



XOP1 Vertical order pickers

OM-PIMESPO XOP1 vertical pickers are compact, powerful vehicles and are capable of picking up to 3,500 mm.

Available in two versions:

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

Specifications

- Overall chassis width: 880 mm
- Operator platform: width 880 - 1500 mm
- Main lift for platform operator: 1165 mm or 1900 mm.

Driver's cabin

Thanks to the platform which gives ample freedom of movement, the order picker guarantees optimum performance.

The low position of the platform gives added comfort when lifting and lowering. The suspension of the platform and the surface of the cabin absorb bumps and rocking which may occur while being driven, or during lifting or lowering. The deadman switch is integrated and set in the floor in the surface of the platform. The control display panel as well as the storage trays, are integrated into the front section, between the mast columns.

On the left is the steering, and on the right the grab handle with butterfly switch for driving. With the butterfly switch positioned in front of the grab handle the direction of drive and speed are activated. In the curve of the grab handle it is possible to activate, by means of buttons, the hydraulic functions and the horn.

Chassis

The chassis is an extremely rigid steel structure. The motor housing is protected by a cover in sheet steel which can be lifted by gas springs/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.

MasterDrive control

The electronic control offers great reliability and a high level of safety. The MOSFET control technology acts as a central unit: all manoeuvres are controlled through the processing of signals and carried out by a microprocessor. An integrated diagnostics and service interface allows easy configuration and parameter setting of the fork lift with the service laptop.

Battery

24V 440Ah - 560Ah DIN battery. Ability to change the battery from both sides, by means of a fork lift truck or roller.

Steering

The standard fit electric steering always takes the wheel to a central position on ignition. The picker is easily and precisely manoeuvrable. An LED on the control panel indicates the wheel position. The steering angle control guarantees safe driving features with high performance.

Lift and hydraulic system

The picker has a stable single column version. Thanks to the width of the column, the control panel is contained in the column, thus making it possible to construct a vehicle which is extremely short and manoeuvrable. Lifting and lowering movements are activated with buttons by means of electro-valves. A pressure-limiting valve protects the machine from overload. The lowering hydraulic cylinder shock absorber allows gentle lowering of the cabin, thus protecting both the operator and the material.

Brakes

The braking system acts with two components: The electro-mechanical drive brake parks the vehicle when not being used. The regenerative braking system acts during use by: releasing the butterfly switch the motor brake is activated automatically and is electronically controlled, braking the order picker smoothly.

Standard specifications

XOP1 with 1900 mm lift platform with protection rail, has a pallet sensor.

- An electronic start switch for controlling drive and steering
- Safety valves for the hydraulic system
- Overload and short circuit electronic safety devices

- Side safety barriers for the versions with lift platform over 1160 mm
- Overhead protection guard for the operator for fork lift over 1800 mm.

Additional equipment

- Various versions:
 - Low level lifting, with additional lift
 - High level lifting, without additional lift
 - High level lifting, with additional lift
- Operator overhead protection guard
- Driver position lighting
- Work area lighting
- Rearview mirror
- Additional lift for forks
- Triple side barrier
- Display instrument for displaying battery capacity and work hours
- Functioning with accompaniment for order picking from ground level
- Control from load side or column side
- Equipped for refrigerator units
- Automatic braking at the end of the aisle
- Rear side padding on load side up to knee level
- Steering wheel with steering lever
- Mast available in two heights
- Intermediate lift disengagement
- Moving storage tray which follows lifting and lowering
- Writing console for storage tray with paperweight
- Adapter plate for data terminal, printer and scanner
- Driver platforms and chassis in various widths
- Different plates and fork holders for different pallets
- Mechanical steering override with/without gear recognition
- Batteries different sizes
- Roller for side battery changing
- Set of cables for interchangeable battery
- Special equipment available on request
- Service and maintenance
- Group housing easily accessible with wide-opening cover, even along the aisle
- Central interface for service and diagnostics
- Battery cover for maintenance from above

