XOP3
Vertical order pickers

OM-PIMESPO XOP3 vertical pickers are compact, powerful vehicles and are capable of picking up to 10,480 mm.

Available in two versions:

- **with fixed forks, without additional lift:** two robustly welded forks on the operator platform allow direct access onto the pallet for order picking.
- **with lifting forks with additional lift:** thanks to the additional lift during picking it is possible to carry the pallet at operator height.

Specifications
- Overall chassis width: 880 - 980 - 1080 1180 - 1380 mm
- Operator platform: width from 900 to 1,800 mm
- Operator platform height: up to 8,880 mm

Driver's cabin
The ergonomics of the driver's cabin guarantee optimum performance. The suspension of the operator's cabin and the floor of the cabin absorb bumps and rocking movements which may occur whilst driving, lifting and lowering. An ample padded backrest offers a relaxed driving position. The low position of the rise and the protection bars on three sides increase the level of safety.
A control panel with generously dimensioned controls allow for fast and safe operation. The control panel can either be used on the column side or on the side of the load. This gives the operator excellent visibility over the picking area or over the driving direction. The control panel has an integrated display that informs the driver on all of the functions of the truck.
By means of keys it is possible to select the display of: work hours, heights, wheel position, battery charge, as well as information for the operators and other workers. A further control panel allows activation of special functions and the lighting fixed onto the driver's overhead guard. The neon tubes for the lighting can be individually activated, with the beam directed towards shelving, forks or for illuminating the cabin.
Integrated object cupboards are housed in the internal trimmings, with stationery holder shelf, space for bottles, cans or tools.
A transparent plastic sheet fixed onto the column side between the column masts, protects the driver from draughts and noise.
A cable lowering device is integrated into the operator's overhead protection guard.
Furthermore, the open structure of the overhead guard gives free upward visibility.

Chassis
The chassis is an extremely rigid steel structure.
The engine is protected by a sheet-steel cover steel which is lifted by gas struts.
The battery cover is metal.

Drive
The drive motor mounted vertically forms a single drive unit with the transmission, the magnetic brake and the drive wheel.
The order picker can be fitted with guide rolls, which are useful in narrow aisles.

Battery
DIN 48V - 420 Ah or 560 Ah battery.
Ability to change the battery from both sides, by means of a fork lift truck or roller.
The flat battery indicator is connected with a lift stop device.

MasterDrive control
The easy to see controls offer excellent reliability and a high level of safety guaranteeing excellent operation of all functions.
- Fast, safe picking operations thanks to the combined horizontal travel movement and that of the cabin lift (diagonal motion along the aisle
- Energy recovery for extending operating time
- Height registering system
- Differentiated forward and reverse speeds which can be regulated for each gear
- Simultaneous movements such as gears and lift, are possible even outside the aisle
- The deadman pedal and the two-hand control protect all movements of gears and lifting
- An integrated diagnostics and service and service interface makes configuration and parameter setting easy with the service laptop
- Permanent error code memory
- Visualization of error codes

Steering
The standard fit electric steering always takes the wheel to a position which is central on ignition. The order picker is easily and precisely manoeuvrable.

Steering override
Mechanical and inductive steering without contact. In mechanical steering mode straight-line steering of the order picker traction wheel is automatically assured.

Masts
The compact construction of the column guarantees stability and torsional rigidity even at elevated heights, guaranteeing increased safety. The excellent visibility through the column and at the sides offers good visability.

Hydraulic system
All hydraulic movements are optimized by start/stop ramps and by the proportional valve damping technology during the movement of loads.

Brakes
The regenerative braking system is automatically activated when the butterfly switch is released.
The activation of the start switch in the opposite direction, in the same way produces sensitive and smooth braking.
Cross-current braking on one side reinforces the braking action and on the other recovers energy. The system of split braking operates almost without wear: the mechanical brake stops the order picker in rest mode and in the case of an emergency stop.

Additional equipment
- Automatic braking at the end of the aisle
- Lifting limits
- Mechanical and inductive drive
- Controls on column and/or on loading side
- Lighting adjustable towards shelving, on the pallet or inside the cabin
- Ventilator in the operator's protective overhead guard
- Data terminal for the transfer of information to printer and scanner
- Additional lifting of the forks
- Chassis in various widths
- Operator's protective overhead guard in different heights
- Writing area with document holder
- Feed attachment on operators protective overhead guard for external use
- Operator's protective overhead guard in Makrolon
- Roller for side battery changing
- Set of cables for interchangeable battery
- Padding for side barrier
- Equipped for refrigerator units
- Covering for load side with storage and interchangeable rear padding
- Special equipment available on request

