



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	PL16-INITIAL LIFT	
Nominal load capacity (up to a lifting height of 2,5 m)	1600 kg	
Combined load capacities (2 Europallets)	800 kg on front legs + 800 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)	1400 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.

PL16-INITIAL LIFT SERIES - BATTERIES AVAILABLE AND TOTAL COMBINED 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
Distance between axle	D07	1404									
Total length	D01	1962	1964								
Length with forks shoulder	D02	822	824								
Front distance between axle	D03	302	254								
Steering radius	R	1648	1650								
Working isle width	Ast	2171	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)		623 kg	754 kg	775 kg	785 kg	812 kg	838 kg	865 kg	984 kg	1014 kg	1044 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