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

XOP1

Technical data



designed to work



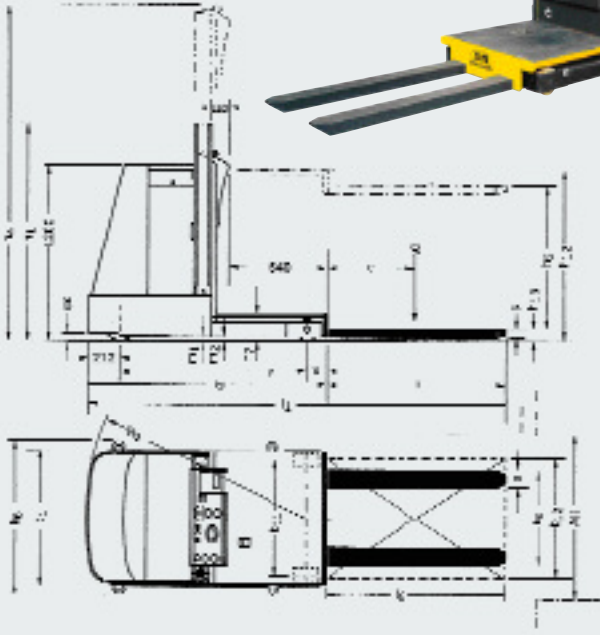
XOP1 - Technical data

VDI 2198

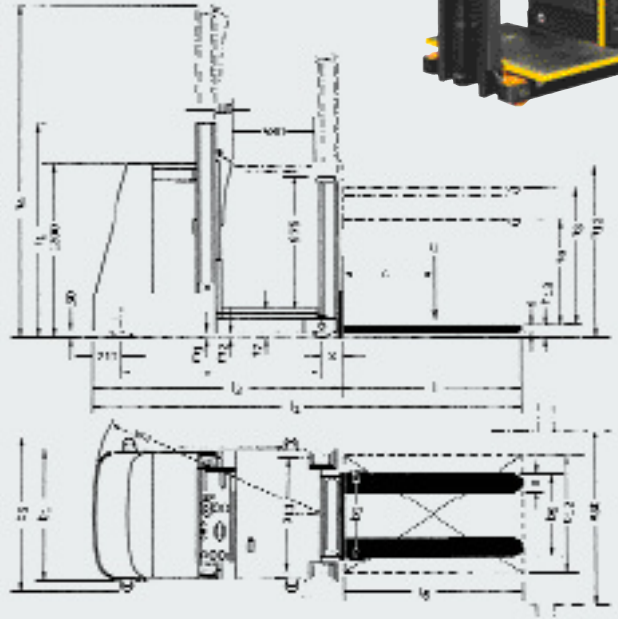
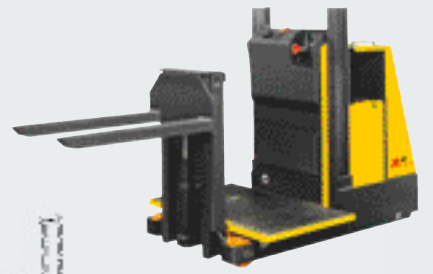
Specifications	1.1	Manufacturer	OM PIMESPO	OM PIMESPO	OM PIMESPO	OM PIMESPO	
	1.2	Manufacturer's type designation	XOP 1-1 Picker low level	XOP 1-2 Medium level with auxiliary lift	XOP 1-3 Medium level picker	XOP 1-4 Medium level with auxiliary lift	
	1.3	Drive: electric, diesel, petrol, fuel gas, mains	Electric	Electric	Electric	Electric	
	1.4	Operator type: hand, with 2 operators, standing, seated, order picker.	Standing	Standing	Standing	Standing	
Weights	1.5	Capacity / Load	Q (t)	1.0	1.0	1.0	
	1.6	Load centre distance	c (mm)	400 / 600	400 / 600	400 / 600	
	1.8	Load distance, centre of drive axle to fork	x (mm)	130	130	130	
	1.9	Distance between axles	y (mm)	1320	1410	1320	
	2.1	Service weight (including battery)	kg	1475	1575	1810	
	2.2	Unloaded axle load (front/rear)	kg	315 / 2160	315 / 2260	470 / 2340	
Wheels and tyres	2.3	Axle loading unladen (front/rear)	kg	880 / 595	880 / 695	1010 / 800	
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Vulkollan	Vulkollan	Vulkollan	
	3.2	Front wheel dimensions	mm	Ø 250 X 80	Ø 250 X 80	Ø 250 X 80	
	3.3	Rear wheel dimensions	mm	Ø 150 X 100	Ø 150 X 100	Ø 150 X 100	
	3.5	Wheels: number front/rear (x=driven wheels)		1x / 2	1x / 2	1x / 2	
	3.6	Front tread	b10 (mm)	0	0	0	
Overall dimensions	3.7	Rear tread	b11 (mm)	768	768	768	
	4.2	Height, mast lowered	h1 (mm)	1470	1470	2200	
	4.4	Lift	h3 (mm)	965	965	1700	
	4.5	height, mast extended	h4 (mm)	2290	2290	3023	
	4.7	Height of overhead guard	h6 (mm)	-	-	2250	
	4.8	Seat height / stand height	h7 (mm)	200	200	200	
	4.11	Additional lift	h9 (mm)	-	740	-	
	4.14	Height of elevated platform	h12 (mm)	1165	1165	1900	
	4.14.1	Picking height (h12 +1600 mm)	h28 (mm)	2765	2765	3500	
	4.15	Lowered fork height	h13 (mm)	85	85	85	
	4.19	Overall length	l1 (mm)	2465 / 2865	2555 / 2955	2465 / 2865	
	4.20	Length to face of forks	l2 (mm)	1665	1755	1665	
	4.21	Overall width	b1 /b2(mm)	880	880	880	
	Performance	4.22	Fork dimensions	s/e/l (mm)	60 / 120 / 800 / 1200	60 / 120 / 800 / 1200	60 / 120 / 800 / 1200
4.23		Fork carriage DIN 15173, Class/type, A/B		Welded forks	Welded forks	Welded forks	
4.24		Fork carriage plate width	b3 (mm)		640 / 560	640 / 560	
4.25		Distance between fork-arms	b5 (mm)	640 / 560	640 / 560	640 / 560	
4.27		Width on guide rolls	b6 (mm)	1280 / 1080	1280 / 1080	1280 / 1080	
4.31		Ground clearance, laden, below mast	m1 (mm)	30	30	30	
4.32		Ground clearance, centre of wheelbase	m2 (mm)	30	30	30	
4.33		Aisle width for pallets 800 x 1200 (l6 x b12)	Ast (mm)	1380	1380	1380	
4.34		Aisle width for pallets 800 x 1200 (b12 x l6)	Ast (mm)	1080	1080	1080	
4.35		Turning circle	Wa (mm)	1530	1620	1530	
4.42		Track change aisle for pallets 800 x 1200 (b12 x l6)	Au (mm)	2840 / 3120	2930 / 3210	2840 / 3120	
Electric motor		5.1	Travel speed (laden/unladen)	km/h	9.0 ⁽¹⁾	9.0 ⁽¹⁾	9.0 ⁽¹⁾
		5.2	Lifting speed (laden/unladen)	m/s	0.10 / 0.15	0.10 / 0.15	0.10 / 0.15
		5.3	Lowering speed (laden/unladen)	m/s	0.25 / 0.24	0.25 / 0.24	0.25 / 0.24
	5.9	Acceleration time, laden/unladen	s	7.8 / 6.5	7.8 / 6.5	7.8 / 6.5	
	5.10	Service brake		Electric	Electric	Electric	
	Other	6.1	Drive motor, rating KB 60'	kW	2.1	2.1	2.1
6.2		Lift motor, rating 15% ED	kW	2	2	3	
6.3		Battery acc. IEC 254 – 2; A, B, C, no		IEC 254-2; A	IEC 254-2; A	IEC 254-2; A	
6.4		Voltage / nominal capacity	V / Ah	24 / 440 L (560 L)	24 / 440 L (560 L)	24 / 440 L (560 L)	
6.5		Battery weight (± 5%)	kg	380 (510)	380 (510)	380 (510)	
6.6		Energy consumption acc. to VDI cycle	kWh/h	2	2	2	
Other	8.1	Drive type		MOSFET	MOSFET	MOSFET	
	8.4	Sound level at the driver's ear	dB (A)	< 69.8	< 69.8	< 69.8	

