



Horizontal Order
Picking Truck

620 PF ac 620 PM ac



The new OMG 620 ac series of low-level horizontal order pickers combine productivity with avant-garde technical performance. They are an essential work tool in warehouses with a high volume of goods handling, where efficiency is measured according to fast and safe picking operations. Not only an high level of performances but also a good care to the operator: minimum level of tiredness thanks to easy operating on the controls and the maximum safety.

Electronic system

The entire 620 ac range, horizontal order picking truck is equipped with high frequency electronic ac devices able to work in high temperature conditions (on the control and/or on the motor) without any unit stops. The controls are equipped with anti roll-back devices which check and control all the units functions and allow many adjustments to optimise the units performances, adapting it to the type of work application it has to carry out. All the parameters related to drive, steering and electric braking are electronically adjustable by a programming console in accordance with the customers requirements.

Drive

Reliable sensor less three phase current traction drive motor ac able to meet the most demanding performance requirements, delivering the necessary power under all load conditions as the traction speed exactly depends on the position of the drive throttle.

Braking system

There are three braking systems in the range:

- braking on reversal of direction of travel with energy recovery by regenerative braking (service braking);
- emergency braking which occurs automatically on release of the dead-man pedal;
- parking brake with releasing of the dead man pedal.

Characteristics	1.1	Manufacturer			OMG S.r.l.		
	1.2	Model			620 PF ac	620 PM ac	
	1.3	Drive			electric		
	1.4	Operator type			order picker		
	1.5	Load capacity / rated load	Q	t	2.0		
	1.6	Load centre distance	c	t	1.200		
	1.8	Load distance (centre of load axle to fork face)	x	mm	1.750		
	1.9	Wheelbase	y	mm	2.875		
	Weights	2.1	Service weight incl. battery (see line 6.5)			kg	1.160
2.2		Axle loading, laden front/rear			kg	890 / 270	990 / 300
2.3		Axle loading, unladen front/rear			kg	1.220 / 1.960	1.300 / 1.990
Wheels Chassis	3.1	Tires			polyurethane		
	3.2	Tire size, front		mm	245 - 150		
	3.3	Tire size, rear		mm	85		
	3.4	Additional wheels dimensions		mm	150		
	3.5	Wheels, number front / rear (x = driven wheels)			2 - 1x / 4		
	3.6	Track width, front	b10	mm	540		
	3.7	Track width, rear	b11	mm	360		
Basic dimensions	4.4	Lift height	h3	mm	120		
	4.8	Seat height / platform height	h7	mm	1.200		
	4.9	Height of tiller arm in drive position min. / max.	h14	mm	1.330		
	4.15	Forks lowered height	h13	mm	80		
	4.19	Overall length	l1	mm	3.760		
	4.20	Length to face of forks	l2	mm	1.355		
	4.21	Overall width	b1/b2	mm	800		
	4.22	Forks dimensions	s/e/l	mm	60x180x2.400		
	4.25	Width over forks	b5	mm	540		
	4.32	Ground clearance, centre of wheelbase	m2	mm	20		
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast	mm	see table		
4.35	Turning radius	Wa	mm	see table			
Performances	5.1	Travel speed laden / unladen			km/h	11 / 12	
	5.2	Lifting speed laden / unladen			m/s	0.05 / 0.08	
	5.3	Lowering speed laden / unladen			m/s	0.30 / 0.20	
	5.8	Max gradient performance			%	8 / 10	
	5.10	Service brake			electromagnetic		
Electric Motor	6.1	Traction motor, rating S2 60 min			kW	2.6	
	6.2	Lift motor, rating S3 15%			kW	2.0	
	6.3	Battery according to DIN 43531 / 35 / 36 A, B, C, no					
	6.4	Battery voltage, nominal capacity K5			V/Ah	24 / 375 - 465*	
	6.5	Battery weight			kg	300 - 360*	
	6.6	Energy consumption according to VDI cycle			kW/h	0.74	
Others	8.1	Type of drive control			ac		
	8.4	Sound level at driver's ear according to EN 12 053			dB(A)	< 70	
							* option

Technical specification according to VDI 2198, technical values are referred to the standard product. Different masts, different tires, additional equipment, etc. could produce other values. Information and data are given for information only, OMG S.r.l. will have the sole right for technical changes and improvements without giving any notice.

	l	Forks overhang	l1	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



Comfort driving

The central position of the operator, within the chassis ensure a high level of protection and a wide view visibility. Cushioned comfort operator's platform with dead-man switch. The operator will not suffer a frequent in and out from the unit thanks to the reduced height of the entry step (170 mm only). For an easy and comfortable controlling of the truck the operating functions are easy reachable without moving the hands from the steering. Light steering with only a 80° degree adjustable "cloche" electric servo steering required for a 180° steering direction change. No twisting of the operator body when travelling through curves.

The lifting of the operator's platform and the controls up to 1.200 mm from the ground (model 620 PM ac) allow to reach a picking height of 2.800 mm. Platform lifting is electronically managed in order to avoid jolts.

The forward / reverse "pulse" push button placed on both sides of the back rest, backing (option), will allow the horizontal traction movements for pedestrian operations.



OMG S.r.l.

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