

# EL13-EL16P

Minimum overall dimensions,  
maximum performance output.  
Stacker truck for high performance levels.



SAMAG products and brochure specifications are subject to change without notice.

Distinguishing mark	1.1	Manufacturer		
	1.2	Manufacturer's type designation		
Weight	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		
Tyres, chassis	1.5	load capacity/rated load	Q	t
	1.6	Load centre distance	C	mm
Dimensions	1.8	Load distance, centre of drive axle to fork	x	mm
	1.9	Wheelbase	Y	mm
	2.1	Service weight		Kg
	2.2	Axle loading, laden ( front / rear )		Kg
	2.3	Axle loading, unladen ( front / rear )		Kg
	3.1	Tyres: solid rubber, superelastich, pneumatic, polyureth.		
	3.2	Tyre size, front		mm
	3.3	Tyre size, rear		mm
	3.5	Wheels, number front rear (x = driven wheels)		
	3.6	Tread, front	b <sub>10</sub>	mm
	3.7	Tread, rear	b <sub>11</sub>	mm
	4.2	Height, mast lowered	h <sub>1</sub>	mm
	4.3	Free lift	h <sub>2</sub>	mm
	4.4	Lift	h <sub>3</sub>	mm
	4.5	Height, mast extended	h <sub>4</sub>	mm
4.6	Initial lift	h <sub>5</sub>	mm	
4.8	Seat height/stand height	h <sub>7</sub>	mm	
4.9	Height of tiller in drive position ( min. / max. )	h <sub>14</sub>	mm	
4.15	Height of forks from ground	h <sub>13</sub>	mm	
4.19	Overall length	l <sub>1</sub>	mm	
4.20	Length of face of forks	l <sub>2</sub>	mm	
4.21	Overall width	b <sub>1</sub>	mm	
4.22	Fork dimensions	sl <sub>ell</sub>	mm	
4.24	Fork - carriage width	b <sub>3</sub>	mm	
4.25	External fork widths	b <sub>5</sub>	mm	
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	
4.34	Aisle width for pallets 800 x 1200 crossways	A <sub>sk</sub>	mm	
4.35	Turning radius	Wa	mm	
Performance data	5.1	Travel speed ( laden / unladen )		Km/h
	5.2	Lift speed ( laden / unladen )		m/s
	5.3	Lowering speed ( laden / unladen )		m/s
	5.7	Gradeability ( laden / unladen )		%
	5.8	Max. gradeability ( laden / unladen )		%
Electric - engine	6.1	Traction motor, power KB 60°		KW
	6.2	Lifting motor, performance 15% ED		KW
	6.3	Battery DIN 43531/35/36 A, B, C,		
	6.4	Tension / nominal capacity		V / Ah
	6.5	Battery weight (+ 5%)		Kg
	8.1	Control type		
	8.4	Sound level at the driver's ear according to DIN 10 053		

SAMAG	
EL 13 P.O.	
Electric	
Pedestrian	Stand-on
	1,3
	600
	718 / 717
	1229 / 1245 ( 2 )
1010	1090
885 / 1425	965 / 1425
760 / 250	840 / 250
Vulkollan	Vulkollan
260x85 / 150x50	
85x70	
1X + 2/4	
754	
380	
( see table )	
( see table )	
( see table )	
( see table )	
( see table )	
135	
952 / 1265	
85	
( see table )	
( see table )	
880	
60x180x1150	
650	
560	
30	
( see table )	
( see table )	
1447-1463(2)	1575-1934/1591-1949(1)(2)
5 / 5,5	5 / 5,5 - 6,5 / 8
0,13 / 0,26	
0,40 / 0,30	
7 / 9	
7 / 15	
Electric	Electric
1,5 AC	1,5 AC
2,5	2,5
yes	yes
24 / 240	34 / 320
205	265
Electric AC	Electric AC
<70	<70

