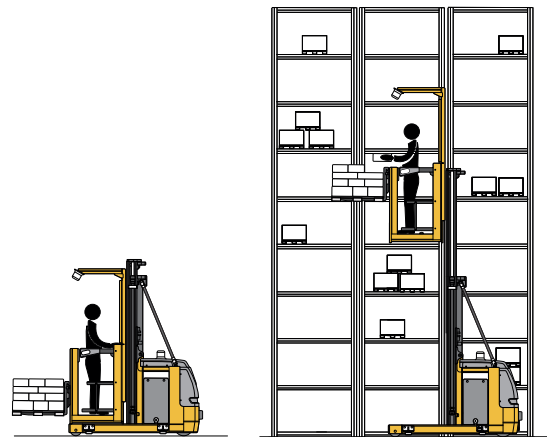


## **Powerful and manoeuvrable high level vertical order picker. Ideal for picking operations on free or guided aisles**



The 903 ac vertical order pickers are ideal for applications on free or guided aisles, for medium and high level order picking. The 2.6 kW traction motor, the 4 kW lift motor and the electronic control ensure high manoeuvrability, providing the right amount of power for any type of application, even for the most intensive ones. The standard 24 V version, the comfortable operator compartment with guard and the intermediate fork lifting function ensure efficient order picking at high levels of up to 6,600 mm. The use of ac technology ensures high performance at reduced maintenance costs.

### **Operator's compartment**

The spacious cabin is designed for upright operation and sized to render all movements easy. All controls can be actuated from a multifunction ergonomic joystick suitably positioned for right-handed operation while the steering is ideal for left-handed operation. By opening the lateral doors you will also cause the feet guards to open upwards, allowing to operator to climb on and off the truck, without facing any obstacles. The base lights installed inside the cabin facilitate the reading of the picking orders, even on aisles with poor lighting.

### **Mast**

Two-stage masts made of cold drawn profiles, for resistance to bending and twisting. The lift cylinders are installed outside of the mast profile and

the chains are protected to ensure perfect visibility and maximum safety.

### **Hydraulic system**

Powerful and silent lift motor fitted with electronic control able to adjust the number of revolutions of the pump, providing the appropriate amount of oil every time. All hydraulic functions are controlled by proportional solenoid valves for precise and safe load handling. Controlled cabin lifting and lowering so as to ensure smooth movement, improving the operating comfort (the relative parameters can be adjusted from the control panel).

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## Guidance system on forks side (optional)

Driving controls positioned in front of the load



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## Additional forks lifting

The cabin comes as standard with a built-in fork lifting system operated by buttons installed on the load side and controlled by a dedicated hydraulic motor. This way, the loading unit can be placed at optimal height every time, limiting operator fatigue. The tilting forks allow picking pallets or containers from the ground both transversally and longitudinally.



