



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	PL20	
Load capacity	2000 kg	
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 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	5,0 km/h
	without load	6,0 km/h
Max gradeability	with load	8%
	without load	18%
Brake	Elettromagnetic	
Electronic control type	Mosfet 24V 200A	
Traction motor power (series excite system)	1400 W	
Pump motor power	3000W	
Noise	65 dB	
Battery box size (L × W × H)	220 × 808 × 565	

TECHNICAL FEATURES

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

PL20 SERIES - BATTERIES AVAILABLE AND RESIDUAL CAPACITY AT THE MAX LIFTING HEIGHT

Traction battery 24V 180Ah (188 kg)	2000 kg	2000 kg	1475 kg	1320 kg	1150 kg	870 kg	720 kg	N.A.	N.A.	N.A.
Traction battery 24V 240Ah (219 kg)	2000 kg	2000 kg	1505 kg	1350 kg	1175 kg	895 kg	745 kg	N.A.	N.A.	N.A.
Traction battery 24V 270Ah (251 kg)	2000 kg	2000 kg	1535 kg	1375 kg	1200 kg	915 kg	765 kg	1350 kg	1200 kg	1050 kg
Traction battery 24V 315Ah (288 kg)	2000 kg	2000 kg	1570 kg	1410 kg	1235 kg	950 kg	795 kg	1365 kg	1215 kg	1070 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	2462	
Mast lifting height	D05	1600	2500	2900	3200	3600	4200	4500	4500	5000	5500	
Mast extended height	D06	-	2950	3350	3650	4050	4650	4950	5070	5570	6070	
Distance between axle	D07									1295	1345	
Front distance between axle	D08	399									384	351
Length with forks shoulder	D02	750									735	752
Total length	D01	1890									1875	1892
Steering radius	R	1550									1536	1586
Working isle width	Ast	2150									2135	2152
Weight (without battery)		601 kg	775 kg	801 kg	821 kg	847 kg	896 kg	916 kg	1.135 kg	1.168 kg	1.201 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	W × H × L	200 × 76 × 1140										