

## Efficient, flexible and reliable ride-on electric tow tractors



The 620 PF-T ac and 620 PM-T ac are part of the new series of ride-on tractors with or without rising operator platform, manufactured by OMG for intensive, flexible and efficient use. With towing capacity of up to 3.0 t and possibility to install various types of hooks, the OMG tractors can adapt to any type of application.

Not only high performance, but also care for the operator: comfortable controls positioning and maximum safety for minimum operator fatigue.

### Electronic system

The entire range of 620 PF-T and 620 PM-T tractors is equipped with ac electronic devices that can operate in high temperature conditions, without any tractor 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 and within the limits set by the standards in force.

### Drive

Powerful and reliable sensorless 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, with energy recovery (service brake);
- automatic emergency braking when the dead man's pedal is released;
- parking brake.

### Frame

Made of bended sheet metal to minimise any tensions induced by welds, ensuring best mechanical resistance under any conditions. Lateral extraction battery system for simple and efficient battery extraction, particularly useful in case of intensive use, throughout multiple work shifts. All casings are made of polyethylene and are extremely resistant to collisions, scratching and corrosion.

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## Comfortable operator's station

The central operator workstation located inside the chassis protects the operator while offering him excellent visibility. Cushioned operator platform with dead man's pedal. The operator can climb on and off the truck easily, without effort, thanks to the low step height (170 mm). All machine functions are suitably positioned and easy to reach without releasing the joystick for easy and comfortable driving of the tractor. By lightly steering the joystick at just 80°, you will obtain an 180° turn of the drive wheel. No jolts, especially when taking curves.



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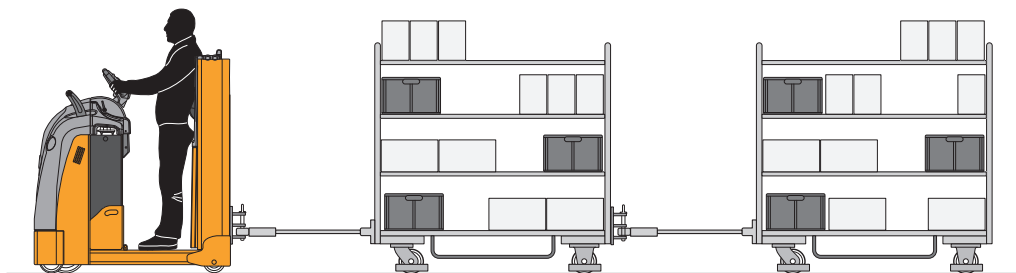
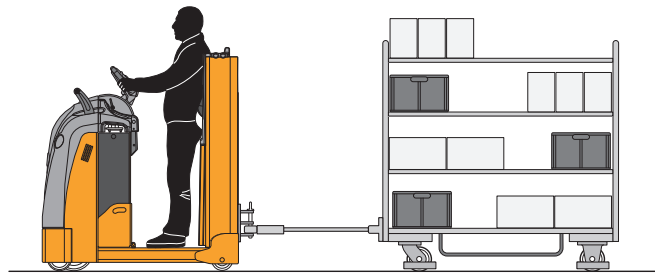
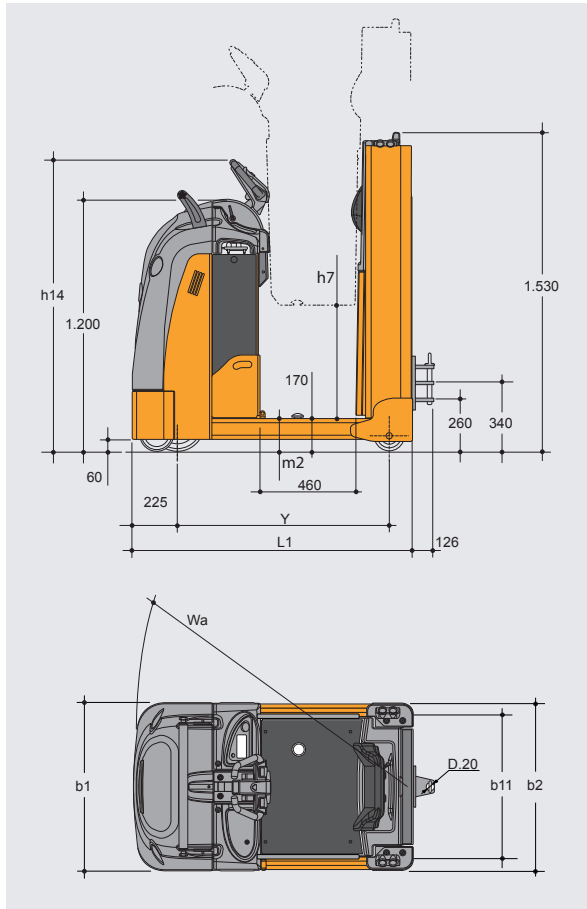
The combined lift of the control column operator platform up to 1,200 mm from the ground (model 620 PM-T ac) allows reaching a picking height of up to 2,800 mm. Electronically controlled platform lifting to avoid any jolts.



