

The ideal electric pallet truck for light-duty applications



The OMG 313 KN ac electric pallet trucks are efficient and ideal for light-duty applications. Compact, lightweight and easy to handle, designed to be used in small spaces and even inside lorries. The standard low speed function allows you to transport the goods safely, with the tiller raised. The low profile of these pallet trucks is highly appreciated especially in tighter spaces, as it allows an excellent view of the tips of the forks, even for short stature operators. Built-in battery charger with paralleling device installation option for charging batteries inside the lorry (optional).

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.

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 this truck can be adjusted by changing the position of the throttle.

Braking system

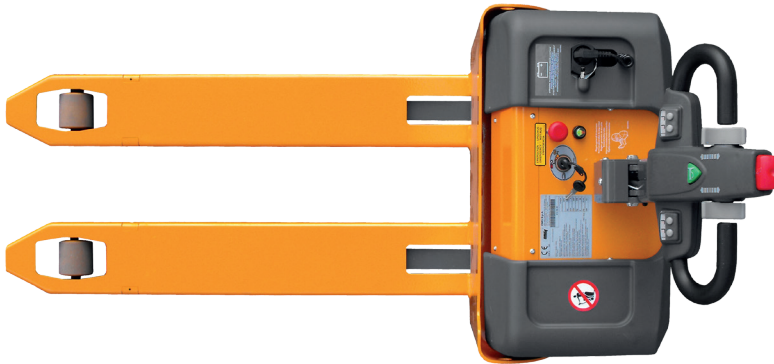
There are three braking systems in this range:

- 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.

Tiller

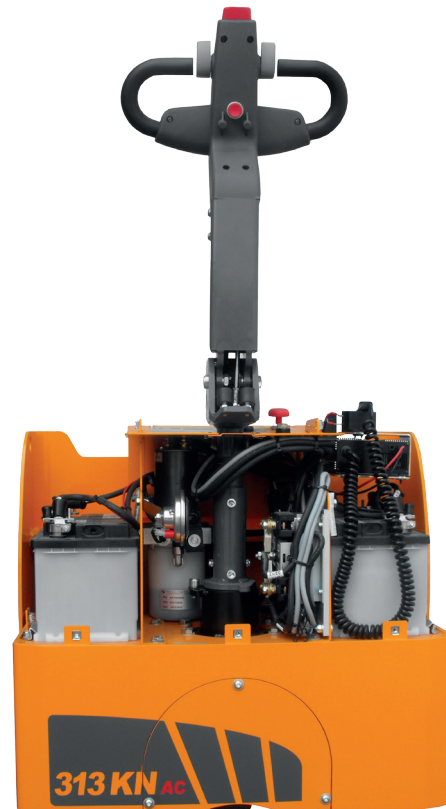
Result of a meticulous ergonomic study that combines operating comfort with modern industrial design. The tiller is fitted with easy to reach controls, ensuring enhanced productivity, precision and efficiency. When released, the tiller returns smoothly to its vertical position thanks to the gas spring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

