

## A series of fast, safe, efficient and reliable horizontal order pickers



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The OMG 620 ac horizontal order pickers with fixed platform (PF) or mobile platform (PM) represent the ideal combination between productivity and technical performance. They are an essential tool for high-volume applications, ideal for warehouses where the order picking operations must be safe and fast.

Increasing productivity means providing operators with multifunction, powerful, safe and ergonomic tools. Not only high performance, but also care for the operator: comfortable controls positioning and maximum safety for minimum operator fatigue.

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### Electronic system

The entire range of 620 ac low lift horizontal order pickers 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 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 when the dead man's pedal is released;

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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 order picker. 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 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.



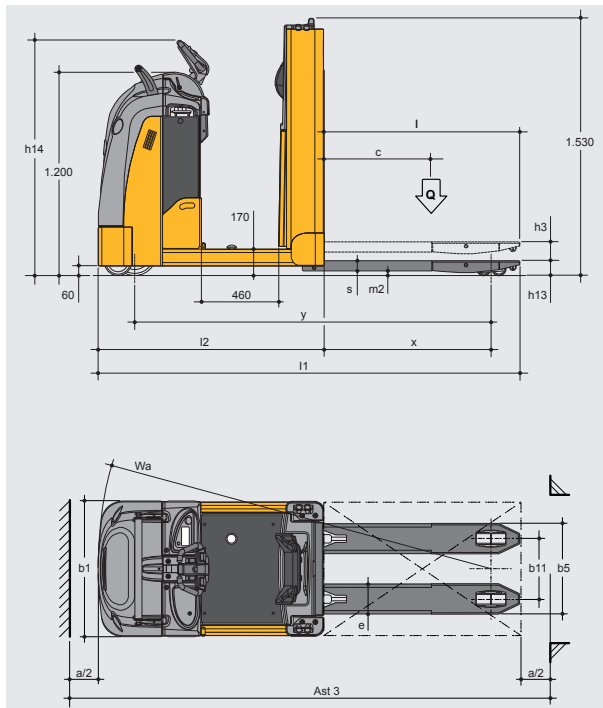
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## Frame

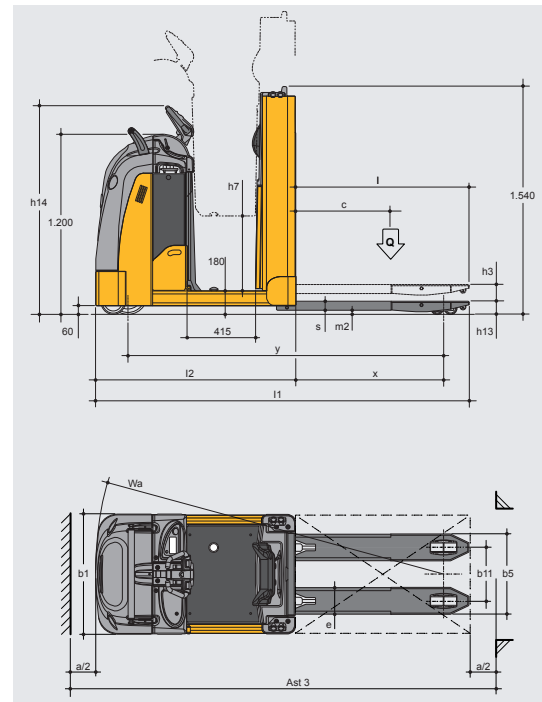
Made of bended sheet metal to minimise any tensions induced by welds, ensuring maximum stability and best mechanical resistance under any conditions. Standard lateral battery extraction system for heavy duty applications throughout multiple work shifts. Independent fork lifting from the operator's station.



## 620 PF ac



## 620 PM ac



### Accessories and special features

servo-assisted electric steering with joystick	standard	electronic speed control	optional
lateral battery extraction	standard	travel speed 12 km/h, automatic slowdown when taking curves	optional
simple and double battery extraction roller with wheels	standard	protection for cold store	optional
mounting bar for electronic equipment and other accessories	standard	capacity 2,500 kg	optional
plastic film support for packaging	standard	forks length between 2,400 mm and 3,600 mm	optional
A4 document holder	standard	special "x" size	optional
compartment for barcode reader	standard	electromagnetic parking brake	optional
electronic equipment power supply setup	standard	voltmeter-timer, auto-lock function when 80% of the battery capacity is discharged	optional
forward/reverse buttons on backrest (backing)	standard	electronic braking system	optional
headlights	standard	access keypad with pin code	optional

standard



optional



Characteristics	1.1	Manufacturer			OMG S.r.l. Single member company		
	1.2	Model			620 PF ac	620 PM ac	
	1.3	Operation			electrical		
	1.4	Operator position			order picking		
	1.5	Capacity	Q	t	2.0		
	1.6	Load centre of gravity	c	t	1,200		
	1.8	Load distance	x	mm	1,750		
	1.9	Wheel centre distance	y	mm	2,875		
	Weights	2.1	Truck weight incl. battery (see line 6.5)			kg	1,160
2.2		Weight on axis with front / rear load			kg	890 / 270	990 / 300
2.3		Weight on axis without front / rear load			kg	1,220 / 1,960	1,300 / 1,990
Wheels Frame	3.1	Wheels and tyres			polyurethane		
	3.2	Front wheel size			mm	245 - 150	
	3.3	Rear wheels size			mm	85	
	3.4	Stabiliser wheels size			mm	150	
	3.5	Number of front / rear wheels (x = drive)			2 - 1x / 4		
	3.6	Front track	b <sub>10</sub>	mm	540		
	3.7	Rear track	b <sub>11</sub>	mm	360		
Base dimensions	4.4	Forks lifting stroke	h <sub>3</sub>	mm	120		
	4.8	Seat height / Platform height	h <sub>7</sub>	mm	1,200		
	4.9	Tiller height in min. /max. driving position	h <sub>14</sub>	mm	1,330		
	4.15	Forks lowered height	h <sub>13</sub>	mm	80		
	4.19	Overall length	l <sub>1</sub>	mm	3,760		
	4.20	Length including forks heel	l <sub>2</sub>	mm	1,355		
	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub>	mm	800		
	4.22	Forks size	s/e/l	mm	60x180x2,400		
	4.25	Width over forks	b <sub>5</sub>	mm	540		
	4.32	Clearance at mid stroke	m <sub>2</sub>	mm	20		
	4.34	Working aisle width with 800 x 1200 transversal pallet	Ast	mm	see table		
Performance	5.1	Speed with / without load			km/h	11 / 12	
	5.2	Lifting speed with / without load			m/s	0.05 / 0.08	
	5.3	Lowering speed with/without load			m/s	0.30 / 0.20	
	5.8	Max. feasible gradient with / without load			%	8 / 10	
	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	2.0	
	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	

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.

	l	Forks jolt	l <sub>1</sub>	y	Wa	x	Ast
mm	1,160	170	2,515	2,120	2,345	990	3,000
mm	1,500	420	2,850	2,195	2,420	1,070	3,265
mm	2,250	650	3,600	2,725	2,950	1,595	4,050
mm	2,400	650	3,750	2,875	3,100	1,750	4,070