



NOTE: the TRIPLEX masts can be equipped only with battery 24V 270Ah or 24V 315Ah; GAL version is an optional.

LAST UPDATE: 11/01/2013

GENERAL SPECIFICATIONS

MODEL	PL13	PL16
Load capacity	1300 kg	1600 kg
Axle load with load	front 2 / 7 rear 5 / 7	
Axle load without load	front 3 / 4 rear 1 / 4	
Lowered forks height	D09 86	88
Single front rollers size (polyurethane)	ø 80 × 70	ø 85 × 90
Drive wheel size (polyurethane)	ø 250 × 79	
Additional wheel size (polyurethane)	ø 150 × 50	
Front track	480	
Rear track	560	
Height of tiller in gear position (brake releasing)	min 935 max 1307	
Travel speed	with load 5,5 km/h without load 6,0 km/h	5,5 km/h 6,0 km/h
Max gradeability	with load 8% without load 16%	9% 18%
Brake	Electromagnetic	
Electronic control type	Mosfet 24V 200A	
Traction motor power (series excite system)	1200 W	1400 W
Pump motor power	3000W	
Noise	65 dB	
Battery box size [L × W × H]	220 × 808 × 565	

PL13 SERIES - GEL BATTERIES AVAILABLE AND RESIDUAL CAPACITY AT THE MAX LIFTING HEIGHT

Traction battery 24V 180Ah (188 kg)	1300 kg	1300 kg	1110 kg	975 kg	830 kg	605 kg	490 kg	N.A.	N.A.	N.A.
Traction battery 24V 240Ah (219 kg)	1300 kg	1300 kg	1155 kg	1030 kg	880 kg	640 kg	520 kg	N.A.	N.A.	N.A.
Traction battery 24V 270Ah (251 kg)	1300 kg	1300 kg	1190 kg	1065 kg	915 kg	670 kg	540 kg	955 kg	835 kg	705 kg.
Traction battery 24V 315Ah (288 kg)	1300 kg	1300 kg	1220 kg	1100 kg	940 kg	690 kg	560 kg	970 kg	850 kg	725 kg.

PL16 SERIES - GEL BATTERIES AVAILABLE AND RESIDUAL CAPACITY AT THE MAX LIFTING HEIGHT

Traction battery 24V 180Ah (188 kg)	1600 kg	1600 kg	1210 kg	1065 kg	915 kg	675 kg	535 kg	N.A.	N.A.	N.A.
Traction battery 24V 240Ah (219 kg)	1600 kg	1600 kg	1250 kg	1110 kg	960 kg	705 kg	570 kg	N.A.	N.A.	N.A.
Traction battery 24V 270Ah (251 kg)	1600 kg	1600 kg	1300 kg	1155 kg	1000 kg	730 kg	590 kg	1083 kg	950 kg	800 kg.
Traction battery 24V 315Ah (288 kg)	1600 kg	1600 kg	1345 kg	1195 kg	1030 kg	750 kg	610 kg	1098 kg	965 kg	820 kg.

INTERCHANGEABLE MASTS SPECIFICATIONS

MAST NOMINATION	H = 1,6 m	H = 2,5 m	H = 2,9 m	H = 3,2 m	H = 3,6 m	H = 4,2 m	H = 4,5 m	H = 4,5 m	H = 5,0 m	H = 5,5 m	
Mast type	Simplex	Duplex	Duplex	Duplex	Duplex	Duplex	Duplex	Triplex	Triplex	Triplex	
GAL lifting height (optional)	D03	-	-	1600	1800	2100	2255	1635	1801	1967	
Mast lowered height	D04	1990	1745	1945	2095	2295	2595	2750	2130	2296	
Mast lifting height	D05	1600	2500	2900	3200	3600	4200	4500	4500	5000	
Mast extended height	D06	-	2950	3350	3650	4050	4650	4950	5070	5570	
Distance between axle	D07	1295								1345	
Front distance between axle	D08	379									331
Length with forks shoulder	D02	730									732
Total length	D01	1870									1872
Steering radius	R	1530									1566
Working isle width	Ast	2130									2132
Weight (without battery)	PL13	505 kg	636 kg	657 kg	667 kg	694 kg	720 kg	747 kg	972 kg	997 kg	
	PL16	530 kg	661 kg	682 kg	692 kg	719 kg	746 kg	772 kg	1038 kg	1063 kg	
Lifting speed	with load	0,10 m/s	0,10 m/s	0,10 m/s	0,10 m/s	0,10 m/s	0,10 m/s	0,10 m/s	0,10 m/s	0,10 m/s	
	without load	0,12 m/s	0,12 m/s	0,12 m/s	0,12 m/s	0,12 m/s	0,12 m/s	0,12 m/s	0,12 m/s	0,12 m/s	
Lowering speed	with load	0,13 m/s	0,13 m/s	0,13 m/s	0,13 m/s	0,13 m/s	0,13 m/s	0,13 m/s	0,13 m/s	0,13 m/s	
	without load	0,09 m/s	0,09 m/s	0,09 m/s	0,09 m/s	0,09 m/s	0,09 m/s	0,09 m/s	0,09 m/s	0,09 m/s	
Forks size	W × H × L	180 × 70 × 1140									