Pallet stacker
pedestrian controlled

716 K ac - 720 K ac

Chassis
Of folded frame construction to minimize welding-induced stresses, it offers maximum stability and superior mechanical strength under all traction and storage conditions. The configuration with four fixed points of support offers unique lateral stability. With its easy-adjustment system, the pivoting wheel helps maintain excellent grip, offsetting wear on the drive wheel. The high-visibility bolted masts and laterally positioned steering handle ensure wide visibility during storage, picking and transport operations. The battery compartment is accessed by simply lifting the hinged lid, thus facilitating daily and periodical battery checks and recharging. Particular attention has been given to provide easy access to wearing parts in order to minimize 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 with nominal capacities ranging from 1.600 to 2.000 kg.

Hydraulic functions
The 3 kW powerful and noiseless motor is highly inductive and the torque delivered offers performance with low current absorption.

The pumps are very efficient with low noise level. The standard minijoystick on tiller arm allows the operation without taking the hands off the steering handle.

Drive
Reliable and powerful traction motors capable of meeting the most demanding performance requirements, delivering the necessary power under all load conditions as the translation speed exactly depends on the position of the drive throttle.

Electronic system
The machines are 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			**716 K ac**	**720 K ac**
		Execution				
	1.3	Drive			Electric	Electric
	1.4	Operator type			Pedestrian	Pedestrian
	1.5	Load capacity / rated load	Q	t	1.6	2.0
		Load capacity mast lift	Q	t	/	/
		Load capacity initial lift	Q	t	/	/
		Load capacity initial lift + mast contemporaneously	Q	t	/	/
	1.6	Load centre distance	c	mm	600	600
	1.8	Load distance (centre of load axle to fork face)	x	mm	700	680
	1.9	Wheelbase	y	mm	1.345	1.325
Weights	2.1	Service weight incl. battery (see line 6.5)		kg	1.200	1.360
	2.2	Axle loading, laden front/rear		kg	1.034 / 1.650	1.334 / 2.272
	2.3	Axle loading, unladen front/rear		kg	874 / 330	966 / 398
Wheels Chassis	3.1	Tires			polyurethane	polyurethane
	3.2	Tire size, front		mm	230	230
	3.3	Tire size, rear		mm	85	85
	3.4	Additional wheels dimensions		mm	150	150
	3.5	Wheels, number front / rear (x = driven wheels)		n°	1x + 1 / 4	1x + 1 / 4
	3.6	Track width, front	b_{10}	mm	610	610
	3.7	Track width, rear	b_{11}	mm	380	380
Basic dimensions	4.2	Mast lowered height	h_1	mm	2.360	2.360
	4.3	Free lift	h_2	mm	1.810	1.810
	4.4	Lift height	h_3	mm	3.510	3.510
	4.5	Mast extended height	h_4	mm	4.195	4.195
	4.6	Initial lift	h_5	mm	/	/
	4.9	Height of tiller arm in drive position min. / max.	h_{14}	mm	740 / 1.300	740 / 1.300
	4.15	Forks lowered height	h_{13}	mm	90	90
	4.19	Overall length	l_1	mm	1.945	1.965
	4.20	Length to face of forks	l_2	m	795	815
	4.21	Overall width	b_1/ b_2	mm	870	870
	4.22	Forks dimensions	s/e/l	mm	70 / 180 / 1.150	70 / 190 / 1.150
	4.25	Width over forks	b_5	mm	560	570
	4.32	Ground clearance, centre of wheelbase	m_2	mm	30	30
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast	mm	2.180	2.200
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast	mm	2.230	2.250
	4.35	Turning radius	W_a	mm	1.625	1.605
Performances	5.1	Travel speed laden / unladen		km/h	5.8 / 6.0	5.8 / 6.0
	5.2	Lifting speed laden / unladen		m/s	0.14 / 0.18	0.14 / 0.18
	5.3	Lowering speed laden / unladen		m/s	0.38 / 0.30	0.38 / 0.30
	5.8	Max gradient performance		%	6 / 10	6 / 10
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric motors	6.1	Traction motor, rating S2 60 min		kW	1.2	1.2
	6.2	Lift motor, rating S3 15%		kW	3	3
	6.3	Battery according to DIN 43531 / 35 / 36 A, B, C, no			DIN 43531	DIN 43531
	6.4	Battery voltage, nominal capacity K5		V/Ah	24 / 270 -345*-375*	24 / 345 -375*
	6.5	Battery weight		kg	245 - 295* - 297*	295 - 297*
	6.6	Energy consumption according to VDI cycle		kW/h	1.25	1.25
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	