The technical specifications quoted are given as an indication. OMPIMESPO reserves the right to modify them without warning

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XOP3
Technical data

designed to work

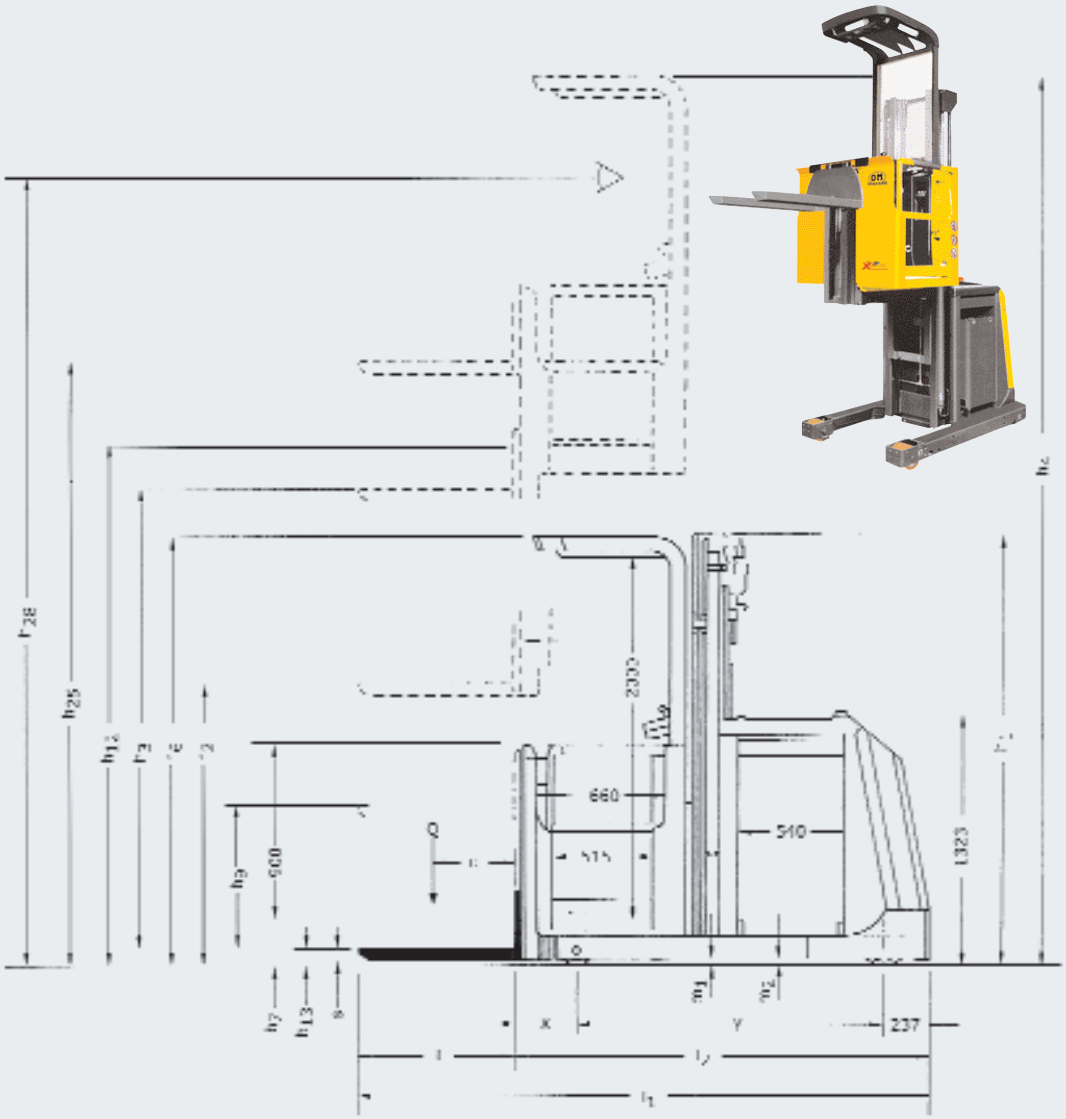
PIMESPO

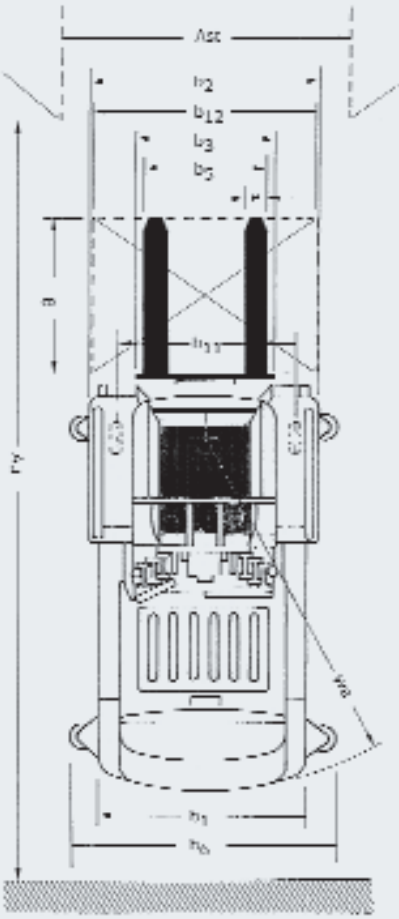
XOP3 - Technical data

VDI 2198

Specifications	1.1	**Manufacturer**		OM PIMESPO	OM PIMESPO
	1.2	**Manufacturer's type designation**		XOP3 Simplex	XOP3 Triplex
	1.3	**Drive: electric, diesel, petrol, fuel gas, mains**		Electric	Electric
	1.4	**Operator type: hand, with 2 operators, standing, seated, order picker.**		Standing	Standing
	1.5	**Capacity / Load**	Q (t)	1.2	1.2
	1.6	**Load centre distance**	c (mm)	400 / 600	400 / 600
	1.8	**Load distance, centre of drive axle to fork**	x (mm)	343	388
	1.9	**Distance between axles**	y (mm)	1557	1557
Weights	2.1	**Service weight (including battery)**	kg	2950	3150
	2.2	**Unloaded axle load (front/rear)**	kg	780 / 3370	880 / 3470
	2.3	**Axle loading unladen (front/rear)**	kg	1520 / 1430	1690 / 1540
Wheels and tyres	3.1	**Tyres: solid rubber, superelastic, pneumatic, polyurethane**		Polyurethane	Polyurethane
	3.2	**Front wheel dimensions**	mm	Ø 310 X 125	Ø 310 X 125
	3.3	**Rear wheel dimensions**	mm	Ø 170 X 152	Ø 170 X 152
	3.5	**Wheels: number front/rear (x=driven wheels)**		1x / 2	1x / 2
	3.6	**Front tread**	b10 (mm)	-	-
	3.7	**Rear tread**	b11 (mm)	900	900
Overall dimensions	4.2	**Height, mast lowered**	h1 (mm)	2250	2250
	4.3	**Free lift**	h2 (mm)	-	-
	4.4	**Lift**	h3 (mm)	2825	4390
	4.5	**Height, mast extended**	h4 (mm)	5165	6730
	4.7	**Height of overhead guard**	h6 (mm)	2340	2340
	4.8	**Seat height / stand height**	h7 (mm)	240	240