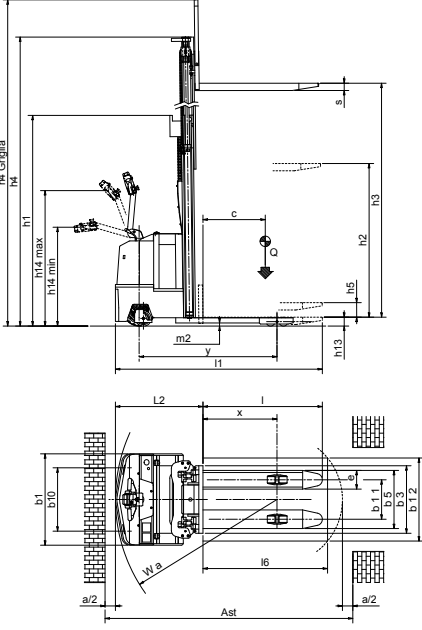
SAMAG	
EL 16 P	
Electric	
Pedestrian	Stand-on
	1,6
	600
	714
	1327 / 1349 ( 2 )
1230	1260
1060 / 1770	1200 / 1750
920 / 310	940 / 320
Vulkollan	Vulkollan
307x88 / 150x50	
85x70	
1X + 2/4	
754	
380	
( see table )	
( see table )	
( see table )	
( see table )	
( see table )	
135	
992 / 1304	
85	
( see table )	
( see table )	
880	
70x180x1150	
650	
560	
30	
( see table )	
( see table )	
1555-1577(2)	1682-2041/1704-2063(1)(2)
5 / 5,5	5 / 5,5 - 7,8 / 9
0,11 / 0,23	
0,34 / 0,24	
7 / 9	
7 / 15	
Electric	Electric
1,5 AC	1,5 AC
2,5	2,5
yes	yes
34 / 320	34 / 320
265	265
Electric AC	Electric AC
<70	<70

AC power traction motor that guarantees:  
 -Increased power,  
 -maximum performance levels with reduced maintenance required.  
 Fork lifting and lowering with proportional buttons.  
 The tiller arm and central drive wheel, being spring loaded, enable you to maintain constant contact to the floor and reduce vibrations to operator's arms and also minimum steering effort even with full load  
 Version with platform for transport of operator.  
**Special dimensions on request.**

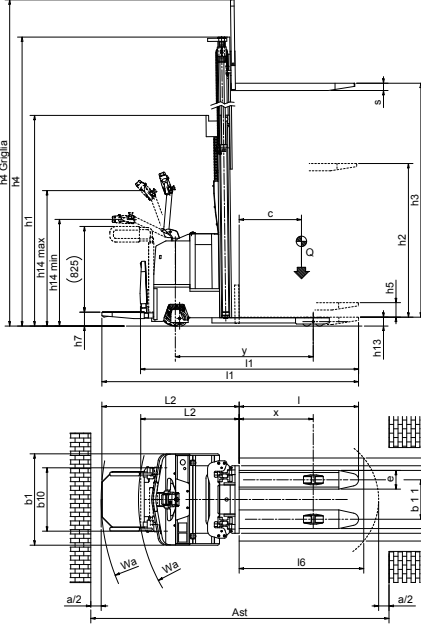
**OVERALL DIMENSIONS OF LIFTING GROUPS**

