



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

LAST UPDATE: 11/01/2013

GENERAL SPECIFICATIONS

MODEL	PL13-INITIAL LIFT	
Nominal load capacity (up to a lifting height of 2,5 m)	1300 kg	
Combined load capacities (2 Europallets)	650 kg on front legs + 650 kg on forks (up to 2,5 m)	
Axle load with load	front	2 / 7
	rear	5 / 7
Axle load without load	front	3 / 4
	rear	1 / 4
Double front rollers size (polyurethane)	ø 80 × 70	
Drive wheel size (polyurethane)	ø 250 × 79	
Additional wheel size (polyurethane)	ø 150 × 50	
Front track	440	
Rear track	560	
Height of tiller in gear position (brake releasing)	min	1000
	max	1315
Travel speed	with load	5,0 km/h
	without load	6,0 km/h
Max gradeability	with load	8%
	without load	18%
Brake	Electromagnetic	
Electronic control type	Mosfet 24V 200A	
Traction motor power (series excite system)	1200 W	
Pump motor power	3000W	
Battery box size (L × W × H)	220 × 820 × 565	

TECHNICAL FEATURES

MOSFET electronic controller up to 24V 200A.
Drive motor with series excite system up to 24V 1400W with electromagnetic brake.

PL13-INITIAL LIFT SERIES - BATTERIES AVAILABLE AND TOTAL COMBINED RESIDUAL CAPACITY AT THE MAX LIFTING HEIGHT

Traction battery	1300 kg	1300 kg	1110 kg	975 kg	830 kg	605 kg	490 kg	N.A.	N.A.	N.A.
24V 180Ah (188 kg)	1300 kg	1300 kg	1155 kg	1030 kg	880 kg	640 kg	520 kg	N.A.	N.A.	N.A.
24V 240Ah (219 kg)	1300 kg	1300 kg	1190 kg	1065 kg	915 kg	670 kg	540 kg	955 kg	835 kg	705 kg.
24V 270Ah (251 kg)	1300 kg	1300 kg	1220 kg	1100 kg	940 kg	690 kg	560 kg	970 kg	850 kg	725 kg.
24V 315Ah (288 kg)	1300 kg	1300 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	
Distance between axle	D07			1404						1454	
Total length	D01	1911			1896				1913		
Length with forks shoulder	D02	771			756				773		
Front distance between axle	D03	302			287				254		
Steering radius	R	1648			1633				1650		
Working isle width	Ast	2171			2156				2173		
Min forks height						90					
Min front legs height						80					
Max lifting height of front legs						200					
Lifting stroke of front legs						120					
Lifting height (1)	D05	1600	2500	2900	3200	3600	4200	4500	4500	5000	5500
GAL lifting height (OPTIONAL)	D08	-	-	-	1600	1800	2100	2255	1658	1824	1990
Mast lowered height (1)	D04	1990	1745	1945	2095	2295	2595	2750	2130	2296	2462
Mast extended height (1)	D06	-	2950	3350	3650	4050	4650	4950	5070	5570	6070
Max extended height (2)	D09	2110	3070	3470	3770	4170	4770	5070	5190	5690	6190
Weight (without battery)	598 kg		729 kg	750 kg	760 kg	787 kg	813 kg	840 kg	959 kg	989 kg	1019 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	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	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	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	0,09 m/s
Forks size	200 × 76 × 1140										
Front legs size	165 × 51 × 1050										

NOTE (1): Without Initial Lift (2): With extended mast and Initial Lift