operates a proportional valve.

### Driver's platform

The platform has a soft rubber mat and a non slip surface that provides maximum operator comfort and safety. The platform is only 170 mm from the ground and when the driver is on board, lowers even further to facilitate easy demounting of the machine. The side guards (optional on the TLX) are padded with polyurethane foam and are at an ideal height for the safe and effective protection of the operator on the platform. The special design of these guards and their simple but secure opening/closing system allow the truck to be easily reconfigured.

The one piece tiller is manufactured from very light but sturdy plastic; the ergonomic handle and optimized layout of the controls create optimal driving conditions. The light finger tip pushbuttons can be operated easily. The tiller provides electric power-assisted steering to reduce operator fatigue and offers maximum comfort stationary and at top speed.

### Traction unit

The separately excited traction motors have a rated power of 1.2 kW (TLX) and 2.5 kW (TSX).

This feature with the dedicated software offer the benefits of both separate excitation and series excitation:

- Speed control when laden, unladen, and on gradients.
- Energy recovery system with reduced energy consumption.

### Braking

The truck has two separate braking systems:

- Service brake Æ Inversion braking on the traction motor (regenerative braking) performed by the electronic control when the butterfly direction control is released.
- Handbrake Æ Electromagnetic brake.

### Electronic system

The electronic system with MOSFET technology controls both the traction and lift motors. The CANBUS serial transmission of electronic signals reducing the wiring, and the use of automotive connectors all contribute to an excellent record of reliability. By using proximity sensors instead of mechanical microswitches and reducing the number of remote control switches, the truck has a technical configuration that greatly reduces maintenance costs.

The steering motor is controlled by a dedicated MOSFET electronic card.

Standard features include:

- Speed reduction when the forks are raised from a predetermined range.
- Automatic lowering of arms when the fork lift unit is operated (CTX).
- Lock-out of arm lift function when the forks are raised from a predetermined range (CTXi).
- Load detection pressure switch with automatic traction speed reduction.

### Optional equipment

- Various mast lift heights.
- Cold store version (-30 °C).
- Rubber drive wheel (CTX – CTXi 14).
- Angled adjustable forks.
- Tandem load roller (CTX 14).
- Speed reduction when cornering.
- Load Backrest.
- On-Board Charger.
- Battery stand (CTX).
- Adjustable forks with FEM attachment and angled section (CTX 14 only).

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### OM Carrelli Elevatori S.p.A.

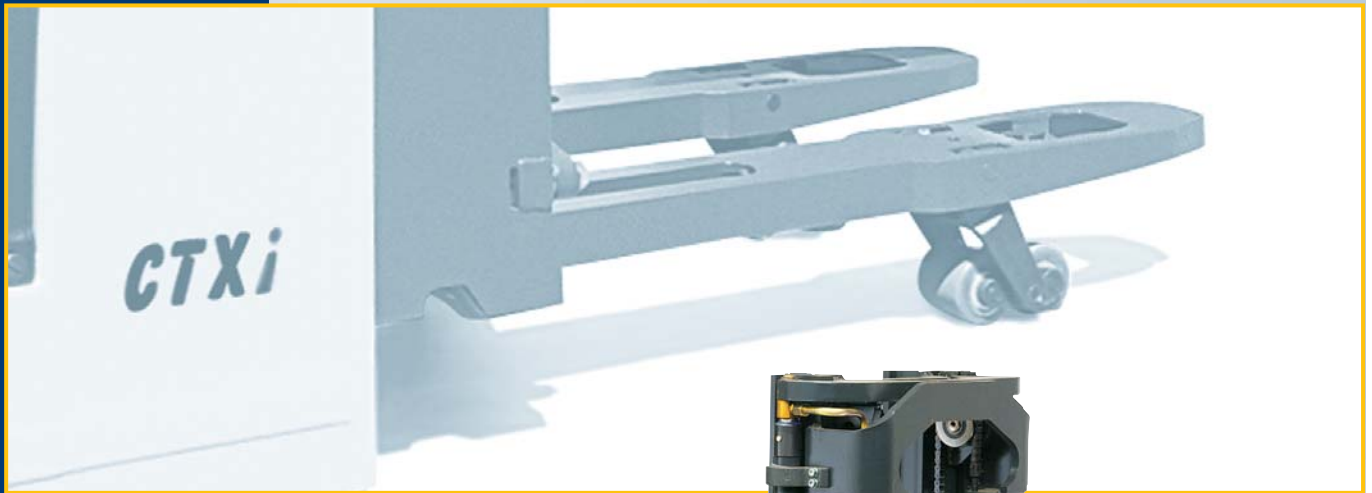
Viale A. De Gasperi, 7  
I-20020 Lainate (MI)  
Tel.: +39(02)937 65-1  
Fax: +39(02)937 65-450

