

Our series of electric pallet trucks offers excellent performance, low power consumption and operating comfort even in small spaces



The OMG electric low lift walk behind pallet trucks series 316 KN ac and 320 KN ac can meet even the most diverse requirements with respect to loads handling on horizontal paths; ideal for use inside warehouses or for loading and unloading lorries and trailers. This is why the OMG pallet trucks have been designed and constructed to guarantee sturdiness, power and manoeuvrability in small spaces.

Electronic system

The entire range of OMG low lift pallet trucks is equipped with ac electronic devices that can operate in high temperature conditions, without any truck stops. The controls are equipped with anti roll-back devices which control and check all machine functions and allow unlimited adjustments for performance optimisation, adapting the truck to the operation to be carried out. All electric drive and braking parameters can be set electronically from a control panel, according to customer's requirements. All models are equipped with timer and battery level indicator with auto-lock function that switches on once 80% of the battery capacity is discharged.

Drive

Powerful and reliable three-phase ac traction motors, able to satisfy even the most demanding requests for performance, providing the necessary amount of power every time, as the speed of the truck can be adjusted by changing the position of the throttle.

Braking system

There are three braking systems in this range:

- braking by reversing the running direction and releasing the throttle (service braking that can be adjusted from the control panel);
- emergency braking that takes place automatically if the tiller is suddenly released or lowered (electromagnetic brake);
- parking brake.

Frame

Made of bended sheet metal to minimise any tensions induced by welds, ensuring maximum mechanical resistance over time. The battery compartment can be easily opened by lifting the cover, simplifying the daily and periodical battery recharge and check operations. Particular attention has been paid to provide easy access to wear parts, minimising therefore the routine maintenance costs. The forks are made of high strength steel. The frame has been painted using cutting edge equipment.



Tiller

Result of a meticulous ergonomic study that combines operating comfort with modern industrial design. The tiller is fitted with easy to reach controls, ensuring enhanced productivity, precision and efficiency. When released, the tiller returns smoothly to its vertical position thanks to the gas spring fitted with slowdown limit switch.

- tiller head made of ABS with steel core, able to absorb heavy impact without deformation;
- push-buttons located on both sides of the tiller for lifting and lowering the forks;
- acoustic warning button in the centre of the tiller head;
- active safety system with suitably positioned anti-crush device



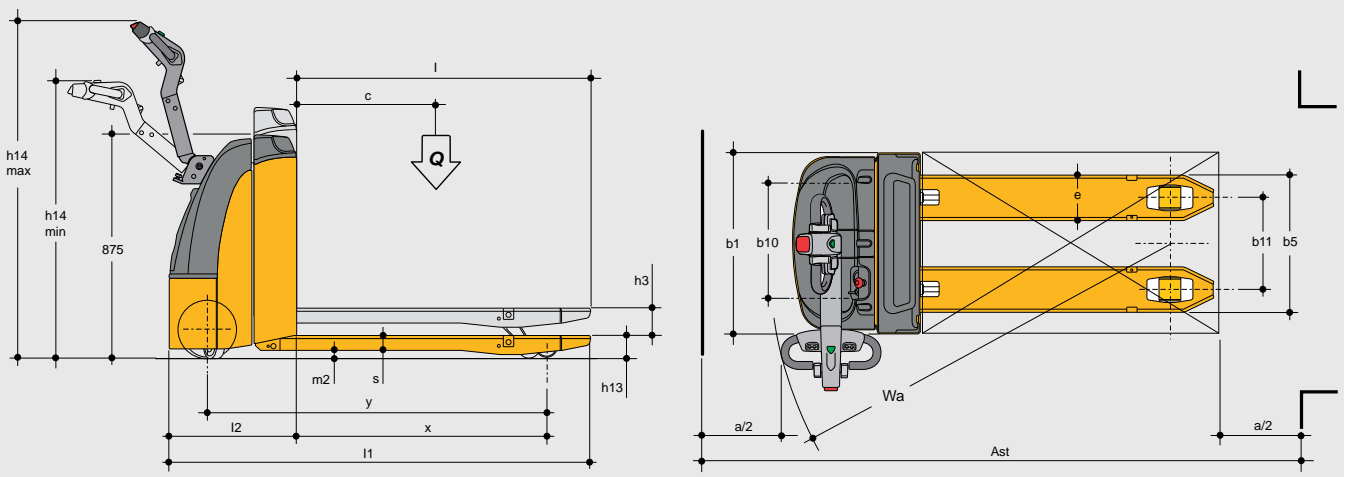
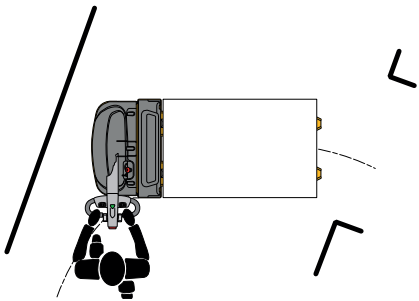
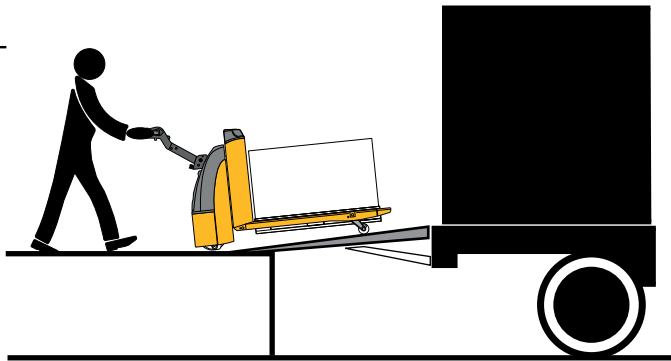
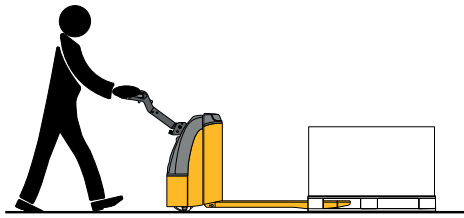
Lateral battery extraction (optional)

