Technical sheet :







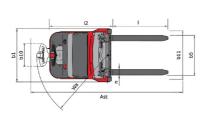
Ichnical characteristics         11       Manufacturer         12       Model Name         13       Power source         14       Operator type         15       Max. capacity         16       Load center of gravity         18       Distance from Load backrest to center of rear axle         19       Wheelbase         Wielpht       Service weight         Wheelbase       Weight         2.1       Service weight         Wheelbase       Number of load wheels / Size of load wheels         3.3       Number of front wheels / Size of load wheels         3.5.2       Number of front wheels / Size of drive wheels         3.5.2       Number of front wheels / Size of drive wheels         3.5.2       Number of front wheels / Size of drive wheels         3.5.2       Number of the wheels / Size of drive wheels         3.5.2       Number of the wheels / Size of drive wheels         3.5.2       Number of the wheels / Size of drive wheels         3.5.2       Number of the wheels / Size of drive wheels         3.5.2       Number of the wheels / Size of drive wheels         3.5.2       Number of the wheels / Size of drive wheels         3.5.2       Number of the drive wheels         3.5 </th <th></th> <th></th>		
1.2     Model Name       1.3     Power source       1.4     Operator type       1.5     Max. capacity       1.6     Load center of gravity       1.8     Distance from Load backrest to center of rear axle       1.9     Wheelbase       2.1     Service weight       3.3     Number of load wheels / Size of load wheels       3.3     Number of font wheels / Size of load wheels       3.5     Number of drive wheels / Size of drive wheels       3.7     Rear wheel gauge       0     Dimensions       4.19     Overall length       4.20     Length to face of forks       4.21     Fork section / width / length       4.22     Fork section / width / length       4.23     Fork carriage Width       4.31     Ground clearance below mast       4.32     Ground clearance below mast       4.33     Ground clearance below mast       4.34     Fork carriage width       5.3     Lowering speed (laden / unladen)       5.4     Laden / unladen)       5.5     Battery according S2 00 min       6.3     Battery voltage / capacity       6.3     Battery weight (+/ 5%)       6.4     Battery weight (+/ 5%)       6.5     Battery weight (+/ 5%)		Technical characteristics
1.3     Power source       1.4     Operator type       1.5     Max. capacity       1.6     Load center of gravity       1.8     Distance from Load backrest to center of rear axle       1.9     Wheelbase       Wight       2.1       Service weight       Mumber of load wheels / Size of load wheels       3.1     Tires type       3.3     Number of front wheels / rear wheels       3.5     Number of front wheels / Size of drive wheels       3.5     Number of drive wheels / Size of drive wheels       3.5     Number of drive wheels / Size of drive wheels       3.6     Number of drive wheels / Size of drive wheels       3.7     Rear wheel gauge       Dimension       415       Fork height in low position       4.15     Fork height in low position       4.20     Longth to face of forks       4.21     Overall length       4.22     Fork camage width       4.33     Ground clearance below mast       4.34     Ground clearance at center of wheelbase       4.35     Turning radius       4.34     Fork camage width       5.3     Lowering speed (laden / unladen)       5.4     Turning radius		
1.4     Operator type       1.5     Max. capacity       1.6     Load center of gravity       1.8     Distance from Load backrest to center of rear axle       1.9     Wheelbase       2.1     Service weight       2.1     Service weight       3.3     Number of load wheels / Size of load wheels       3.5     Number of dire wheels / Fear wheels       3.5     Number of dire wheels / Size of dire wheels       3.7     Rear wheel gauge       1     Dimensions       2     Dimensions       3.1     Fork height in low position       4.15     Fork keight in low position       4.19     Overall width       4.20     Length to face of forks       4.21     Overall width       4.22     Fork camiage lSO 2328 (class/form) A/B       4.23     Ground clearance elaw mast       4.31     Ground clearance elaw mast       4.32     Ground clearance elaw mast       4.33     Ground clearance elaw mast       4.34     Fork camiage width       4.35     Turning radius       4.36     Ground clearance elaw mast       5.37     Tarel speed (laden / unladen)       5.4     Tarel speed (laden / unladen)       5.3     Lowering speed (laden / unladen)       5		
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1.8       Distance from Load backrest to center of rear axle         1.9       Wheelbase         1.9       Wheelbase         2.1       Service weight         Wheelb       Standard Sta	1.5	Max. capacity
1.9     Wheelbase       2.1     Service weight       Wheels       3.1     Tires type       3.3     Number of load wheels / Size of load wheels       3.5     Number of front wheels / Size of drive wheels       3.5     Number of front wheels / Size of drive wheels       3.5     Number of drive wheels / Size of drive wheels       3.5     Number of drive wheels / Size of drive wheels       3.7     Rear wheel gauge       Dimensions     Image: Size of drive wheels       4.15     Fork height in low position       4.19     Overall length       4.20     Length to face of forks       2.21     Overall width       4.22     Fork carriage ISO 2328 (class/form) A/B       4.23     Fork carriage size of wheelbase       4.24     Fork carriage width       4.31     Ground clearance bactente of wheelbase       4.32     Ground clearance at centre of wheelbase       4.33     Turming radius       4.34     Forformanceat       5.3     Lowening speed (laden / unladen)       5.4     Service brake       5.1     Service brake       5.1     Service brake       5.2     Lifting speed (laden / unladen)       5.3     Lowening S2 60 min       6.4     Battery woltage / capacity </td <td>1.6</td> <td>Load center of gravity</td>	1.6	Load center of gravity
