

MANILEC

ES 503/506/509 GPF

ES 711/713/716/720 GPF

ES 713/716 GPFR

Counterbalanced electric stackers

Counterbalanced electric stackers with reach mast



 **MANITOU**

Fixed mast

Code	1	Manufacturer	MANITOU				
			2	Type	ES 503 GPF	ES 506 GPF	ES 509 GPF
Specifications	3	Nominal load capacity	Q	kg	300	600	900
	4	Nominal load center	C	mm	400	400	400
	5	Forks maximum lifting height	h3	mm	See lifting masts table		
Fork	6	Fork type	Adjustable				
	7	Fork length	L3	mm	800	800	800
	8	Minimum external width	B3	mm	120	180	200
	9	Maximum external width	B3	mm	680	680	680
	10	Arm cross section (width x thickness)	A x S1	mm	60x30	90x30	100x35
	11	Distance from ground to fork top, low position	S	mm	35	35	40
Supporting legs	12	External width	B2	mm	923	923	923
	13	Internal width	B1	mm	-	-	-
	14	Distance from ground to leg top, low position	H	mm	-	-	-
	15	Ground clearance (wheelbase center)	G	mm	90	90	95
Dimensions	16	Overall length (*duplex)	L	mm	*1880	*1983	*2098
	17	Length without forks	L4	mm	-	-	-
	18	Overall chassis length at fork heel (*duplex)	L2	mm	*1080	*1183	*1298
	19	Overall width	B2	mm	923	923	923
	20	Chassis width on operators side	B	mm	891	891	891
	21	Overall height (fork lowered/lifted)	h1/h4	mm	See lifting masts table		
	22	Distance from fork back to wheel axis (forward position)	X1	mm	-		
	23	Distance from fork back to wheel axis (retracted position)	X2	mm	-		
	24	Width between load bearing wheels	Spw	mm	828	828	828
	25	Wheelbase (drive wheel to load bearing wheels)	Y	mm	747	850	960
Weight	26	Turning radius	Wa	mm	1047	1142	1244
	27	Counterbalance (*duplex)	D	mm	*97	*97	*102
	28	Net weight with standard duplex 3.3 m mast, without battery		kg	960	1000	1200
Wheels P = polyurethane C = rubber	29	Batteries net weight		kg	180	180	180
	30	Drive & directing wheel (material / Ø x L)		mm	P/250x80	P/250x80	P/250x80
Performances	31	Load bearing wheels (material / Ø x L)		mm	P/150 x 70	P/150 x 70	P/150 x 70
	32	Driving speed : unladen / laden		km/h	5,5 / 4,4	5,5 / 4,2	5,5 / 4
	33	Lifting speed : unladen / laden		cm/s	12,9 / 12	12,9 / 11	12,9 / 10
	34	Lowering speed : unladen / laden		cm/s	18 / 18,7	18 / 19,5	18 / 20,2
	35	Gradient (dry ground) : unladen / laden		%	8 / 5	8 / 5	8 / 5
	36	Stacking aisle with palet 800 x 1200	Ast	mm	2530	2640	2740
Power	37	Drive motor 24 V (S2-60 mn)		W	800	800	800
	38	Speed control		type	Adjustable electronic controller		
	39	Brakes		type	Electromagnetic and auto reverse on controller		
	40	Lifting motor 24 V (S3-10 %)		W	2000	2000	2000
	41	Traction battery 24 V		A/h	180 / 225	180 / 225	180 / 225
	42	Charger with electronic regulation, single phase 220V		Amp	In built 25 A		



