

Planet Series

Electric Forklift Trucks

4 Wheels



ETC
Carrelli Elevatori



Planet Series

Electric 4-Wheel Trucks 1600 - 2000 - 2300 kg.

The compact design of the 4-wheel Planet, gives excellent manoeuvrability and control in a variety of applications.



Motors / Electronic control

State of the art technology, combined with optimum motor efficiency, gives effortless control and minimum energy consumption. All functions can be calibrated accordingly to the needs of your operation.



Ergonomics

The all round visibility, ease of access to the cab, and the maximum use of space available, contribute to comfortable working, ensuring increased productivity.



Comfort

The steering wheel can be adjusted both for height and incline. The multi-position seat, with easy access to the controls combine to ensure maximum driver acceptability.



Planet Series 416 - 420 - 423

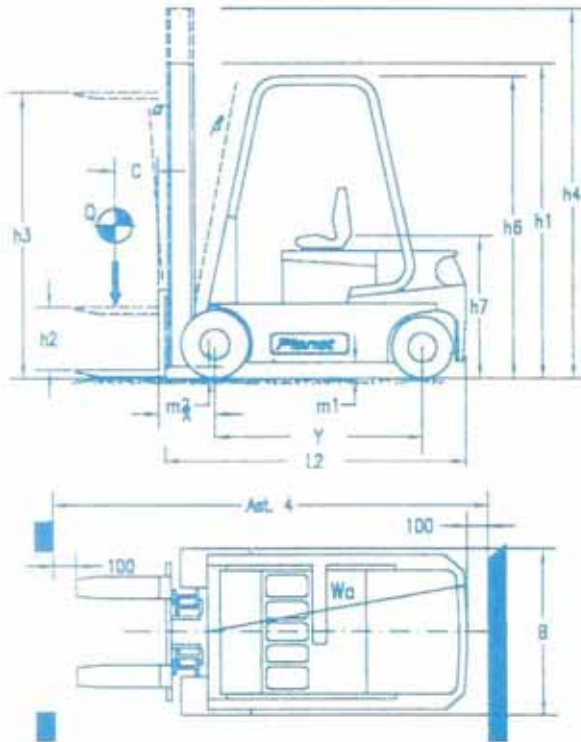
features	01		CTC						
	02				PLANET 416	PLANET 420	PLANET 423		
03	Capacity	Q	Rated load	Kg	1600	2000	2300		
04	Load centre	C	Distance	mm	500	500	500		
05	Motor type		Electric (Battery)		ELECTRIC	ELECTRIC	ELECTRIC		
06	Driving position		Operator: standing - sitting - walking		SITTING	SITTING	SITTING		
07	Tyres		C=Cushion SE=Superelast. P=Pneumatic		P.S.C./S.	P.S.C./S.	P.S.C./S.		
08	Wheels (X=drive wheel)		Number front / rear		2X/2	2X/2	2X/2		
dimensions	09	Lifting with duplex mast	h3	Standard lifting	mm	3300	3300	3300	
			h2	Normal free lift	mm	120	120	120	
			h5	Full free lift	mm	/	/	/	
	12	Standard forks		Length x Width x Thickness - L x b x s mm		1000X100X35	1000X130X35	1000X130X35	
	13	Forks carrier		FEM rules complying		FEM II A	FEM II A	FEM II A	
	14	Tilting		Forward (α) / Backwards (β)		3°/8°	3°/8°	3°/8°	
	15	Dimensions	L2	Overall length w/out forks	mm	2000	2000	2110	
			B	Overall width	mm	1125	1145	1145	
			h1	Min. height with closed mast	mm	2275	2275	2275	
			h4	Max. height with raised mast	mm	3850	3850	3850	
			h6	Height of headguard	mm	2000	2000	2000	
	20		h7	Height of the seat	mm	960	960	960	
	21	Turning radius	Wa	Outer	mm	1970	1970	2040	
22	Load distance	x	From forks to front wheel axle	mm	365	365	375		
23	Gangway width	Ast.4	Pallets 800x1200 / 1200x1200	mm	3335/3735	3335/3735	3415/3815		
perform.	24		Stability		FEM rules	YES	YES	YES	
	25		Drive speed		With / without load	Km/h	13/14	14/15	14/15
	26		Lifting speed		With / without load	m/s	0,32/0,42	0,35/0,42	0,35/0,42
	27		Lowering speed		With / without load	m/s	0,60/0,40	0,60/0,40	0,60/0,40
	28		Max. towing capacity		Without load	Kg	720	780	820
	29		Max. gradeability		With / without load	%	16/21	14/19	14/19
wgt.	30		Weight with battery		Standard lifting	Kg	3240	3340	3380
	31	Axle load-laden		Front / rear axle	Kg	4290/450	4895/445	5380/300	
		Axle load-unladen		Front / rear axle	Kg	1840/1400	1660/1680	1740/1640	
chassis	32	Wheels	Number: front/rear		N.	2/2	2/2	2/2	
			Size: front			18X7X8	200/50-10	200/50-10	
			Size: rear			16X6X8	16X6X8	16X6X8	
	35	Wheel base	Y		mm	1400	1400	1500	
	36	Track		Front wheels centre	mm	960	950	950	
	37	Ground clearance	m2	Minimum	mm	90	90	150	
			m1	Wheel base centre	mm	90	90	90	
	39	Brakes	Pedal service brake			HYDRAULIC	HYDRAULIC	HYDRAULIC	
Hand parking brake				MECHANIC	MECHANIC	MECHANIC			
drive unit	41	Battery	Type			TUBULAR	TUBULAR	TUBULAR	
			Tension / capacity		V/Ah	48/480	48/550	48/600	
			Minimum weight		Kg	820	910	1140	
	44	Electric motors	Traction, S2 power		KW	6,5	8	8	
			Lifting, S3 25% power		KW	5,5	8	8	
	46	Steering		Type		HYDRAULIC	HYDRAULIC	HYDRAULIC	
47	Transmission		Type		MOSFET	MOSFET	MOSFET		
48	Hydraulic system		Max. pressure	bar	150	150	150		