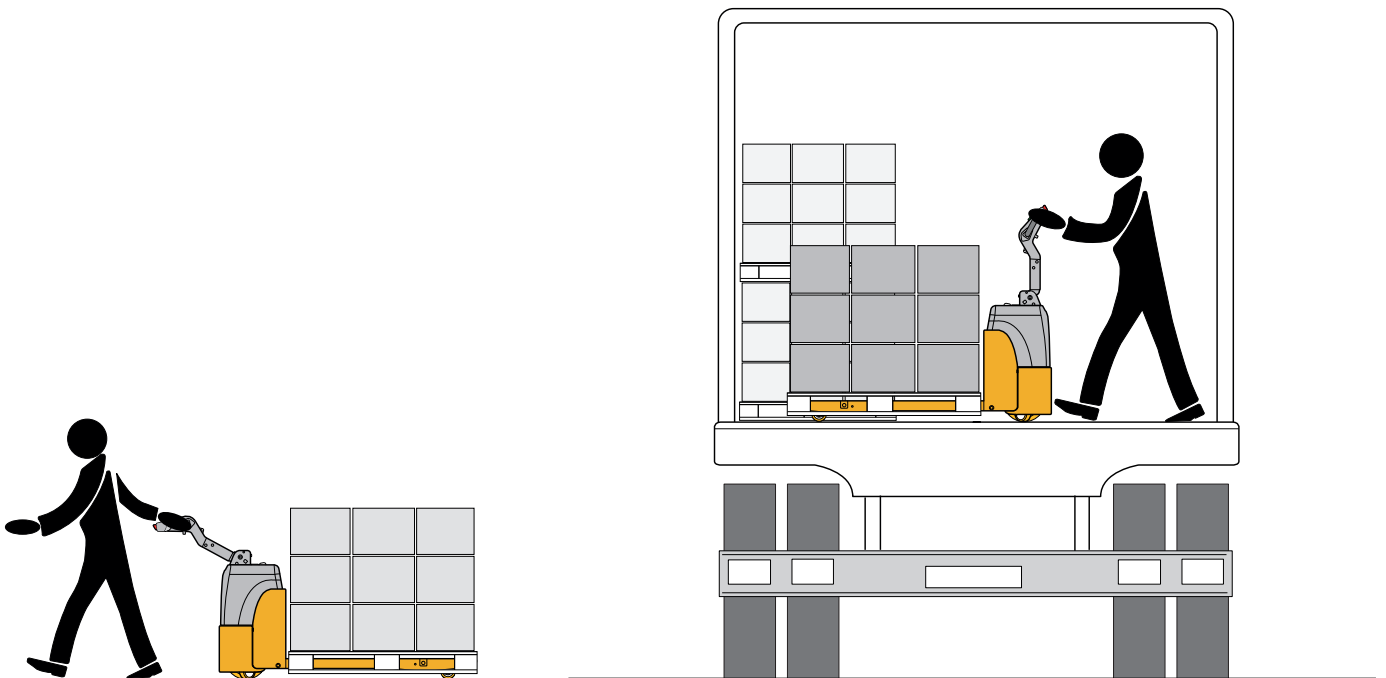
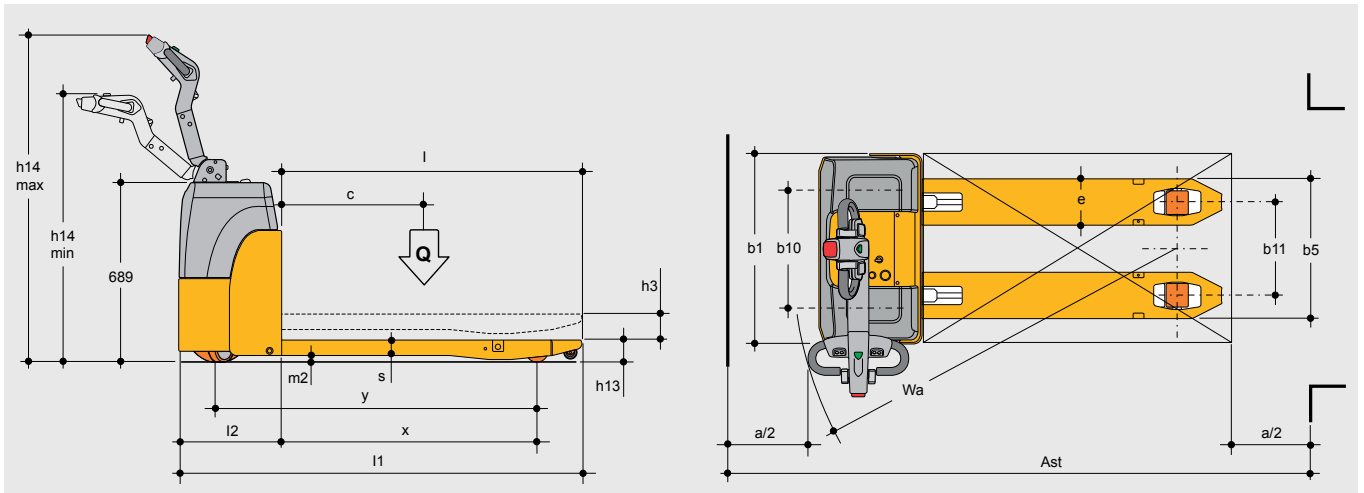
- tiller head made of ABS with steel core, able to absorb heavy impact without deformation;
- push-buttons located on both sides of the tiller for lifting and lowering the forks;
- acoustic warning button in the centre of the tiller head;
- active safety system with suitably positioned anti-crush device;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