### OM PIMESPO (UK) Ltd. - Komatsu House

1 Upton Road  
Somers Road Industrial Estate Rugby  
Warwickshire CV22 7DL  
Tel.: +44(17 88)566-510  
Fax: +44(17 88)566-511  
[www.ompimespo.com](http://www.ompimespo.com)

# CTX - CTXi

Technical data



designed to work



# CTX - CTXi Technical data

VDI 2198

Characteristics	1.1	Manufacturer		OM PIMESPO	OM PIMESPO
	1.2	Manufacturer type designation		CTX 14	CTX 20
	1.3	Drive unit: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian	Pedestrian
Weight	1.5	Load capacity	Q (t)	1,4	2
	1.6	Load center	c (mm)	600	600
	1.8	Load distance, centre of drive axle to fork face	x (mm)	711 <sup>(2)</sup>	706 <sup>(2)</sup>
Wheels, Tyres	1.9	Wheelbase	y (mm)	1323	1323
	2.1	Truck weight (without battery)	kg	971 <sup>(3)</sup>	1013 <sup>(3)</sup>
	2.2	Axle loading, loaded (front/ rear)	kg	1620 / 1011 <sup>(3)</sup>	2208 / 1101 <sup>(3)</sup>
Dimensions	2.3	Axle loading, unloaded (front/ rear)	kg	338 / 893 <sup>(3)</sup>	368 / 940 <sup>(3)</sup>
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane
	3.2	Tyre size (front)	mm	230 / 140	230 / 140
	3.3	Tyre size (rear)	mm	85 ´ 90	85 ´ 70
	3.5	Wheels number, front / rear (x= driven wheels)		2 / 1x-1	4 / 1x-1
	3.6	Tread, front	b <sub>10</sub> (mm)	380	380
	3.7	Tread, rear	b <sub>11</sub> (mm)	578	578
	4.2	Height, mast lowered	h <sub>1</sub> (mm)	2327	2327
	4.3	Free lift	h <sub>2</sub> (mm)	140	90
	4.4	Lift height	h <sub>3</sub> (mm)	3580	3580
Performance	4.5	Height, mast extended	h <sub>4</sub> (mm)	4066 <sup>(4)</sup>	4088 <sup>(4)</sup>
	4.6	Initial lift	h <sub>5</sub> (mm)	/	/
	4.9	Height of tiller in drive position (min / max)	h <sub>14</sub> (mm)	1145 / 1342	1145 / 1342
	4.15	Forks height, lowered	h <sub>13</sub> (mm)	86	86
	4.19	Overall length (open/closed platform)	l <sub>1</sub> (mm)	2049 / 2376	2064 / 2381
	4.20	Length to face of forks (open/closed platform)	l <sub>2</sub> (mm)	899 / 1226	914 / 1231
	4.21	Overall width	b <sub>1</sub> (mm)	860	860
	4.22	Fork dimensions	s/e/l (mm)	66 / 190 / 1150	61 / 200 / 1150
	4.24	Fork carriage width	b <sub>3</sub> (mm)	680	680
	4.25	Maximum forks width	b <sub>5</sub> (mm)	570	570
	4.31	Ground clearance, laden, below mast	m <sub>1</sub> (mm)	/	/
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	30	30
	4.33	Aisle width pallets 1000x1200 (1200 forking side) open/closed	A <sub>SB</sub> (mm)	2499 / 2801	2555 / 2857
	4.34	Aisle width pallets 800x1200 (800 forking side) open/closed	A <sub>SB</sub> (mm)	2465 / 2769	2554 / 2856
	4.35	Turning radius	W <sub>a</sub> (mm)	1633 / 1937	1633 / 1937
Electric Motors	5.1	Travel speed:	Loaded / unloaded	km/h	6,5 / 8
	5.2	Lift speed:	Loaded / unloaded	m/s	0,16 / 0,26 <sup>(8)</sup>
	5.3	Lowering speed:	Loaded / unloaded	m/s	0,40 / 0,36
	5.7	Gradeability KB 15':	Loaded / unloaded	%	1,3 / 4,8 <sup>(9)</sup>
	5.8	Max gradeability KB 5':	Loaded / unloaded	%	3,9 / 9,1 <sup>(9)(10)</sup>
Other	5.10	Service brake		Electric	Electric
	6.1	Drive motor rating S2 60min	kW	1,2	1,2
	6.2	Lift motor rating at S3 15%	kW	2,2 <sup>(8)</sup> / 3	3
	6.3	Battery according to British Standard / DIN 43531/35/36 A, B, C		DIN	DIN
	6.4	Battery voltage / nominal capacity k5	V / Ah	24 / 240 (315 - 375)	24 / 315 (375)
	6.5	Battery weight (± 5%)	kg	260 (295 - 304)	295 (304)
Other	8.1	Control unit type		Electronic	Electronic
	8.4	Sound level at the driver's ear according to DIN 12 053	dB (A)	< 70	<70