	4.11	**Additional lift**	h9 (mm)	740	740
	4.14	**Height of elevated platform**	h12 (mm)	3065	4630
	4.14.1	**Picking height (h12 +1600 mm)**	h28 (mm)	4665	6230
	4.15	**Lowered fork height**	h13 (mm)	65	65
	4.19	**Overall length**	l1 (mm)	2937	2982
	4.20	**Length to face of forks**	l2 (mm)	2137	2182
	4.21	**Overall width**	b1 /b2(mm)	1180 / 1200	1180 / 1200
	4.22	**Fork dimensions**	s/e/l (mm)	60 / 120 / 800	60 / 120 / 800
	4.23	**Fork carriage DIN 15173, Class/type, A/B**		Welded forks	Welded forks
	4.24	**Fork carriage plate width**	b3 (mm)	660	660
	4.25	**Distance between fork-arms**	b5 (mm)	640	640
	4.27	**Width on guide rollers**	b6 (mm)	1375	1375
	4.31	**Ground clearance, laden, below mast**	m1 (mm)	30	30
	4.32	**Ground clearance, centre of wheelbase**	m2 (mm)	50	50
	4.33	**Aisle width for pallets 800 x 1200 (l6 x b12)**	Ast (mm)	1380	1380
	4.35	**Turning radius**	Wa (mm)	1795	1795
	4.42	**Track change aisle for pallets 800 x 1200 (b12 x l6)**	Au (mm)	3290	3330
Performance	5.1	**Travel speed (laden/unladen)**	km/h	11.0 (1) / 11.0 (1)	11.0 (1) / 11.0 (1)
	5.2	**Lifting speed (laden/unladen)**	m/s	0.30 / 0.39	0.30 / 0.37
	5.3	**Lowering speed (laden/unladen)**	m/s	0.35 / 0.35	0.35 / 0.35
	5.9	**Acceleration time, laden/unladen**	s	7.0 / 7.0	7.0 / 7.0
	5.10	**Service brake**		Electric	Electric
Electric motor	6.1	**Drive motor, rating KB 60'**	kW	3.4	3.4
	6.2	**Lift motor, rating 15% ED**	kW	7.0	7.0
	6.3	**Battery acc. IEC 254 – 2; A, B, C, no**		IEC 254-2; A	IEC 254-2; A
	6.4	**Voltage / nominal capacity**	V / Ah	48 / 420 L	48 / 420 L
	6.5	**Battery weight (± 5%)**	kg	720	720
Other	8.1	**Drive type**		MOSFET	MOSFET
	8.4	**Sound level at the driver's ear**	dB (A)	< 68	< 68