Battery and rectifier

The pallet truck comes with two 12V 85Ah semi-traction batteries and a 24V 10A high frequency rectifier on-board. The low speed button is useful in smaller spaces (inside lorries for example); the tiller will be in vertical position when this button is pressed. Easy maintenance.





Accessories and special features

- single front roller
- double front roller
- width over forks 540 mm
- anti-trace rubber drive wheel
- supertrack drive wheel
- polyurethane drive wheel
- push-button for low speed operation with tiller raised enabling signal

- electronic braking system
- anti roll-back device
- electronic speed control
- electromagnetic parking brake
- 24V 10A current rectifier on-board
- paralleling device

standard



optional



Characteristics	1.1	Manufacturer			OMG S.r.l. Single member company
	1.2	Model			313 KN ac
		Execution			
	1.3	Operation			E
	1.4	Operator position			at ground level
	1.5	Capacity	Q	t	1.3
	1.6	Load centre of gravity	c	mm	600
	1.8	Load distance	x	mm	980
	1.9	Wheel centre distance	y	mm	1,220
Weights	2.1	Truck weight incl. battery (see line 6.5)			kg 270
	2.2	Weight on axis with front / rear load			kg 470 / 1,096
	2.3	Weight on axis without front / rear load			kg 232 / 52
Wheels Frame	3.1	Wheels and tyres			mm polyurethane
	3.2	Front wheels size			mm 245
	3.3	Rear wheels size			mm 85
	3.4	Stabiliser wheels size			mm 100
	3.5	Number of front / rear wheels (x = drive)			no. (1x +2) / 2
	3.6	Front track	b10	mm	487
	3.7	Rear track	b11	mm	360
Base dimensions	4.4	Forks lifting stroke	h3	mm	120
	4.9	Tiller height in min. /max. driving position	h14	mm	950 / 1,275
	4.15	Forks lowered height	h13	mm	85
	4.19	Overall length	l1	mm	1,544
	4.20	Length including forks heel	l2	mm	394
	4.21	Overall width	b1	mm	730
	4.22	Forks size	s/e/l	mm	60/180/1,150
	4.25	Width over forks	b5	mm	540
	4.32	Clearance at mid stroke	m2	mm	25
	4.33	Working aisle width with 1000 x 1200 transversal pallet	Ast	mm	
	4.34	Working aisle width with 800 x 1200 longitudinal pallet	Ast	mm	1,744
4.35	Turning radius	Wa	mm	1,480	
Performance	5.1	Speed with / without load			km/h 5 / 5.8
	5.2	Lifting speed with / without load			m/s 0.05 / 0.06
	5.3	Lowering speed with/without load			m/s 0.26 / 0.06
	5.8	Max. feasible gradient with / without load			% 10 / 20
	5.10	Service brake			Electromagnetic
Electric motors	6.1	Traction motor, 60 min performance with S2			kW 0.7
	6.2	Lift motor, 15% performance with S3			kW 0.5
	6.3	Battery as per DIN 43531 / 35 / 36 A, B, C, no			no
	6.4	K5 battery voltage, nominal capacity			V/Ah 2x12V / 85A
	6.5	Battery weight			kg 44
	6.6	Power consumption as per VDI cycle			kW/h
Miscellaneous	8.1	Type of electronic system			ac
	8.4	Noise threshold as per EN 12 053			dB(A) < 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.