



In the 316 KN-M ac the push buttons positioned in both sides are easily accessible for the operator who can better level the load acting on the lifting and lowering improving and limiting the pathologies related to the skeleton-muscle apparatus.

Steering handle

This is the result of detailed ergonomic study, combining the requirements of operating comfort with modern industrial design. All the controls on the handle are easy to reach, ensuring productivity and precision and so greater efficiency. When released, the handle returns to the vertical position without bumping or rebound, thanks to a gas spring with integrated braking system.

- handle tiller arm made of ABS with steel core able to absorb heavy impact without deformation;
- lifting and lowering of the forks by push buttons positioned on both sides;
- acoustic warning button in central position;
- active safety system with anti-crush device



The OMG 316 KN-C ac combines the traditional function of the powered pallet truck (1.600 Kg capacity) to the possibility of lifting the load (1.000 kg capacity) up to 1.485 mm height from the ground. It can be used for picking and stacking operations. It is ideal to be used in warehouses with reduced distances and spaces and for the safely loading of overlapped loads.



Low lift pallet truck
with initial lift and mast

316 KN-C ac-316 KN-M ac



Electronic system

The entire OMG range of pedestrian low-lift pallet trucks 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 and electric braking are electronically adjustable by a programming console in accordance with the customers requirements. All the models are equipped with hour meter and battery discharge indicator with lifting cut-off at 80% discharge.

Braking system

There are three braking systems in the range:

- braking on reversal of direction of travel (service braking);
- emergency braking which occurs automatically on release or extreme lowering of the steering handle;
- parking brake with steering handle in the vertical position.

Drive

Reliable sensor less three phase current traction drive motors 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.



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Characteristics	1.1	Manufacturer			OMG S.r.l.		
	1.2	Model			316 KN-C ac	316 KN-M ac	
		Execution					
	1.3	Drive			Electric	Electric	
	1.4	Operator type			Pedestrian	Pedestrian	
	1.5	Load capacity / rated load	Q	t			
		Load capacity mast lift	Q	t	1.0	0.8	
		Load capacity initial lift	Q	t	1.0	2.0	
		Load capacity initial lift + mast contemporaneously	Q	t	1.6	1.6	
	1.6	Load centre distance	c	mm	600	600	
1.8	Load distance (centre of load axle to fork face)	x	mm	980	973		
1.9	Wheelbase	y	mm	1.499	1.498		
Weights	2.1	Service weight incl. battery (see line 6.5)			kg	780	635
	2.2	Axle loading, laden front/rear			kg		
	2.3	Axle loading, unladen front/rear			kg		
Wheels Chassis	3.1	Tires		mm	polyurethane	polyurethane	
	3.2	Tire size, front		mm	230 x 75	230 x 75	
	3.3	Tire size, rear		mm	85 x 70	85 x 70	
	3.4	Additional wheels dimensions		mm	80 x 45	80 x 45	
	3.5	Wheels, number front / rear (x = driven wheels)		n°	(1x +2) / 4	(1x +2) / 4	
	3.6	Track width, front	b10	mm	469	469	
	3.7	Track width, rear	b11	mm	380	380	
Basic dimensions	4.2	Mast lowered height		h1	mm	1.198	827
	4.4	Lift		h3	mm	1.400	550
	4.5	Mast extended height		h4	mm	1.900 / 2.010	1.380 / 1.490
	4.6	Initial lift		h5	mm	110	110
	4.9	Height of tiller arm in drive position min. / max.		h14	mm	962 / 1.355	962 / 1.355
	4.15	Forks lowered height		h13	mm	90	90
	4.19	Overall length		l1	mm	1.819	1.823
	4.20	Length to face of forks		l2	mm	669	673
	4.21	Overall width		b1	mm	710	710
	4.22	Forks dimensions		s/e/l	mm	75/180/1.150	75/180/1.150
	4.25	Width over forks		b5	mm	560	560
	4.32	Ground clearance, centre of wheelbase		m2	mm	15	15
	4.33	Aisle width for pallets 1000 x 1200 crossways		Ast	mm		
	4.34	Aisle width for pallets 800 x 1200 lengthways		Ast	mm	2.348	2.348
	4.35	Turning radius		Wa	mm	1.692	1.690
Performances	5.1	Travel speed laden / unladen		km/h	5.8 / 6	5.8 / 6	
	5.2	Lifting speed laden / unladen		m/s	0.10 / 0.15	0.15 / 0.22	
	5.3	Lowering speed laden / unladen		m/s	0.30 / 0.20	0.30 / 0.25	
	5.8	Max gradient performance		%	5 / 10	5 / 10	
	5.10	Service brake			Electromagnetic	Electromagnetic	
Electric Motor	6.1	Traction motor, rating S2 60 min		kW	1.2	1.2	
	6.2	Lift motor, rating S3 15%		kW	2	2	
	6.3	Battery according to DIN 43531 / 35 / 36 A, B, C, no			no	no	
	6.4	Battery voltage, nominal capacity K5		V/Ah	24/150	24/150	
	6.5	Battery weight		kg	150	150	
	6.6	Energy consumption according to VDI cycle		kW/h			
Others	8.1	Type of drive control			ac	ac	
	8.4	Sound level at driver's ear according to EN 12 053		dB(A)	< 70	< 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.p.A. will have the sole right for technical changes and improvements without giving any notice.

Accessories and special executions		
double load wheel	electronic braking	
external forks width 540 mm	anti roll-back system	
supertrack traction wheel	electronic speed control	
polyurethane traction wheel	electromagnetic parking braking	
push button for vertical operation	cold store execution	
pin access keypad	built-in battery charger 24V 25A	
automatic battery refilling	BDI/hourmeter with automatic lifting cut-off at 80% discharge	
standard	option	