(1) Speed according to EN 1726-2





Lift heights: Triplex masts

h_1	h_{25} $h_3+h_9+h_{13}$	h_{24} (h_3+h_9)	h_3	h_2 (h_1+h_6)	h_9	h_{12} (h_3+h_7)	h_{28} $(h_{12}+1600)$	h_4 (h_3+h_6)
3900	9445	9380	8640	1560	740	8880	10480	10980
3800	9145	9080	8340	1460	740	8580	10180	10680
3700	8845	8780	8040	1360	740	8280	9880	10380
3600	8545	8480	7740	1260	740	7980	9580	10080
3500	8245	8180	7440	1160	740	7680	9280	9780
3400	7945	7880	7140	1060	740	7380	8980	9480
3300	7785	7720	6980	960	740	7220	8820	9320
3300	7625	7560	6820	860	740	7060	8660	9160
3100	7465	7400	6660	760	740	6900	8500	9000
3000	7305	7240	6500	660	740	6740	8340	8840
2900	7145	7080	6340	560	740	6580	8180	8680
2800	6845	6780	6040	460	740	6280	7880	8380
2700	6545	6480	5740	360	740	5980	7580	8080
2600	6245	6180	5440	260	740	5680	7280	7780
2500	5945	5880	5140	160	740	5380	6980	7480
2450	5795	5730	4990	110	740	5230	6830	7330
2350	5495	5430	4690	10	740	4930	6530	7030
2250	5195	5130	4390	-	740	4630	6230	6730
2250	5045	4980	4240	-	740	4480	6080	6580
2250	4895	4830	4090	-	740	4330	5930	6430
2250	4745	4680	3940	-	740	4180	5780	6280
2250	4595	4530	3790	-	740	4030	5630	6130
2250	4445	4380	3640	-	740	3880	5480	5980
2250	4295	4230	3490	-	740	3730	5330	5830
2250	4145	4080	3340	-	740	3580	5180	5680
2250	3995	3930	3190	-	740	3430	5030	5530
2250	3845	3780	3040	-	740	3280	4880	5380
2250	3695	3630	2890	-	740	3130	4730	5230
2250	3885	3820	3080	-	740	3320	4920	5420

Lifting heights Simplex masts

h_1	h_{25} $h_3+h_9+h_{13}$	h_{24} (h_3+h_9)	h_3	h_2	h_{12} (h_3+h_7)	h_{28} $(h_{12}+1600)$	h_4 (h_3+h_6)
4400	7530	7465	6725	740	6965	8565	9065
4300	7330	7265	6525	740	6765	8365	8865
4200	7130	7065	6325	740	6565	8165	8665
4100	6930	6865	6125	740	6365	7965	8465
4000	6730	6665	5925	740	6165	7765	8265
3900	6530	6465	5725	740	5965	7565	8065
3800	6410	6345	5605	740	5845	7445	7945
3700	6290	6225	5485	740	5725	7325	7825
3600	6170	6105	5365	740	5605	7205	7705
3500	6050	5985	5245	740	5485	7085	7585
3400	5930	5865	5125	740	5365	6965	7465
3300	5730	5665	4925	740	5165	6765	7265
3200	5530	5465	4725	740	4965	6565	7065
3100	5330	5265	4525	740	4765	6365	6865
3000	5130	5065	4325	740	4565	6165	6665
2900	4930	4865	4125	740	4365	5965	6465
2800	4730	4665	3925	740	4165	5765	6265
2700	4530	4465	3725	740	3965	5565	6065
2600	4330	4265	3525	740	3765	5365	5865
2500	4130	4065	3325	740	3565	5165	5665
2450	4030	3965	3225	740	3465	5065	5565
2350	3830	3765	3025	740	3265	4865	5365
2250	3630	3565	2825	740	3065	4665	5165

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