

Walk behind forklift trucks, ideal for industrial applications and intensive use



The 716 K and 720 K ac electric forklift trucks are designed and manufactured for intensive use: the cutting edge technology, high quality materials and ease of use and maintenance render these machines ideal for day-to-day efficient, economical and comfortable work.

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 wear-out 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.

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.

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.



Facilitated maintenance operations thanks to wide chassis opening that allows replacing the drive wheel without lifting the entire truck. New polyethylene casings with innovative opening system for easy access to all main components during routine and extraordinary maintenance operations.

The new range of forklift trucks is fitted with traction batteries of up to 375 Ah. The lateral battery extraction system is available on request. 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).



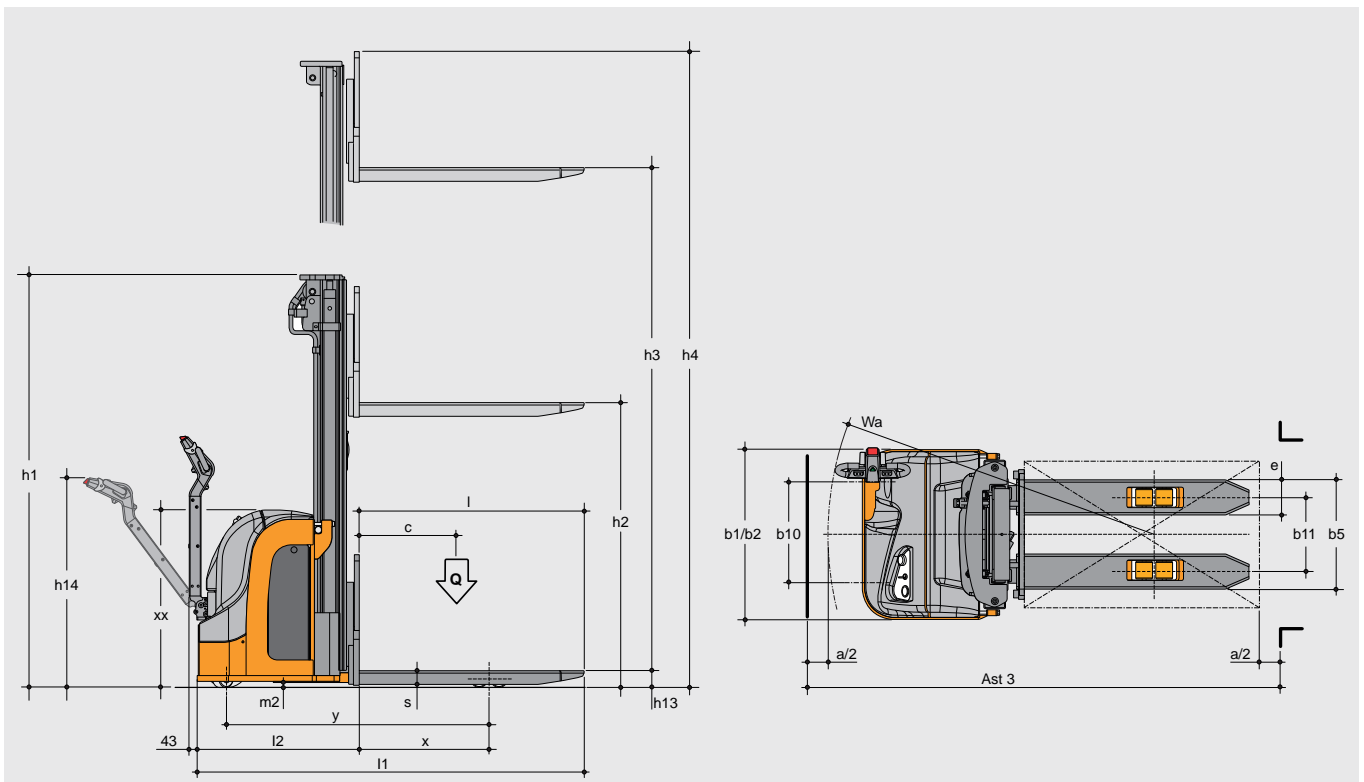
Accessories and special features

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	■
roller for lateral battery extraction	■	automatic battery filling system	■

