



LAST UPDATE: 11/01/2013

NOTE: TRIPLEX masts can be equipped only with battery 24V 270Ah; the removable arm with lifting hook and GAL version are optionals.

GENERAL SPECIFICATIONS

MODEL	PL20 - SLG	
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 (poliurethane)	ø 150 × 50	
Front track	1315	
Rear track	560	
Height of the 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	Electromagnetic	
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

Battery	2000 kg	2000 kg	1475 kg	1320 kg	1150 kg	870 kg	720 kg	N.A.	N.A.	N.A.
Traction battery 24V 180Ah (188 kg)	2000 kg	2000 kg	1505 kg	1350 kg	1175 kg	895 kg	745 kg	N.A.	N.A.	N.A.
Traction battery 24V 240Ah (219 kg)	2000 kg	2000 kg	1535 kg	1375 kg	1200 kg	915 kg	765 kg	1350 kg	1200 kg	1050 kg
Traction battery 24V 270Ah (251 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	Duplex	Triplex	Triplex	
GAL forks lifting height (optional)	D04	-	-	1545	1745	2045	2200	1580	1746	1912	
GAL hook lifting height (optional)	D05	-	-	1735	1935	2235	2390	1770	1936	2102	
Mast lowered height	D06	1990	1742	1942	2092	2292	2592	2747	2130	2296	
Forks lifting height	D07	1565	2461	2861	3161	3561	4161	4461	4461	4961	
Hook lifting height	D08	1750	2650	3050	3350	3750	4350	4650	4650	5150	
Mast extended height	D09	-	2964	3364	3664	4064	4664	4964	5084	5584	
Distance between axle	D03									1293	1343
Length with forks shoulder	D02									798	783
Total length	D01									1998	1983
Steering radius	R									1499	1514
Working isle width	Ast									2198	2183
Weight (without battery)	578 kg		709 kg	730 kg	740 kg	767 kg	794 kg	820 kg	939 kg	969 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					120 × 35 × 1200					