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The buttons for slow forward/reverse, backing (optional), are located on both sides of the backrest and are useful for carrying out horizontal movements without climbing back inside the machine.





Characteristics	1.1	Manufacturer		OMG S.r.l. Single member company		
	1.2	Model		620 PF-T ac	620 PM-T ac	
	1.3	Operation		electrical		
	1.4	Operator position		order picking		
	1.5	Capacity	Q	t	3.0	
	1.7	Hook stress per hour		daN	250	
	1.9	Wheel centre distance	y	mm	1,018	
Weights	2.1	Truck weight incl. battery (see line 6.5)		kg	1,070	
	2.3	Weight on axis without front / rear load		kg	850 / 220	
Wheels Frame	3.1	Wheels and tyres		polyurethane		
	3.2	Front wheel size		mm	245 - 125	
	3.3	Rear wheels size		mm	150 x 80	
	3.4	Stabiliser wheels size		mm	150	
	3.5	Number of front / rear wheels (x = drive)			2 - 1x / 4	
	3.7	Rear track	b11	mm	696	
Base dimensions	4.8	Seat height / Platform height	h7	mm	1,200	
	4.9	Tiller height in min. /max. driving position	h14	mm	1,330	
	4.19	Overall length	l1	mm	1,496 **	
	4.20	Length including forks heel	l2	mm	1,355	
	4.21	Overall width	b1/b2	mm	804 / 808	
	4.32	Clearance at mid stroke	m2	mm	20	
	4.35	Turning radius	Wa	mm	1,260	
Performance	5.1	Speed with / without load		km/h	7 / 12	
	5.5	Hook stress with / without load		N		
	5.6	Max hook stress with / without load		daN	400	
	5.10	Service 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	/	2
	6.3	Battery as per DIN 43534 / 35 / 36 A, B, C, no				
	6.4	K5 battery voltage, nominal capacity		V/Ah	24 / 375 - 465*	
	6.5	Battery weight		kg	300 - 360*	
	6.6	Power consumption as per VDI cycle		kW/h	0.74	
Miscellaneous	8.1	Type of electronic system			ac	
	8.4	Noise threshold as per EN 12 053		dB(A)	< 70	
					* optional	

\*\* L1 varies based on the type of hook installed

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.

#### Accessories and special features

servo-assisted electric steering with joystick	standard	headlights	optional
lateral battery extraction	standard	forward/reverse buttons on backrest (backing)	optional
simple or double battery extraction roller with wheels	optional	electronic speed control	optional
mounting bar for electronic equipment and other accessories	standard	travel speed 12 km/h, automatic slowdown when taking curves	optional
plastic film support for packaging	optional	protection for cold store	optional
A4 document holder	optional	access keypad with pin code	optional
compartment for barcode reader	optional	voltmeter-timer, auto-lock function when 80% of the battery capacity is discharged	optional
electronic equipment power supply setup	optional	electronic braking system	optional
electromagnetic parking brake	standard		

standard  optional 