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Wheels         3.1       Tires type         3.3       Number of food wheels / Size of load wheels         3.5       Number of fort wheels / Far wheels         3.5.2       Number of fort wheels / Size of drive wheels         3.7       Rear wheel gauge         Dimensions         4.15       Fork height in low position         4.19       Overall length         4.20       Length to face of forks         4.21       Overall width         4.22       Fork section / width / length         4.23       Fork carriage lSO 2328 (class/form) A/B         4.24       Fork carriage width         4.31       Ground clearance below mast         4.32       Ground clearance at centre of wheelbase         4.35       Tuming radius         4.9       Height tiller min. / max.         Performances       Itrius speed (laden / unladen)         5.1       Travel speed (laden / unladen)         5.3       Lowering Speed (laden / unladen)         5.4       Drive motor rating S2 50 min         6.1       Drive motor rating S2 50 min         6.2       Lift motor rating S2 50 min         6.3       Battery weight (+/- 5%)         6.4       Battery weight (+/- 5%)     <		Weight
3.1       Tires type         3.3       Number of load wheels / Size of load wheels         3.5       Number of front wheels / Size of drive wheels         3.5.2       Number of drive wheels / Size of drive wheels         3.7       Rear wheel gauge         Uimersions         4.15       Fork height in low position         4.19       Overall width         4.20       Length to face of forks         4.21       Overall width         4.22       Fork section / width / length         4.23       Fork carriage ISO 2328 (class/form) A/B         4.24       Fork carriage width         4.31       Ground clearance at centre of wheelbase         4.35       Turning radius         4.36       Turning radius         4.37       Height tiller min. / max.         Performances       Ifting speed (laden / unladen)         5.3       Lovering speed (laden / unladen)         5.4       Battery woltage / capacity         6.3       Battery woltage / capacity         6.5	2.1	Service weight
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3.7     Rear wheel gauge       Dimensions       4.15     Fork height in low position       4.19     Overall length       4.20     Length to face of forks       4.21     Overall width       4.22     Forks section / width / length       4.23     Fork carriage ISO 2328 (class/form) A/B       4.24     Fork carriage width       4.31     Ground clearance below mast       4.32     Ground clearance at centre of wheelbase       4.33     Turning radius       4.34     Fork carriage width       4.35     Turning radius       4.36     Turning radius       4.37     Ground clearance at centre of wheelbase       4.38     Turning radius       4.39     Height tiller min. / max.       9     Height tiller min. / max.       9     Height tiller min. / max.       9     Service brake       5.1     Travel speed (laden / unladen)       5.2     Lifting speed (laden / unladen)       5.3     Lowering speed (laden / unladen)       5.4     Service brake       6.1     Drive motor rating at S3 15%       6.2     Lift motor rating at S3 15%       6.3     Battery according to DIN 43531/35/36 A, B, C       6.4     Battery voltage / capacity       6.5	3.5	Number of front wheels / rear wheels
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5.8     Max Gradeability (laden / unladen)       5.10     Service brake       Engine     6.1       6.1     Drive motor rating S2 60 min       6.2     Lift motor rating at S3 15%       6.3     Battery according to DIN 43531/35/36 A, B, C       6.4     Battery voltage / capacity       6.5     Battery weight (+/- 5%)       Miscellaneous     1       8.1     Type of drive control	5.2	Lifting speed (laden / unladen)
5.10     Service brake       Engine       6.1     Drive motor rating S2 60 min       6.2     Lift motor rating at S3 15%       6.3     Battery according to DIN 43531/35/36 A, B, C       6.4     Battery voltage / capacity       6.5     Battery weight (+/- 5%)       Miscellaneous       8.1     Type of drive control	5.3	Lowering speed (laden / unladen)
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6.2     Lift motor rating at S3 15%       6.3     Battery according to DIN 43531/35/36 A, B, C       6.4     Battery voltage / capacity       6.5     Battery weight (+/- 5%)       Miscellaneous       8.1     Type of drive control		Engine
6.3     Battery according to DIN 43531/35/36 A, B, C       6.4     Battery voltage / capacity       6.5     Battery weight (+/- 5%)       Miscellaneous       8.1     Type of drive control	6.1	Drive motor rating S2 60 min
6.4     Battery voltage / capacity       6.5     Battery weight (+/- 5%)       Miscellaneous       8.1     Type of drive control	6.2	Lift motor rating at S3 15%
6.5     Battery weight (+/- 5%)       Miscellaneous       8.1     Type of drive control	6.3	Battery according to DIN 43531/35/36 A, B, C
Miscellaneous           8.1         Type of drive control	6.4	Battery voltage / capacity
8.1 Type of drive control	6.5	Battery weight (+/- 5%)
		Miscellaneous
8.4 Sound level at the driver's ear according to DIN 12 053	8.1	Type of drive control
	8.4	Sound level at the driver's ear according to DIN 12 053