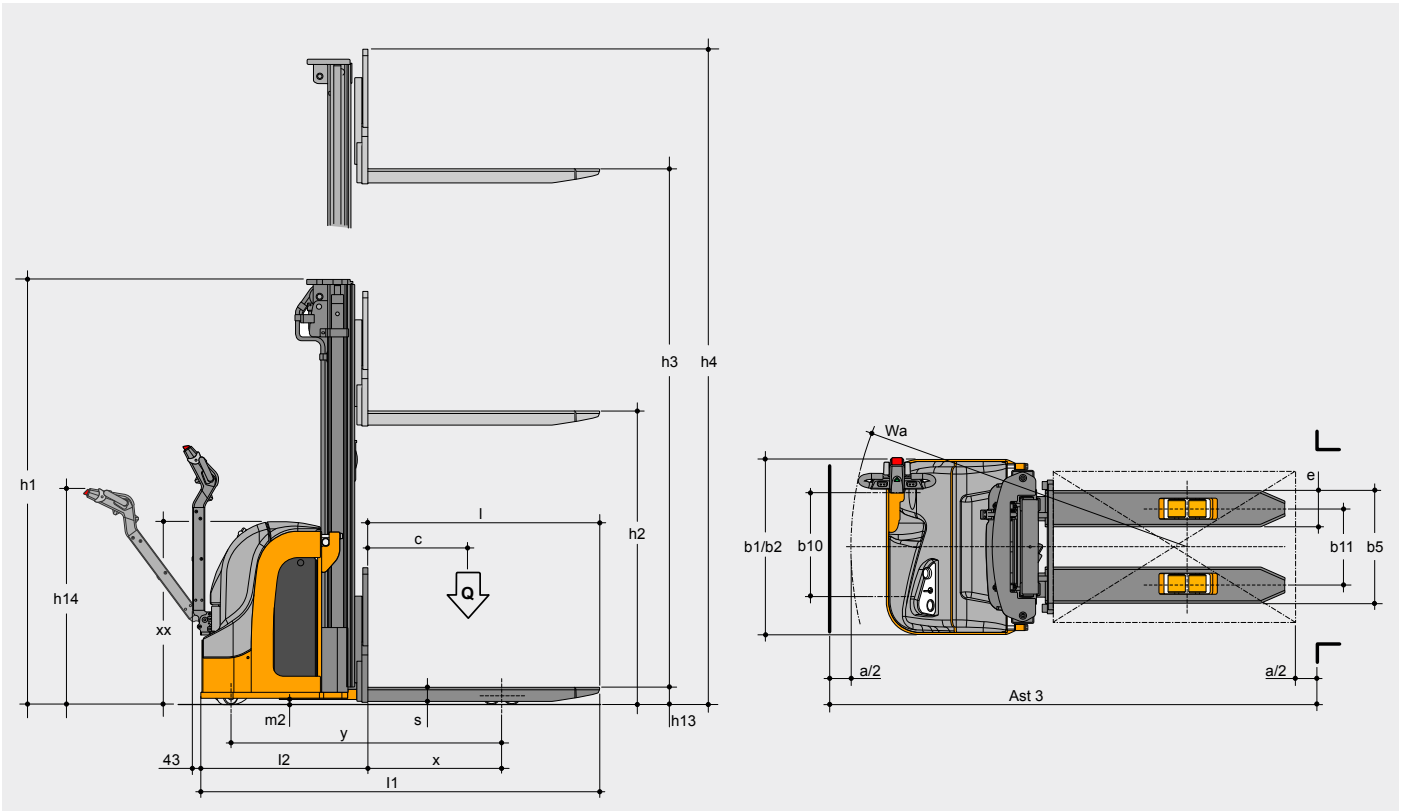
Technical specification according to VDI 2198, technical values are referred to the standard product. Different masts, different tires, additional equipment, etc. could produce other values. Information and data are given for information only, OMG S.r.l. will have the sole right for technical changes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

Accessories and special executions			
full fre lift for duplex mast	■	double battery stand	■
full free lift for triplex mast	□	pin access keypad	■
cold store execution	■	anti roll-back system	□
supertrack traction wheel	■	electronic speed control	□
polyurethane traction wheel	□	electronic brake system	□
push button for vertical operation	■	electromagnetic parking brake	□
electric servo steering on tiller arm	■	BDI hourmeter with lifting cut-off at 80% discharge	□
battery side extraction facility	■	built-in charger 24V 35A	■
single battery stand	■	automatic battery refilling	■

standard □ option ■

Standard masts							716 K ac	720 K ac
Denomination		Mast lowered height h_1	Lift height h_3	Total lift height h_3+h_{13}	Mast extended height h_4	Free lift h_2	Capacity (t) (t) c=600 mm	Capacity (t) (t) c=600 mm
Simplex	mm	2.080	1.560	1.650	2.245	1.560	1.6	2.0
Duplex	mm	1.955	2.710	2.800	3.395	1.410*	1.6	2.0
	mm	2.105	3.010	3.100	3.695	1.560*	1.45	1.8
	mm	2.360	3.510	3.600	4.195	1.810*	1.25	1.6
Triplex FFL	mm	1.860	3.810	3.900	4.495	1.310	1.1	1.5
	mm	1.960	4.110	4.200	4.795	1.410	1.0	1.4
	mm	2.110	4.560	4.650	5.245	1.560	0.85	1.1
	mm	2.360	5.310	5.400	6.000	1.810	0.5	0.7

* option



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.

The maintenance is easier thanks to the opening in the chassis to check the traction wheel with no need to lift the unit. The new covers in polyethylene with easy opening system grant high accessibility to the components during the maintenance operations.

The new range of industrial stackers is equipped with traction batteries up to 375 Ah. The side battery extraction facility is available for the operation on different working shifts. The wo-wa built-in charger (option) provides easy and reliable charging at any plug socket. The electronic control is IP65 protected. As option, the electronic system on tiller arm is weatherproof IP 55 (standard for cold store execution).

OMG S.r.l.
Legal Seat:
Corso Buenos Aires,18 - 20124 Milano
Seat:
Via dell'Artigianato, 12 - 46023 Gonzaga (MN) Italy Tel. +39 0376 526011 Fax +39 0376 588008
www.omgindustry.com - info@omgindustry.com