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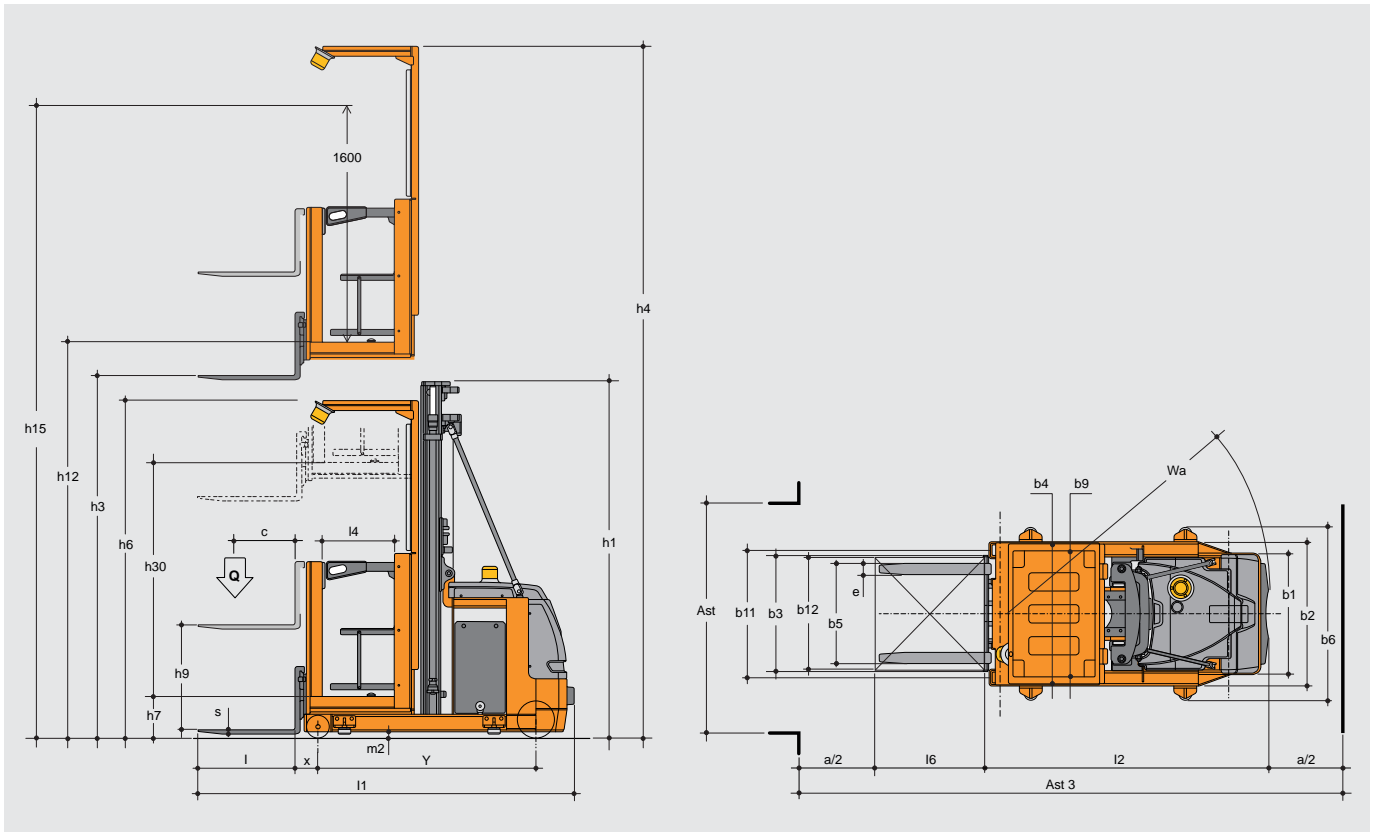
## New Display

The new display, connected via CAN-BUS to the truck's logic system shows information concerning not only the status of the truck, but also the status of the traction control, pump control, steering control and all of the other modules connected via the same network. You can view and configure the modules in the CAN-BUS system by connecting the control panel to the display.

## Multifunction Monojoystick

All controls (hydraulic and drive) are gathered into one multifunction ergonomic mono joystick.





### Standard masts

Description		Lowered mast height	Raised platform height	Picking height	Forks lifting stroke	Lowered mast height
		h <sub>1</sub>	h <sub>12</sub>	h <sub>15</sub>	h <sub>3</sub>	h <sub>4</sub>
Duplex	mm	2,320	3,500	5,100	3,320	5,510
Duplex	mm	2,585	4,000	5,600	3,830	6,035
Duplex	mm	2,850	4,500	6,100	4,340	6,560
Duplex	mm	3,100	5,000	6,600	4,820	7,010

### Accessories and special features

servo-assisted electric steering	<input type="checkbox"/>	magnet for automatic slowdown and stop at end of stroke	<input type="checkbox"/>
steering wheel position indicator	<input type="checkbox"/>	lighting system inside the cabin	<input type="checkbox"/>
lateral battery extraction system	<input type="checkbox"/>	headlights for loads picking	<input type="checkbox"/>
simple and double battery extraction roller with wheels	<input type="checkbox"/>	diagonal travel	<input type="checkbox"/>
lateral guide rollers	<input type="checkbox"/>	stop lifting device on overhead guard	<input type="checkbox"/>
capacity 800 Kg load centre of gravity 400 mm	<input type="checkbox"/>	electronic speed control	<input type="checkbox"/>
capacity 1,000 Kg load centre of gravity 400 mm	<input type="checkbox"/>	electromagnetic parking brake	<input type="checkbox"/>
capacity 1,000 Kg load centre of gravity 600 mm (L <sub>2</sub> + 280 mm)	<input type="checkbox"/>	voltmeter-timer, auto-lock function when 80% of the battery capacity is discharged	<input type="checkbox"/>
guidance and controls on forks side	<input type="checkbox"/>	electronic braking system	<input type="checkbox"/>
guide wire system 6.25 kHz +/- 30 Hz	<input type="checkbox"/>	access keypad with pin code	<input type="checkbox"/>
frequency generator for 1,200 m of wire / 6.25 kHz	<input type="checkbox"/>	walk-on setup	<input type="checkbox"/>