(1) Used like transpallet

(2) -20 mm with TPX Full free lift mast

(3) with DPX LFL mast h3= 3580 & Min. nominal battery capacity (see weight, line 6.5)

(4) h4 + 490 mm with load back rest

(5) Value for masts with height till h3= 3580mm included

(6) Mast not available for model CTXi

(7) + 5 mm for model CTXi

(8) Performance obtained with lift motor 3 Kw

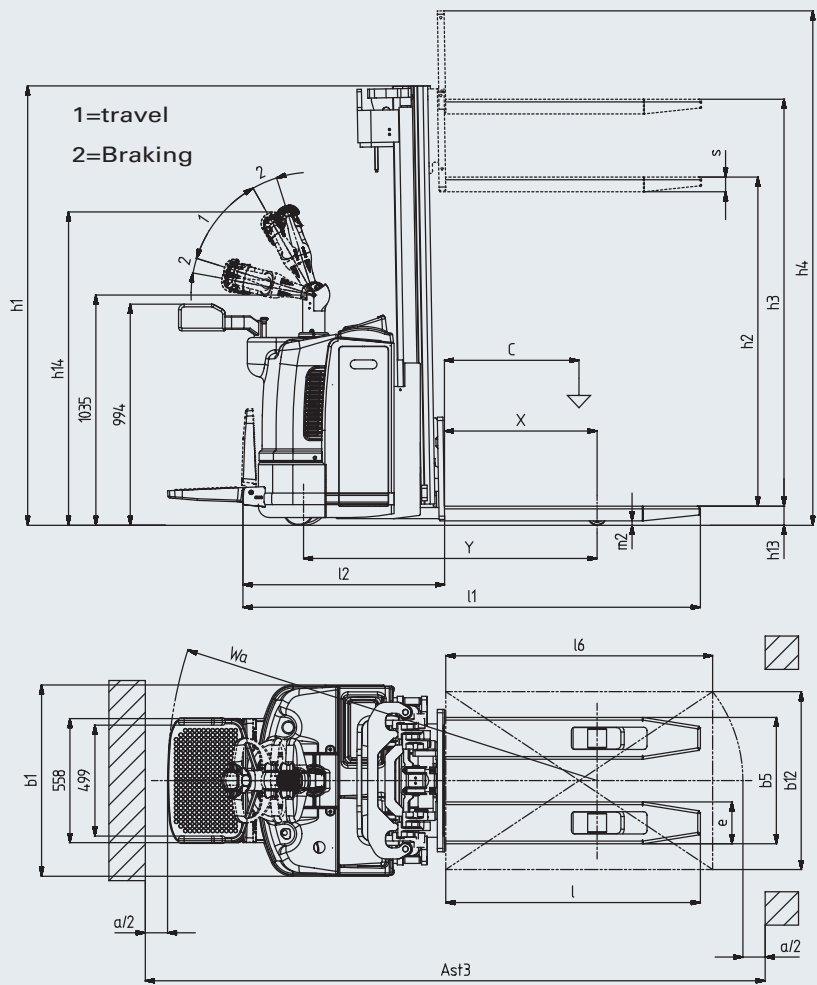
(9) Max gradeability due to overall dimension 18,3%

