GET UP AND GROW

Electric
low lift
walk behind pallet truck
316 KN-320 KN ac

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

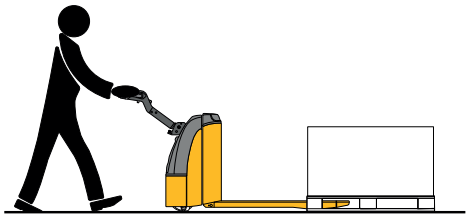
Lateral battery extraction (optional)

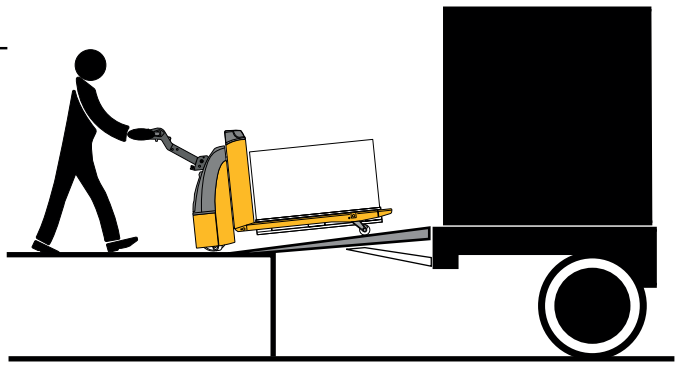
The high-capacity battery (24V 250Ah, optional) ensures good autonomy and is also available with optional lateral extraction system for quick battery replacement, suitable for intensive use of the machine.

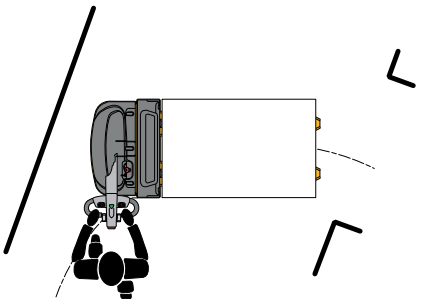
Accessories and special features

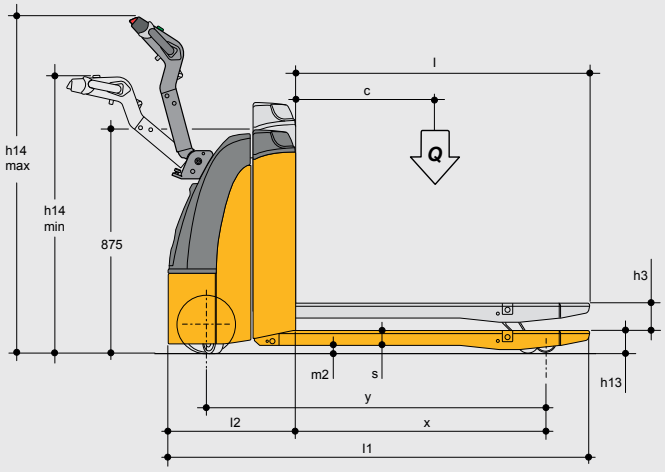
single front roller	■	central battery recharger	□
double front roller	□	electronic braking system	■
width over forks 540 mm	■	anti roll-back device	■
width over forks 670 mm	□	electronic speed control	■
supertrack drive wheel	□	polyurethane drive wheel	■
polyurethane drive wheel	■	electromagnetic parking 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	□

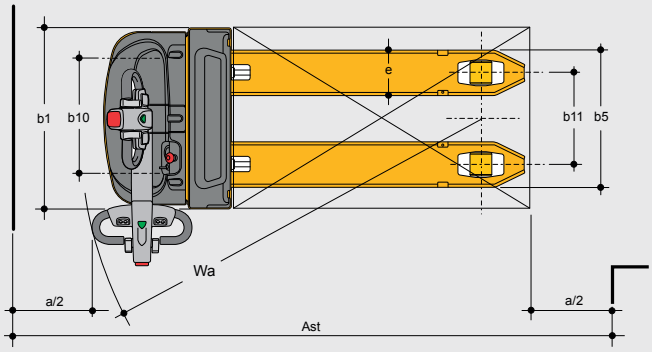
■ standard □ optional











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		462		
	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		polyurethane		
	3.2	Front wheels size		mm	230 x 75		230 x 75		
	3.3	Rear wheels size		mm	85 x 90		85 x 90		
	3.4	Stabiliser wheels size		mm	80 x 45		80 x 45		
	3.5	Number of front / rear wheels (x = drive)		no.	(1x +2) / 2		(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		115		
	4.9	Tiller height in min. /max. driving position	h_{14}	mm	962 / 1,355		962 / 1,355		
	4.15	Forks lowered height	h_{13}	mm	85		85		
	4.19	Overall length	l_1	mm	1,650	1,480	1,714	1,544	
	4.20	Length including forks heel	l_2	mm	500		564		
	4.21	Overall width	b_1	mm	710		710		
	4.22	Forks size	s/e/l	mm	60/180/1,150	60/180/980	60/180/1,150	60/180/980	
	4.25	Width over forks	b_5	mm	540	670	540	670	
	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	1,419	
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.

GET UP AND GROW

OMG S.r.l. Single member company
Registered office:
Via Johann Strauss, 42 - 20831 Seregno (MB)

Production site and head office:
P.S. Pascoletto, 3 - 46023 Gonzaga (MN) Italy
Tel. +39 0376 526011 Fax +39 0376 588008
www.omgindustry.com - info@omgindustry.com