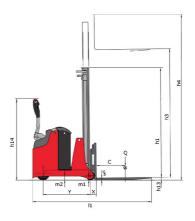
ES-C 504	<b>a</b> Created on May 9, 2024 at 9:53:40 AM UTC
	Metric
	Manitou
	ES 504 GPF
	Electrical
	Pedestrian
Q	400 kg
C	400 mm
Х	96 mm
у	817 mm
	1120 kg
	Polyurethane
	2 / 150x70
	1/2
	1/230x70
b11	826 mm
h13	35 mm
11	1898 mm
12	1098 mm
b1	923 mm
s / e / l	30 mm / 60 mm / 800 mm
	2B
b3	750 mm
m1	60 mm
m2	69 mm
Wa	1220 mm
h14 / h14	830 mm / 1385 mm
	4.50 km/h / 4.50 km/h
	0.30 m/s / 0.18 m/s
	0.22 m/s / 0.27 m/s
	7 % / 10 %
	Electro magnetic
	1.50 kW
	3 kW
	DIN 43535-B
	24 V / 180 Ah
	189 kg
	AC
	65 dB

UTC

at 0.52.40 ANA

## ES-C 504 - Dimensional drawing





## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
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	400	400

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
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	400	400	300

Free Lift Duplex (FLD)		FLD 29	FLD 34
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	400	400

Free Lift Triplex (FLT)		FLT 42
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	200



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