(1) Speed according to EN 1726-2

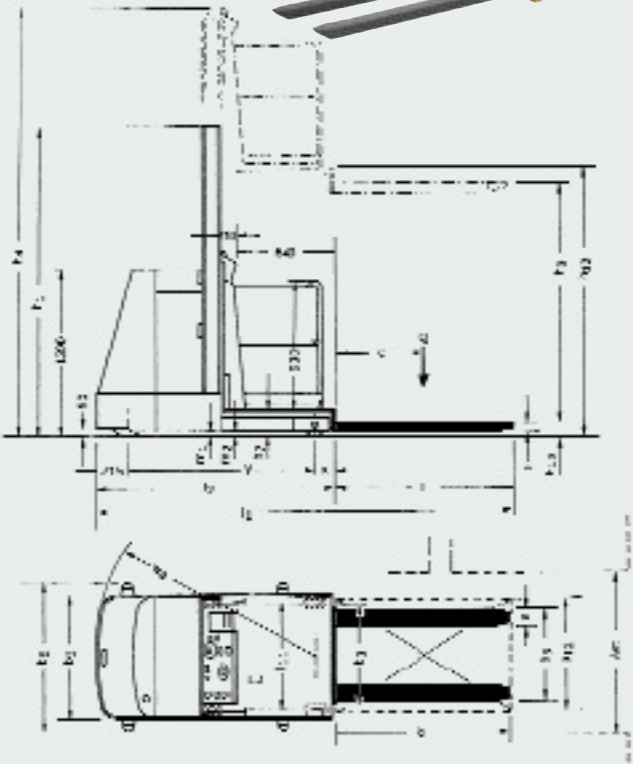
XOP 1-1



XOP 1-2



XOP 1-3



XOP 1-4