The high-capacity battery (24V 250Ah, optional) ensures good autonomy and is also available with optional lateral extraction system for quick battery replacement, suitable for intensive use of the machine.



Accessories and special features

single front roller	■	central battery recharger	■
double front roller	■	electronic braking system	■
width over forks 540 mm	■	anti roll-back device	■
width over forks 670 mm	■	electronic speed control	■
supertrack drive wheel	■	polyurethane drive wheel	■
polyurethane drive wheel	■	electromagnetic parking brake	■
push-button for low speed operation with tiller raised enabling signal	■	protection for cold store	■
lateral battery extraction system	■	24V 25A current rectifier on-board	■
simple battery extraction roller conveyor	■	voltmeter-timer, autom. lock function when 80% of the battery capacity is discharged	■
access keypad with pin code	■	24V 230Ah and 24V 250Ah (320 KN ac) traction batteries	■
		standard ■	optional ■



Characteristics	1.1	Manufacturer			OMG S.r.l. Single member company			
	1.2	Model			316 KN ac		320 KN ac	
		Execution						
	1.3	Operation			E		E	
	1.4	Operator position			at ground level		at ground level	
	1.5	Capacity	Q	t	1.6		2.0	
	1.6	Load centre of gravity	c	mm	600	500	600	500
	1.8	Load distance	x	mm	980	810	980	810
	1.9	Wheel centre distance	y	mm	1,333	1,200	1,396	1,226
Weights	2.1	Truck weight incl. battery (see line 6.5)			kg		426	
	2.2	Weight on axis with front / rear load			kg			
	2.3	Weight on axis without front / rear load			kg			
Wheels Frame	3.1	Wheels and tyres			mm		polyurethane	
	3.2	Front wheels size			mm		230 x 75	
	3.3	Rear wheels size			mm		85 x 90	
	3.4	Stabiliser wheels size			mm		80 x 45	
	3.5	Number of front / rear wheels (x = drive)			no.		(1x +2) / 2	
	3.6	Front track	b ₁₀	mm	489		489	
	3.7	Rear track	b ₁₁	mm	360	490	360	490
Base dimensions	4.4	Forks lifting stroke			h ₃ mm		115	
	4.9	Tiller height in min. /max. driving position			h ₁₄ mm		962 / 1,355	
	4.15	Forks lowered height			h ₁₃ mm		85	
	4.19	Overall length			l ₁ mm		1,650	1,480
	4.20	Length including forks heel			l ₂ mm		500	
	4.21	Overall width			b ₁ mm		710	
	4.22	Forks size			s/e/l mm	60/180/1,150	60/180/980	60/180/1,150
	4.25	Width over forks			b ₅ mm	540	670	540
	4.32	Clearance at mid stroke			m ₂ mm	28		28
	4.33	Working aisle width with 1000 x 1200 transversal pallet			Ast mm		2,012	2,075
	4.34	Working aisle width with 800 x 1200 longitudinal pallet			Ast mm	2,182		2,245
4.35	Turning radius			W _a mm	1,526	1,356	1,589	
Performance	5.1	Speed with / without load			km/h		5.8 / 6.0	5.8 / 6.0
	5.2	Lifting speed with / without load			m/s		0.04 / 0.05	0.04 / 0.05
	5.3	Lowering speed with/without load			m/s		0.26 / 0.16	0.26 / 0.16
	5.8	Max. feasible gradient with / without load			%		8 / 15	8 / 15
	5.10	Service brake					electronic - reverse	electronic - reverse
Electric motors	6.1	Traction motor, 60 min performance with S2			kW		1.2	1.2
	6.2	Lift motor, 15% performance with S3			kW		2	2
	6.3	Battery as per DIN 43531 / 35 / 36 A, B, C, no					no	DIN
	6.4	K5 battery voltage, nominal capacity			V/Ah		24/150	24/180 (250*)
	6.5	Battery weight			kg		150	180
	6.6	Power consumption as per VDI cycle			kW/h			
Miscellaneous	8.1	Type of electronic system					ac	ac
	8.4	Noise threshold as per EN 12 053			dB A		< 70	< 70

* 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.