(10) Max gradeability due to overall dimension 9,1%

(11) Value referred in condition with legs lowered (h5=0 mm)

(12) Value referred in condition with legs extended (h5=135 mm)

OM PIMESPO	OM PIMESPO
CTXi 14	CTXi 20
Electric	Electric
Pedestrian	Pedestrian
1,4 (2 <sup>(1)</sup> )	2 (2 <sup>(1)</sup> )
600	600
645 <sup>(2)</sup> (12)	640 <sup>(2)</sup> (12)
1359 <sup>(12)</sup>	1359 <sup>(12)</sup>
1062 <sup>(3)</sup>	1105 <sup>(3)</sup>
1619 / 1222 <sup>(3)</sup> (11)	2194 / 1289 <sup>(3)</sup> (11)
358 / 1083 <sup>(3)</sup> (11)	382 / 1101 <sup>(3)</sup> (11)
Polyurethane	Polyurethane
230 / 140	230 / 140
85 ´ 70	85 ´ 70
4 / 1x-1	4 / 1x-1
380	380
578	578
2332	2332
140	90
3580	3580
4070 <sup>(4)</sup>	4092 <sup>(4)</sup>
135	135
1145 / 1342	1145 / 1342
91	91
2161 / 2485	2168 / 2492
1007 / 1330	1012 / 1335
860	860
66 / 190 / 1150	61 / 200 / 1150
680	680
570	570
/	/
25 / 160 <sup>(12)</sup>	25 / 160 <sup>(12)</sup>
2572 / 2870 <sup>(12)</sup>	2575 / 2873 <sup>(12)</sup>
2559 / 2857 <sup>(12)</sup>	2563 / 2861 <sup>(12)</sup>
1675 / 1973 <sup>(12)</sup>	1675 / 1973 <sup>(12)</sup>
6,5 / 8	5 / 8
0,16 / 0,26	0,10 / 0,17
0,40 / 0,36	0,30 / 0,23
1,2 / 4,1 <sup>(3)</sup> (9)	0,4 / 4 <sup>(3)</sup> (9)
3,6 / 8 <sup>(3)</sup> (9)	2,7 / 8 <sup>(3)</sup> (9)
Electric	Electric
1,2	1,2
3	3
DIN 43535 B	DIN 43535 B
24 / 330 (375)	24 / 330 (375)
288 (305)	288 (305)
Electronic	Electronic
<70	<70



1.4 t MAST TYPE		SPX <sup>(6)</sup>	Simplex				Duplex		Triplex			
Lift height	$h_3$ (mm)	1510 <sup>(6)</sup>	2900	3580	3980	4480	2990	3600	4170	4470	4940	5390
Height, mast lowered <sup>(7)</sup>	$h_1$ (mm)	1977	1977	2327	2527	2777	1977	2327	1877	1977	2177	2327
Free lift	$h_2$ (mm)	1491	140	140	140	140	1491	1810	1391	1491	1660	1810
Height, mast extended <sup>(7)</sup>	$h_4$ (mm)	1996	3386	4066	4466	4966	3476	4086	4656	4956	5426	5876

2.0 t MAST TYPE		Simplex		Triplex
Lift height	$h_3$ (mm)	2900	3580	4380
Height, mast lowered <sup>(11)</sup>	$h_1$ (mm)	1977	2327	1977
Free lift	$h_2$ (mm)	90	90	1469
Height, mast extended <sup>(11)</sup>	$h_4$ (mm)	3408	4088	4888

CTXi load capacity		
	Stacker	Transpallet
CTXi 14	1400 kg	2000 kg
CTXi 20	2000 kg	2000 kg

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For alternative masts see mast-table  
For alternative wheels see wheels-table

