



Rider / Pedestrian  
Pallet Stacker - initial lift of forks

# 716 Pbm ac



#### Chassis

Of folded frame construction to minimise welding-induced stresses, it offers maximum stability and superior mechanical strength under all traction and storage conditions. The configuration with 4 fixed points of support offers unique lateral stability. The high-visibility bolted masts and central positioned steering handle ensure wide visibility during storage, picking and transport operations. The battery compartment is accessed by simply lifting the hinged lid, and the standard battery side extraction facilitating daily and periodical battery checks and recharging. Particular attention has been given to provide easy access to wearing parts in order to minimise routine maintenance costs.

#### Masts

OMG masts are made of cold-drawn sections to ensure torsion and bending rigidity. The lift cylinders are outside the profile of the mast and the chains are in a protected position to provide a perfect visual field and operating safety. They are available in simplex, duplex and triplex full free lift.

#### Hydraulic functions

The powerful and noiseless motor, 3 kW is highly inductive and the torque delivered offers performance with low current absorption. High efficient pump is with low noise level.

The standard mini-joystick (**finger touch**) on tiller arm allows the operation without taking the hands off the steering handle.

#### Drive

Reliable and powerful ac traction motor capable of meeting 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. The standard electric servo steering allows to obtain exact and sensitive driving operations.

#### Electronic system

The machine is equipped with ac controller and energy recover achieved by:

- releasing the drive throttle;
- reversing the direction of travel.

These controls monitor all the machine's functions and allow many adjustments to optimise the performance of the machine, adapting it to the type of work it has to carry out, ensuring low energy consumption and noiseless operation.

Characteristics	1.1	Manufacturer			OMG S.r.l.	
	1.2	Model			<b>716 P ac</b>	
		Execution				
	1.3	Drive			Electric	
	1.4	Operator type			Rider / Pedestrian	
	1.5	Load capacity / rated load	Q	t	1.6	
		Load capacity mast lift	Q	t	1.6	
		Load capacity initial lift	Q	t	1.6	
		Load capacity initial lift + mast contemporaneously	Q	t	0.8 / 0.8	
	1.6	Load centre distance	c	mm	600	
1.8	Load distance (centre of load axle to fork face)	x	mm	692		
1.9	Wheelbase	y	mm	1.425		
Weights	2.1	Service weight incl. battery (see line 6.5)			kg	1.320
	2.2	Axle loading, laden front/rear			kg	1.020 / 1.900
	2.3	Axle loading, unladen front/rear			kg	880 / 440
Wheels Chassis	3.1	Tires				polyurethane
	3.2	Tire size, front			mm	85
	3.3	Tire size, rear			mm	245
	3.4	Additional wheels dimensions			mm	150
	3.5	Wheels, number front / rear (x = driven wheels)			n°	1x + 1 / 4
	3.6	Track width, front	b10	mm		535
	3.7	Track width, rear	b11	mm		380
Basic dimensions	4.2	Mast lowered height	h1	mm		2.360
	4.3	Free lift	h2	mm		1.810
	4.4	Lift height	h3	mm		3.510
	4.5	Mast extended height	h4	mm		4.195
	4.6	Initial lift	h5	mm		110
	4.9	Height of tiller arm in drive position min. / max.	h14	mm		
	4.15	Forks lowered height	h13	mm		90
	4.19	Overall length	l1	mm		2.153 / 2.583
	4.20	Length to face of forks	l2	m		1.003
	4.21	Overall width	b1/ b2	mm		880
	4.22	Forks dimensions	s/e/l	mm		70 / 180 / 1.150
	4.25	Width over forks	b5	mm		560
	4.32	Ground clearance, centre of wheelbase	m2	mm		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		2.710 / 2.990
4.35	Turning radius	Wa	mm		1.865 / 2.145	
Performances	5.1	Travel speed laden / unladen			km/h	8.2 / 8.5
	5.2	Lifting speed laden / unladen			m/s	0.14 / 0.18
	5.3	Lowering speed laden / unladen			m/s	0.38 / 0.30
	5.8	Max gradient performance laden / unladen			%	7 / 15
	5.10	Service brake				Electromagnetical
Electric Motor	6.1	Traction motor, rating S2 60 min			kW	2.6
	6.2	Lift motor, rating S3 15%			kW	3
	6.3	Battery according to DIN 43531 / 35 / 36 A, B, C, no				43531 A
	6.4	Battery voltage, nominal capacity K5			V/Ah	24 / 270 - 345* - 375*
	6.5	Battery weight			kg	230
	6.6	Energy consumption according to VDI cycle			kW/h	1.25
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.

