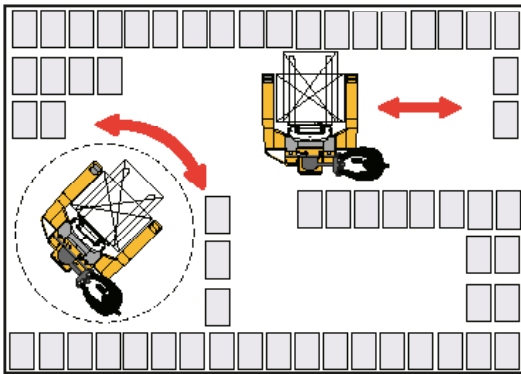


## The economical and safe bi-directional electric stackers, ideal for transporting and storing long and / or bulky loads



The 716 BD ac - 720 BD ac walk behind bi-directional forklift trucks are specially designed for warehouses with small spaces and long and/or wide loads. Economical and versatile, these machines are the perfect solution for all those who need to transport long loads on narrow aisles without guidance. The bi-directional stackers are available both with mechanical drive and electric drive version.\*

\*the total dimensions of the two models may vary, always check the data sheet.

### Frame

Made of bended sheet metal to minimise any tensions induced by welds, ensuring maximum stability and best mechanical resistance under any conditions of transport and storage. The configuration with four support points provides maximum stability. The simple pivoting wheel adjustment system helps maintaining the same grip level, compensating for any wearout of the drive wheel. The highly visible masts and the lateral tiller ensure optimal visibility for load storage, picking and transport. The battery compartment cover is hinged, facilitating battery top-up and daily and periodical maintenance operations. Particular attention was paid to simplify the access to mechanical parts so as to minimise the routine maintenance costs.

### Masts

The OMG masts are made of cold extruded profiles, ensuring high resistance to bending and twisting. The lift cylinders are installed outside of the mast profiles and the chains are protected to ensure perfect visibility and maximum safety. Available in simplex, duplex and triplex version with wide free lift and nominal capacities of 1,600 and 2,000 kg.

### Hydraulic functions

The 3kW powerful and silent lift motor with high torque ration offers high performance with low power consumption. The pumps are highly efficient and very quiet. The mini joystick installed on the tiller (finger touch) allows the operator to lift and lower the forks without releasing the tiller.

## Drive

Powerful and reliable ac traction motor, capable of meeting even the most demanding requests in terms of performance, under any conditions. Travel speed controlled directly by the throttle installed on the tiller.

The configuration with four support points provides optimal stability, ensuring maximum safety and comfort during load picking and storage. The mini joystick (finger touch) allows the operator to control the truck by simply moving his finger along the tiller, ensuring precise and smooth load lifting and lowering, without taking his hands off the tiller. The hydraulic motor with fluid adjustment system reduces the noise, ensuring at the same time smooth and precise load lifting. Enhanced lifting and lowering speed for faster operations. Side cylinders fitted with silent blocks to prevent any kickbacks that might affect the stability of the load during forks lowering.

The new range of forklift trucks is fitted with traction batteries of up to 375 Ah. With the wo-wa battery charger installed on-board (optional) you can recharge your truck from any socket. The electronic control comes with IP 65 protection rating and is waterproof and dustproof. The tiller head can also be manufactured with IP55 protection rating for protection against dust and water (standard feature for cold store versions).



The hydraulic system fitted on the 716 BD ac - 720 BD ac, which can be activated by the operator with the push of a button, located on the tiller, allows one of the front wheels to turn at 90 °, thus ensuring bi-directionality of the truck.



## 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);
- emergency braking that takes place automatically if the tiller is suddenly released or lowered (electromagnetic brake);
- parking brake.



Wheel position light indicator for wheel positioning, to facilitate handling operations, both with and without load. (optional)



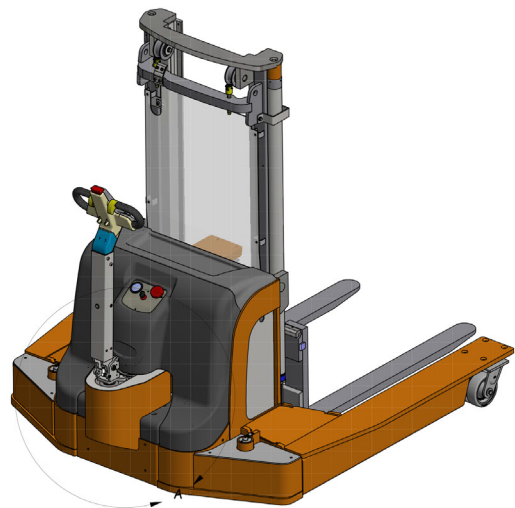
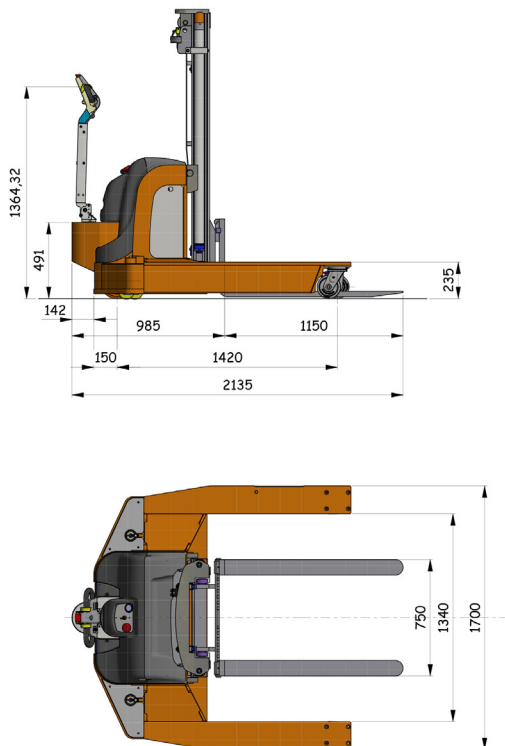
### Accessories and special features

