

Simple, versatile and manoeuvrable horizontal order picker with mast



The OMG 620 PF-S ac horizontal order pickers with fixed platform, mast and Fem forks are designed to facilitate first and second level orders picking, representing 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.

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 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);
- 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 maximum mechanical resistance over time. Standard lateral battery extraction system for heavy duty applications throughout multiple work shifts. Independent fork lifting from the operator's station.



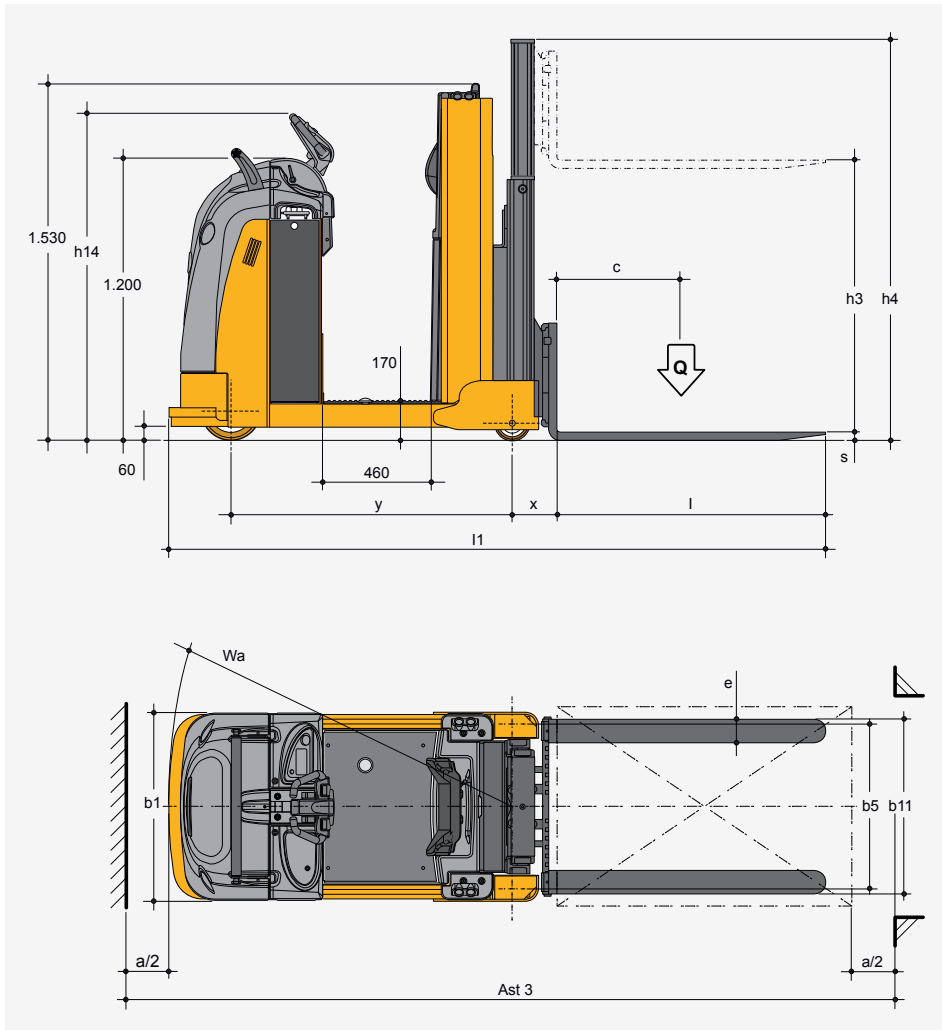
Comfortable operator's station

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. 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. 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. Model 620 PF-S has all the features to ensure highly efficient order picking: fixed platform, load positioned in the vicinity of the operator and a mast with 1000 Kg capacity that can be extended up to a height of 1200 mm.





Accessories and special features

servo-assisted electric steering with joystick

lateral battery extraction

simple and double battery extraction roller with wheels

mounting bar for electronic equipment and other accessories

plastic film support for packaging

A4 document holder

compartment for barcode reader

electronic equipment power supply setup

electronic speed control

forward/reverse buttons on backrest (backing)

protection for cold store

headlights

electromagnetic parking brake

voltmeter-timer, auto-lock function when 80% of the battery capacity is discharged

electronic braking system

access keypad with pin code

standard

optional

Characteristics	1.1	Manufacturer			OMG S.r.l. Single member company	
	1.2	Model			620 PF-S ac	
	1.3	Operation			electrical	
	1.4	Operator position			order picking	
	1.5	Capacity	Q	t	0.8	1.0
	1.6	Load centre of gravity	c	t	600	
	1.8	Load distance	x	mm	190	
	1.9	Wheel centre distance	y	mm	1,204	1,400
	Weights	2.1	Truck weight incl. battery (see line 6.5)			1,630
2.2		Weight on axis with front / rear load			438 / 2,006	450 / 2,200
2.3		Weight on axis without front / rear load			974 / 660	980 / 670
Wheels Frame	3.1	Wheels and tyres			polyurethane	
	3.2	Front wheel size	mm		245 - 150	
	3.3	Rear wheels size	mm		150	
	3.4	Stabiliser wheels size	mm			
	3.5	Number of front / rear wheels (x = drive)			2 - 1x / 4	
	3.6	Front track	b10	mm		
	3.7	Rear track	b11	mm		
Base dimensions	4.4	Forks lifting stroke	h3	mm	1,200	
	4.5	Extended mast height	h4	mm	1,720	
	4.8	Seat height / Platform height	h7	mm		
	4.9	Tiller height in min. /max. driving position	h14	mm	1,330	
	4.15	Forks lowered height	h13	mm	80	
	4.19	Overall length	l1	mm	2,810	3,006
	4.20	Length including forks heel	l2	mm	1,660	1,860
	4.21	Overall width	b1/b2	mm	800	
	4.22	Forks size	s/e/l	mm	100 / 35 / 1,150	
	4.25	Width over forks	b5	mm	747	
	4.32	Clearance at mid stroke	m2	mm	20	
	4.34	Working aisle width with 800 x 1200 transversal pallet	Ast	mm	3,125	3,315
	4.35	Turning radius	Wa	mm	1,445	1,635
Performance	5.1	Speed with / without load			km/h 8 / 9	
	5.2	Lifting speed with / without load			m/s 0.12 / 0.15	
	5.3	Lowering speed with/without load			m/s 0.30 / 0.22	
	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			DIN	
	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.