Technical sheet :



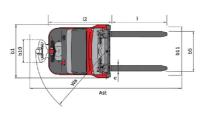


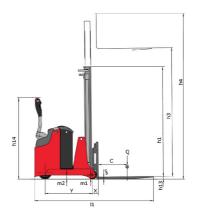


## ES-C 507 Created on April 26, 2024 at 6:10:18 AM UTC

	Technical characteristics		Metric	Imperial
	Manufacturer		Manitou	Manitou
	Model Name		ES 507 GPF - ES-C 507	ES 507 GPF - ES-C 507
	Power source		Electrical	Electrical
	Operator type		Pedestrian	Pedestrian
	Max. capacity	Q	700 kg	1543 lb
	Load center of gravity	C	400 mm	16 in
	Distance from Load backrest to center of rear axle	Х	101 mm	4 in
	Wheelbase	у	932 mm	37 in
	Weight			
	Service weight		1250 kg	2756 lb
	Weight on front axle (laden) / rear axle (laden)		1893 kg / 307 kg	4173 lb / 677 lb
	Weight on front axle (Unladen) / rear axle (Unladen)		820 kg / 680 kg	1808 lb / 1499 lb
	Wheels			
	Tires type		Polyurethane	Polyurethane
	Number of load wheels / Size of load wheels		2 / 150x70	2 / 150x70
	Number of front wheels / rear wheels		1/2	1/2
	Number of drive wheels / Size of drive wheels		1/230x70	1/230x70
	Rear wheel gauge	b11	826 mm	33 in
	Dimensions	511	020 1111	
	Fork height in low position	h13	35 mm	1 in
	Overall length	11	2013 mm	79 in
	Length to face of forks	12	1213 mm	48 in
	Overall width	b1	923 mm	36 in
	Forks section / width / length	s/e/l	30 mm / 90 mm / 800 mm	1 in / 4 in / 31 in
	Fork carriage ISO 2328 (class/form) A/B	3/0/1	2B	2B
	Fork carriage width	b3	750 mm	30 in
	Ground clearance below mast	m1	60 mm	2 in
	Ground clearance at centre of wheelbase	m2	69 mm	2 in 3 in
	Turning radius	Wa	1335 mm	53 in
		wa h14 /		
	Height tiller min. / max.	h14	830 mm / 1385 mm	33 in / 55 in
1	Performances Travel speed (laden / unladen)		4.50 km/h / 4.50 km/h	3 mph / 3 mph
	Lifting speed (laden / unladen)		0.30 m/s / 0.18 m/s	0.98 ft/s / 0.59 ft/s
	Lowering speed (laden / unladen)		0.22 m/s / 0.27 m/s	0.72 ft/s / 0.89 ft/s
	Max Gradeability (laden / unladen)		7 % / 10 %	7 % / 10 %
	Service brake		Electro magnetic	Electro magnetic
	Engine			
	Drive motor rating S2 60 min		1.50 kW	1.50 kW
	Lift motor rating at S3 15%		3 kW	3 kW
	Battery according to DIN 43531/35/36 A, B, C		DIN 43535-B	DIN 43535-B
	Battery voltage / capacity		24 V / 180 Ah	24 V / 180 Ah
	Battery weight (+/- 5%)		189 kg	417 lb
	Miscellaneous			
	Type of drive control		AC	AC

## ES-C 507 - Dimensional drawing





## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	in (mm)	76 (1931)	85.9 (2181)
h2 - Mast free lift	in (mm)	55.9 (1420)	65.7 (1670)
h3 - Mast lifting height	in (mm)	55.9 (1420)	65.7 (1670)
h4 - Mast extended height	in (mm)	81.5 (2070)	91.3 (2320)
Residual capacity at max height	lb (kg)	1543 (700)	1543 (700)

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	in (mm)	76 (1931)	85.9 (2181)	93.7 (2381)
h3 - Mast lifting height	in (mm)	112.2 (2850)	131.9 (3350)	147.6 (3750)
h4 - Mast extended height	in (mm)	137.8 (3500)	157.5 (4000)	173.2 (4400)
Residual capacity at max height	lb (kg)	1543 (700)	1543 (700)	1323 (600)

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	in (mm)	76 (1931)	85.9 (2181)
h2 - Mast free lift	in (mm)	55.9 (1420)	65.7 (1670)
h3 - Mast lifting height	in (mm)	112.2 (2850)	132.1 (3355)
h4 - Mast extended height	in (mm)	137.8 (3500)	157.5 (4000)
Residual capacity at max height	lb (kg)	1543 (700)	1543 (700)

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	in (mm)	77 (1956)
h2 - Mast free lift	in (mm)	54.3 (1380)
h3 - Mast lifting height	in (mm)	163.8 (4160)
h4 - Mast extended height	in (mm)	189.4 (4810)
Residual capacity at max height	lb (kg)	1102 (500)



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