LIFT HEIGHT	Q ( kg )		h3		h5		h2		L1		L1 P.O. (1)		L2		L2 P.O. (1)		h1		h4		h4 grid		Ast		Ast P.O. (1)				
	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P	EL 13	EL 16 P			
Non telescopic NT	1700	1300 1600	1620 1620	1620 1620	/	/	1884	1993	1989	2363	2096	2470	734	843	839	1213	946	1320	2080	2080	2100	2100	2510	2510	2134	2386	2262-2620	2513-2872	
Duplex "DV"	2500	1300 1600	2430 2430	150 140	/	/	1879	1991	1984	2358	/	729	841	834	1208	/	1780	1780	2960	2690	3320	3320	2129	2386	/	/	/	/	
	3000	1300 1500	2930 2930	150 140	/	/	1879	1991	1984	2358	2096	2470	729	841	834	1208	946	1320	2030	2030	3460	3460	3820	3820	2129	2386	2257-2615	2513-2872	
	3500	1000 1200	3430 3430	150 140	/	/	1879	1991	1984	2358	2096	2470	729	841	834	1208	946	1320	2280	2280	3960	3960	4320	4320	2129	2386	2257-2615	2513-2872	
	4000	800 1000	3930 3930	150 140	/	/	1879	1991	1984	2358	2096	2470	729	841	834	1208	946	1320	2530	2530	4460	4460	4820	4820	2129	2386	2257-2615	2513-2872	
	4300	600 850	4270 4270	150 140	/	/	1879	1991	1984	2358	2096	2470	729	841	834	1208	946	1320	2700	2700	4800	4800	5160	5160	2129	2386	2257-2615	2513-2872	
Duplex "DVL"	2500	1300 1600	2445 2445	/	/	1230 1230	1879	1991	1984	2358	2096	2470	729	841	834	1208	946	1320	1780	1780	2995	2995	3335	3335	2129	2386	/	/	
	3000	1300 1500	2945 2945	/	/	1480 1480	1879	1991	1984	2358	2096	2470	729	841	834	1208	946	1320	2030	2030	3495	3495	3835	3835	2129	2386	2257-2615	2513-2872	
	3500	1000 1200	3445 3445	/	/	1730 1730	1879	1991	1984	2358	2096	2470	729	841	834	1208	946	1320	2280	2280	3995	3995	4335	4335	2129	2386	2257-2615	2513-2872	
	4000	800 1000	3945 3945	/	/	1980 1980	1879	1991	1984	2358	2096	2470	729	841	834	1208	946	1320	2530	2530	4495	4495	4835	4835	2129	2386	2257-2615	2513-2872	
Triplex "TV"	4200	700 900	4155 4155	/	/	/	1896	2013	2002	2376	2119	2493	746	863	852	1226	969	1343	1980	1980	4750	4750	5045	5045	2147	2408	2275-2633	2535-2894	
	4500	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	4800	600 800	4695 4695	/	/	/	1896	2013	2002	2376	2119	2493	746	863	852	1226	969	1343	2160	2160	5290	5290	5585	5585	2147	2408	2275-2633	2535-2894	
	5200	500 600	5145 5145	/	/	/	1896	2013	2002	2376	2119	2493	746	863	852	1226	969	1343	2310	2310	5740	5740	6035	6035	2147	2408	2275-2633	2535-2894	
	5600	/	5595	/	/	/	/	2013	/	/	2119	2493	746	863	852	1226	969	1343	/	2460	/	6190	/	6485	/	2408	/	2535-2894	
Triplex "TVL"	4200	700 900	4170 4170	/	/	1400 1400	1896	2013	2002	2376	2119	2493	746	863	852	1226	969	1343	1980	1980	4750	4750	5060	5060	2147	2408	2275-2633	2535-2894	
	4500	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	4800	600 800	4710 4710	/	/	1580 1580	1896	2013	2002	2376	2119	2493	746	863	852	1226	969	1343	2160	2160	5290	5290	5600	5600	2147	2408	2275-2633	2535-2894	
	5200	500 600	5160 5160	/	/	1730 1730	1896	2013	2002	2376	2119	2493	746	863	852	1226	969	1343	2310	2310	5740	5740	6050	6050	2147	2408	2275-2633	2535-2894	
	5600	/	5610	/	/	1880	/	2013	/	/	2119	2493	746	863	852	1226	969	1343	/	2460	/	6190	/	6500	/	2408	/	2535-2894	

Ast includes "a" (manoeuvring space) = 200 mm and means empty pallet space  
 (1) Vertical platform/Horizontal platform  
 (2) Duplex / Triplex



Without side protection for speed up to 6 km/h



With side protection for speed > 6 km/h



Version with operator platform



Version with electrical steering



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