standard



optional



Characteristics	1.1	Manufacturer		OMG S.r.l. Single member company		
	1.2	Model		903 ac		
	1.3	Operation		electrical		
	1.4	Operator position		order picking		
	1.5	Capacity		0.6 - 0.8 - 1.0	1.0	
	1.6	Load centre of gravity	c	mm	400	600
	1.8	Load distance	x	mm	140	
	1.9	Wheel centre distance	y	mm	1,490	1,680
	Weights	2.1	Truck weight incl. battery (see line 6.5)		kg	2,305
2.2		Weight on axis with front / rear load		kg	812 / 2,554	
2.3		Weight on axis without front / rear load		kg	1,238 / 1,064	
Wheels Frame	3.1	Wheels and tyres		polyurethane		
	3.2	Front wheel size		mm	256	
	3.3	Rear wheels size		mm	150	
	3.5	Number of front / rear wheels (x = drive)		no.	1x / 2	
	3.6	Front track	b10	mm	840	
	3.7	Rear track	b11	mm	/	
	Base dimensions	4.2	Lowered mast height	h1	mm	3,090
4.4		Forks lifting stroke	h3	mm	/	
4.5		Extended mast height	h4	mm	7,020	
4.7		Upper edge overhead guard height (cabin)	h6	mm	2,400	
4.8		Seat height / Platform height	h7	mm	300	
4.11		Additional lifting	h9	mm	700	
4.14		Raised platform height	h12	mm	5,000	
4.16		Platform length	l3	mm		
4.19		Overall length	l1	mm	2,610	3,251
4.20		Length including forks heel	l2	mm	1,820	2,101
4.21		Overall width	b1/b2	mm	800 / 950	
4.22		Forks size	s/e/l	mm	30 / 100 / 790	30 / 100 / 1,150
4.24		Forks support plate width	b3	mm	750 - Fem 2A	
4.25		Width over forks	b5	mm	750	
4.26		Forks /transport surface internal gauge	b4	mm	835	
4.27		Width over guide rollers	b6	mm	variable	
4.31		Clearance under the mast	m1	mm		
4.32		Clearance at mid stroke	m2	mm	40	
4.33		Working aisle width with 800 x 1200 transversal pallet	Ast3	mm	3,175	3,175
4.34		Working aisle width with 800 x 1200 longitudinal pallet	Ast	mm	1,150	
4.35		Turning radius	Wa	mm	1,750	1,950
4.40		Picking height (h12 + 1600)	h15	mm	6,600	
4.42		Pallet width	b12	mm	1,200	
4.43		Pallet length	l6	mm	800	
4.44		Operator station width	b9	mm	860	
4.45		Operator station height	h30	mm	1,956	
4.46		Cabin width	l4	mm	500	
		Platform length / height / width		mm	857/1,956/500	
Performance	5.1	Speed with / without load		km/h	8.0 / 8.2	
	5.2	Lifting speed with / without load		m/s	0.19 / 0.23	
	5.3	Lowering speed with/without load		m/s	0.33 / 0.25	
	5.10	Service brake			reverse	
	5.11	Parking brake			Electromagnetic	
	Electric motors	6.1	Traction motor, 60 min performance with S2		kW	2.6
6.2		Lift motor, 15% performance with S3		kW	4	
		Lift motor, power S3 5%		kW		
6.3		Battery as per DIN 43531 / 35 / 36 A, B, C, no			DIN	
6.4		K5 battery voltage, nominal capacity		V/Ah	24 / 460 - 500*	
6.5		Battery weight		kg	360	
Miscellaneous	8.1	Type of electronic system			AC inverter	
	8.4	Noise threshold as per EN 12 053		dB(A)	< 70	
	8.6	Electric			steering	
* optional						

Technical data sheet referring to pallet truck in standard version; data determined in compliance with VDI 2198. These values may differ if your product is fitted with other types of wheels and tires, supports and accessories. All data and images herein are indicative, OMG S.r.l. Single member company reserves the right to modify the documentation without prior notice.