total free lift for duplex column	■	double lateral battery extraction roller with wheels	■
total free lift for triplex column	■	access keypad with pin code	■
protection for cold storage	■	anti roll-back device	■
supertrack drive wheel	■	electronic speed control	■
polyurethane drive wheel	■	electronic braking system	■
low speed push-button with tiller in vertical position	■	electromagnetic parking brake	■
servo-assisted tiller	■	voltmeter-timer, auto-lock function when 80% of the battery capacity is discharged	■
lateral battery extraction system	■	24V 35A current rectifier on-board	■
automatic battery filling system	■		

standard ■
optional ■

Standard masts						716 BD ac	720 BD ac	
Description		Lowered mast height	Forks stroke	Total lifting	Lowered mast height	Free lift	Capacity (t)	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	(t) c=600 mm
Simplex	mm	2.080	1.610	1.650	2.250	1.560	1.6	2.0
	mm	1.955	2.760	2.800	3.435	1.410*	1.6	2.0
Duplex	mm	2.105	3.060	3.100	3.730	1.560*	1.6	2.0
	mm	2.360	3.560	3.600	4.230	1.810*	1.3	1.8
Triplex GAL	mm	1.860	3.860	3.900	4.500	1.310	1.1	1.6
	mm	1.960	4.160	4.200	4.800	1.410	1.0	1.5
	mm	2.110	4.610	4.650	5.250	1.560	0.90	1.4
	mm	2.360	5.360	5.400	6.000	1.810	0.60	1.0

\* optional



Characteristics	1.1	Manufacturer	OMG S.r.l.				
	1.2	Model	716 BD ac		720 BD ac		
		Execution	GM	GE	GM	GE	
	1.3	Operation	Electric		Electric		
	1.4	Operator position	at ground level		at ground level		
	1.5	Capacity	Q	t	1.6		
	1.6	Load centre of gravity	c	mm	600		
	1.8	Load distance	x	mm	730		
	1.9	Wheel centre distance	y	mm	1435		
	Weights	2.1	Truck weight incl. battery (see line 6.5)	kg		1300	
		2.2	Weight on axis with front / rear load	kg			
2.3		Weight on axis without front / rear load	kg				
Wheels Frame	3.1	Wheels and tyres	polyurethane		polyurethane		
	3.2	Front wheel size	mm		245		
	3.3	Rear wheels size	mm		150		
	3.4	Stabiliser wheels size	mm				
	3.5	Number of front / rear wheels (x = drive)	n°		1x / 2		
	3.6	Front track	b10	mm			
	3.7	Rear track	b11	mm	1520		
Base dimensions	4.2	Lowered mast height	h1	mm	2.105		
	4.3	Free lift	h2	mm	1.560*		
	4.4	Forks lifting stroke	h3	mm	3.010		
	4.5	Extended mast height	h4	mm	3.695		
	4.6	Initial lift	h5	mm			
	4.9	Tiller height in min. /max. driving position	h14	mm			
	4.15	Forks lowered height	h13	mm			
	4.19	Overall length	l1	mm			
	4.20	Length including forks heel	l2	m			
	4.21	Overall width	b1/ b2	mm			
	4.22	Forks size	s/e/l	mm			
	4.25	Width over forks	b5	mm			
	4.32	Clearance at mid stroke	m2	mm			
	4.33	Working aisle width with 1000 x 1200 transversal pallet	Ast	mm			
	4.34	Working aisle width with 800 x 1200 longitudinal pallet	Ast	mm			
4.35	Turning radius	Wa	mm				
Performance	5.1	Speed with / without load	km/h				
	5.2	Lifting speed with / without load	m/s				
	5.3	Lowering speed with/without load	m/s				
	5.8	Max. feasible gradient with / without load	%				
	5.10	Service brake					
Electric motors	6.1	Traction motor, 60 min performance with S2	kW				
	6.2	Lift motor, 15% performance with S3	kW				
	6.3	Battery as per DIN 43531 / 35 / 36 A, B, C, no			DIN 43531	DIN 43531	
	6.4	K5 battery voltage, nominal capacity	V/Ah		24 / 270 -345*-375*	24 / 345 -375*	
	6.5	Battery weight	kg				
	6.6	Power consumption as per VDI cycle	kW/h				
Miscellaneous	8.1	Type of electronic system			ac	ac	
	8.4	Noise threshold as per EN 12 053	dB(A)		< 70	< 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. reserves the right to modify the documentation without prior notice.