### Accessories and special executions

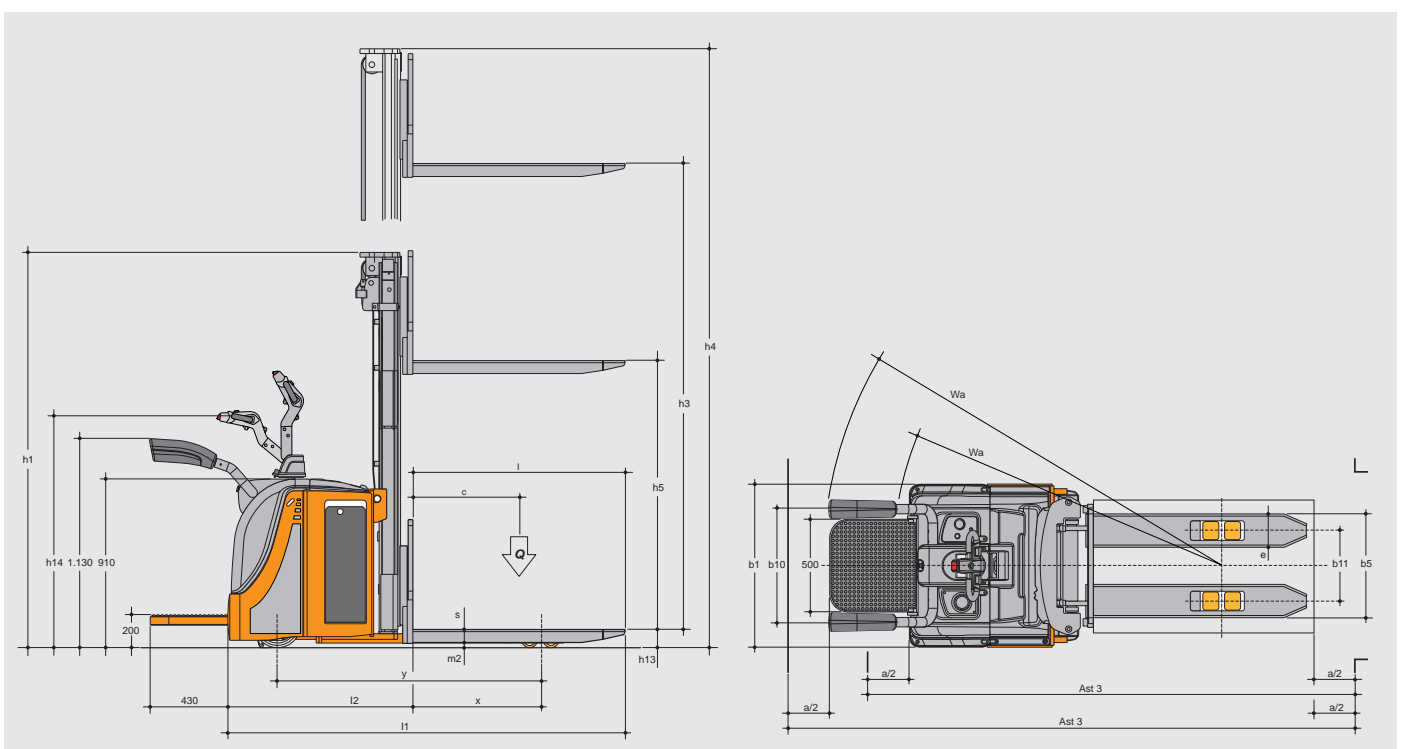
full free lift for duplex masts	■	double battery stand with wheels	■
full free lift for triplex masts	■	pin access key pad	■
cold store execution	■	anti roll-back system	■
supertrack traction wheel	■	electronic speed control	■
polyurethane traction wheel	■	electronic brake system	■
double load wheels	■	parking electromagnetic brake	■
push button for vertical operation	■	BDI with lifting cut-off at 80% discharge, hourmeter	■
electric servo steering	■	Fem II fork holder plate with "L" shape forks	■
battery side extraction	■	lifting / lowering by mini-joystick (finger touch)	■
single battery stand	■	built-in charger 24V 35A	■

standard ■

option ■

Standard masts							716 P ac
Denomination		Mast lowered height	Lift height	Total lift height	Mast extended height	Free lift	Capacity (t)
		h <sub>1</sub>	h <sub>3</sub>	h <sub>3</sub> +h <sub>13</sub>	h <sub>4</sub>	h <sub>2</sub>	(t) c=600 mm
Simplex	mm	2.080	1.560	1.650	2.245	1.560	1.6
Duplex	mm	1.955	2.710	2.800	3.395	1.410*	1.6
	mm	2.105	3.010	3.100	3.695	1.560*	1.45
Triplex FFL	mm	2.360	3.510	3.600	4.195	1.810*	1.25
	mm	1.960	4.110	4.200	4.795	1.410	1.0
	mm	2.110	4.560	4.650	5.245	1.560	0.85
mm	2.360	5.310	5.400	6.000	1.810	0.5	

\* option





The new 716 P ac is equipped with traction battery 24V 375Ah. The side battery extraction facility, standard, is available for the operation on different working shifts.



The configuration with four fixed points of support offers the maximum lateral stability granting the best safety and comfort levels during stacking and picking operations.

The lifting / lowering by mini-joystick (**finger touch**) on tiller arm, ensuring a precise and sensible load lifting and a proportional lowering, allows the operator to handle the load without taking the hands off the tiller arm. Exact and sensitive lifting of the load thanks to the hydraulic motor equipped with a flow regulation system reducing the noise level.

The lifting and lowering speed has been improved allowing faster operations. The assembly of silent-blocks (standard) on the side cylinders avoid any possible rebound during the lowering with/without load which can affect the load stability.



#### Comfortable driving

- The central position of the operator, within the chassis ensures a high level of protection and a wide view visibility.
- Comfort operator's platform with cushioned footrest
- Very strong and robust side arms with soft polyurethane
- Spring lever to easily unlock the side arms and convert from ride-on to pedestrian in few seconds.



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