

Technical sheet :

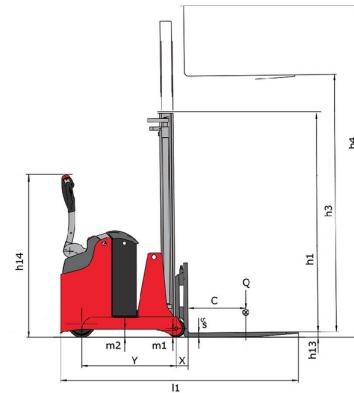
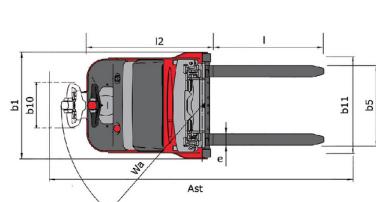
# ES-C 507



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Technical characteristics		Metric	
1.1	Manufacturer	Manitou	
1.2	Model Name	ES-C 507	
1.3	Power source	Electrical - Lead	
1.4	Operator type	Pedestrian	
1.5	Max. capacity	700 kg	
1.6	Load center of gravity	400 mm	
1.8	Distance from Load backrest to center of rear axle	96 mm	
1.9	Wheelbase	932 mm	
<b>Weight</b>			
2.1	Service weight	1250 kg	
2.2	Weight on front axle (laden) / rear axle (laden)	1893 kg / 307 kg	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	820 kg / 680 kg	
<b>Wheels</b>			
3.1	Tires type	Polyurethane cushion	
3.3	Number of load wheels / Size of load wheels	2 / 150x70	
3.5	Number of front wheels / rear wheels	1 / 2	
3.5.2	Number of drive wheels / Size of drive wheels	1/230x70	
3.7	Rear wheel gauge	826 mm	
<b>Dimensions</b>			
4.15	Fork height in low position	35 mm	
4.19	Overall length	2015 mm	
4.20	Length to face of forks	1215 mm	
4.21	Overall width	923 mm	
4.22	Forks section / width / length	30 mm / 100 mm / 800 mm	
4.23	Fork carriage ISO 2328 (class/form) A/B	2B	
4.24	Fork carriage width	750 mm	
4.31	Ground clearance below mast	60 mm	
4.32	Ground clearance at centre of wheelbase	69 mm	
4.33	Aisle Width for pallets 1000 x 1200 crossways	2717 mm	
4.34	Aisle width for 800 x 1200 pallet lengthways	2820 mm	
4.35	Turning radius	1130 mm	
4.9	Height tiller min. / max.	830 mm / 1385 mm	
<b>Performances</b>			
5.1	Travel speed (laden / unladen)	6 km/h / 6 km/h	
5.2	Lifting speed (laden / unladen)	0.18 m/s / 0.30 m/s	
5.3	Lowering speed (laden / unladen)	0.27 m/s / 0.22 m/s	
5.8	Max Gradeability (laden / unladen)	7 % / 10 %	
5.10	Service brake	Electro magnetic	
<b>Engine</b>			
6.1	Drive motor rating S2 60 min	1.50 kW	
6.2	Lift motor rating at S3 15%	3 kW	
6.3	Battery according to DIN 43531/35/36 A, B, C	DIN 43535-B	
6.4	Battery voltage / capacity	24 V / 180 Ah	
6.5	Battery weight (+/- 5%)	175 kg	
<b>Miscellaneous</b>			
8.1	Type of drive control	AC	
8.4	Sound level at the driver's ear according to DIN 12 053	65 dB	

## ES-C 507 - Dimensional drawing



## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)	CCS 15	CCS 17
α - Mast/fork carriage tilt, forward °	4	4
β - Mast/fork carriage tilt, backward °	6	6
h1 - Mast lowered height mm	1931	2181
h2 - Mast free lift mm	1420	1670
h3 - Mast lifting height mm	1420	1670
h4 - Mast extended height mm	2070	2320
Residual capacity at max height kg	700	700

Full Visibility Duplex (FVD)	FVD 29	FVD 34	FVD 38
α - Mast/fork carriage tilt, forward °	4	4	4
β - Mast/fork carriage tilt, backward °	6	6	6
h1 - Mast lowered height mm	1931	2181	2381
h3 - Mast lifting height mm	2850	3350	3750
h4 - Mast extended height mm	3500	4000	4400
Residual capacity at max height kg	700	700	600

Free Lift Duplex (FLD)	FLD 29	FLD 34
α - Mast/fork carriage tilt, forward °	4	4
β - Mast/fork carriage tilt, backward °	6	6
h1 - Mast lowered height mm	1931	2181
h2 - Mast free lift mm	1420	1670
h3 - Mast lifting height mm	2850	3355
h4 - Mast extended height mm	3500	4000
Residual capacity at max height kg	700	700

Free Lift Triplex (FLT)	FLT 42
α - Mast/fork carriage tilt, forward °	4
β - Mast/fork carriage tilt, backward °	6
h1 - Mast lowered height mm	1956
h2 - Mast free lift mm	1380
h3 - Mast lifting height mm	4160
h4 - Mast extended height mm	4810
Residual capacity at max height kg	500



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