For modifications and improvements, the above data are not binding.

Planet Series

416 - 420 - 423

MAST OVERALL DIMENSIONS



TYPE OF MAST	H3	H1	H2	H4
DUPLEX FULL VISIBILITY	3300	2275	120	3850
	3600	2425	120	4150
	4000	2625	120	4550
	4500	2875	120	5050
DUPLEX FULL FREE LIFT	2900	1980	1405	3470
	3300	2205	1630	3900
	3600	2355	1780	4200
	4000	2550	1930	4500
TRIPLEX FULL FREE LIFT	4400	1985	1405	4930
	4800	2130	1550	5330
	5200	2285	1705	5730
	5600	2435	1860	6130
	6000	2585	2005	6530

Planet 416 - REST CAPACITY

load centre (mm)	duplex full visibility - duplex full free lift mast						triplex full free lift mast				
	2900	3300	3600	4000	4500	5000	4400	4800	5200	5600	6000
500	1600	1600	1550	1500	1300	1150	1120	1000	950	880	820
600	1440	1440	1380	1340	1180	1030	1000	940	850	790	740
750	1250	1250	1200	1160	1000	880	870	800	740	680	630
1000	1000	1000	960	930	820	720	710	660	600	560	520

Planet 420 - REST CAPACITY

load centre (mm)	duplex full visibility - duplex full free lift mast						triplex full free lift mast				
	2900	3300	3600	4000	4500	5000	4400	4800	5200	5600	6000
500	2000	2000	1950	1800	1600	1450	1500	1400	1300	1200	1100
600	1800	1800	1750	1600	1450	1280	1350	1250	1160	1080	980
750	1550	1550	1500	1450	1230	1120	1160	1090	1010	940	850
1000	1280	1280	1220	1150	1000	920	950	890	830	770	700

Planet 423 - REST CAPACITY

load centre (mm)	duplex full visibility - duplex full free lift mast						triplex full free lift mast				
	2900	3300	3600	4000	4500	5000	4400	4800	5200	5600	6000
500	2300	2300	2200	2050	1850	1700	1800	1700	1600	1500	1400
600	2050	2050	2000	1950	1760	1580	1600	1530	1430	1340	1250
750	1750	1750	1700	1600	1440	1320	1400	1330	1240	1150	1080
1000	1450	1450	1400	1300	1170	1080	1140	1070	1000	950	890

Rest capacity with integrated side shifter = -50 Kg