standard ■
optional ■

Standard masts						716 K ac	720 K ac
Description	Lowered mast height	Forks stroke	Total lifting	Lowered mast height	Free lift	Capacity (t)	Capacity (t)
						(t) c=600 mm	(t) c=600 mm
	h ₁	h ₃	h ₃ +h ₁₃	h ₄	h ₂		
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	3,395	1,560 *	1.45	1.8
	mm 2,360	3,510	3,600	4,195	1,810*	1.25	1.6
Triplex GAL	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	4,610	5,245	1,560	0.85	1.1
	mm 2,360	5,310	5,400	6,000	1,810	0.5	0.7

* optional



Characteristics	1.1	Manufacturer			OMG S.r.l. Single member company		
	1.2	Model			716 K ac	720 K ac	
		Execution					
	1.3	Operation			Electric	Electric	
	1.4	Operator position			at ground level	at ground level	
	1.5	Capacity	Q	t	1.6	2.0	
		Mast lift capacity	Q	t	/	/	
		Forks lift capacity	Q	t	/	/	
		Forks + mast lift capacity	Q	t	/	/	
	1.6	Load centre of gravity	c	mm	600	600	
1.8	Load distance	x	mm	700	680		
1.9	Wheel centre distance	y	mm	1,345	1,345		
Weights	2.1	Truck weight incl. battery (see line 6.5)			kg	1,200	1,360
	2.2	Weight on axis with front / rear load			kg	1,034 / 1,650	1,334 / 2,272
	2.3	Weight on axis without front / rear load			kg	874 / 330	966 / 398
Wheels Frame	3.1	Wheels and tyres				polyurethane	polyurethane
	3.2	Front wheel size			mm	85	85
	3.3	Rear wheels size			mm	230	230
	3.4	Stabiliser wheels size			mm	150	150
	3.5	Number of front / rear wheels (x = drive)			no.	1x + 1 / 4	1x + 1 / 4
	3.6	Front track	b10	mm		610	610
	3.7	Rear track	b11	mm		380	380
Base dimensions	4.2	Lowered mast height	h1	mm		2,360	2,360
	4.3	Free lift	h2	mm		1,810	1,810
	4.4	Forks lifting stroke	h3	mm		3,510	3,510
	4.5	Extended mast height	h4	mm		4,195	4,195
	4.6	Initial lift	h5	mm		/	/
	4.9	Tiller height in min. /max. driving position	h14	mm		740 / 1,300	740 / 1,300
	4.15	Forks lowered height	h13	mm		90	90
	4.19	Overall length	l1	mm		1,980	2,000
	4.20	Length including forks heel	l2	m		795	815
	4.21	Overall width	b1/ b2	mm		870	870
	4.22	Forks size	s/e/l	mm		70 / 180 / 1,150	70 / 190 / 1,150
	4.25	Width over forks	b5	mm		560	570
	4.32	Clearance at mid stroke	m2	mm		30	30
4.33	Working aisle width with 1000 x 1200 transversal pallet	Ast	mm		2,230	2,250	
4.34	Working aisle width with 800 x 1200 longitudinal pallet	Ast	mm		2,230	2,250	
4.35	Turning radius	Wa	mm		1,625	1,605	
Performance	5.1	Speed with / without load			km/h	5.8 / 6	5.8 / 6
	5.2	Lifting speed with / without load			m/s	0.14 / 0.18	0.14 / 0.18
	5.3	Lowering speed with/without load			m/s	0.38 / 0.30	0.38 / 0.30
	5.8	Max. feasible gradient with / without load			%	6 / 10	6 / 10
	5.10	Service brake				Electromagnetic	Electromagnetic
Electric motors	6.1	Traction motor, 60 min performance with S2			kW	1.2	1.2
	6.2	Lift motor, 15% performance with S3			kW	3	3
	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	230	230
	6.6	Power consumption as per VDI cycle			kW/h	1.25	1.25
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. Single member company reserves the right to modify the documentation without prior notice.