Technical sheet :



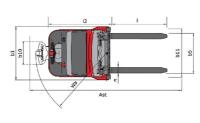


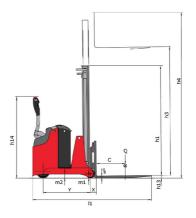


1.1   Manufacturer     1.2   Model Name     1.3   Power source     1.4   Operator type     1.5   Max. capacity     1.6   Load center of gravity     1.8   Distance from Load backrest to center of rear axle     1.9   Wheelbase     Weight   Service weight     3.1   Tires type     3.3   Number of load wheels / Size of load wheels     3.5   Number of front wheels / rear 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 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     3.6   Dimensione     4.19   Overall length     4.20   Length to face of forks     4.21   Ork carriage ISO 2328 (class/form) A/B     4.22   Fork carriage ISO 2328 (class/form) A/B     4.23   Ford carriage ISO 2328 (class/form) A/B     4.24   Fo		Technical characteristics	
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     Wheelbase     Wheelbase     Wheelbase     Vheelbase     Start of load wheels / Size of load wheels     3.1   Tires type     3.3   Number of food wheels / Size of load wheels     3.5.2   Number of fortw wheels / Size of drive wheels     3.5.2   Number of food wheels / Size of drive wheels     3.7   Rear wheel gauge     Dimensions     Overall length     4.20   Length to face of forks     4.21   Overall width     4.22   Fork carriage ISO 2328 (class/form) A/B     4.23   Fork carriage width     4.31   Ground clearance below mast     4.32   Ground clearance at centre of wheelbase     4.33   Aisle Width for 800 x 1200 crossways     4.34   Aisle width for 800 x 1200 crossways	11		
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     Wheels   Number of load wheels / Size of load wheels     3.3   Number of fort wheels / Fize of drive wheels     3.5   Number of fort wheels / Size of drive wheels     3.5.2   Number of drive wheels / Size of drive wheels     3.7   Rear wheel gauge     Dimension   Dimension     4.19   Overall length     4.22   Fork section / width / length     4.23   Fork carriage ISO 2328 (class/form) A/B     4.24   Fork carriage width     4.33   Aisle width for pallet lengthways     4.34   Ground clearance at centre of wheelbase     4.35   Tuming radius     4.36   Hort for aluden)     5.2   Lifting speed (lader / unladen)     5.3   Luweing speed (lader / unladen)     5.4   Battery woitage 26 0 min     5.10   Service brake     Engine <th></th> <td></td>			
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     Weight     Weight     Wheelbase     Weight     Wheelbase     Wheelbase     Wheelbase     Wheelbase     Wheelbase     Wheelbase     Wheelbase     State of load wheels     State of load wheels     State of drive wheels / Size of load wheels     State of drive wheels / Size of drive wheels     State of drive wheels / Size of drive wheels     State of drive wheels / Size of drive wheels     State of drive wheels / Size of drive wheels     State of drive wheels / Size of frive wheels     State of drive wheels / Size of frive wheels     State of drive wheels     State of drive wheels     State of drive wheels     State of drive heelba state			
1.5   Max. capacity     1.6   Load center of gravity     1.8   Distance from Load backrest to center of rear axle     1.9   Wheelbase     Velight     Start of drive wheels / Size of load wheels     3.5     Number of front wheels / Size of drive wheels     Start of drive wheels / Size of drive wheels     3.7     Rear wheel gauge     Dimensions     Oreal length     4.20     Length to face of forks     4.21     Overall width <td col<="" td=""><th></th><td></td></td>	<th></th> <td></td>		
1.6 Load center of gravity   1.8 Distance from Load backrest to center of rear axle   1.9 Wheelbase   Weight Service weight   2.1 Service weight   Wheels Number of load wheels / Size of load wheels   3.1 Tires type   3.3 Number of dive wheels / Size of drive wheels   3.5 Number of drive wheels / Size of drive wheels   3.7 Rear wheel gauge <b>Dimensions</b> 4.19 Overall width   4.20 Length to face of forks   4.21 Overall width   4.22 Fork carriage SiO 2328 (class/form) A/B   4.23 Fork carriage width   4.31 Ground clearance at cente of wheelbase   4.33 Aisle width for pallets 1000 x 1200 crossways   4.34 Aisle width for apalet i tono x 1200 crossways   4.35 Tuming radius   4.9 Height Willer min. / max.   Performances Sile   5.1 Travel speed (laden / unladen)   5.2 Lifting speed (laden / unladen)   5.3 Service brake   Engine Common   6.3 Battery weight (-/- 5%)   Miscellaneous Sile Sile			
1.8   Distance from Load backrest to center of rear axle     1.9   Wheelbase     2.1   Service weight     Wheels   Image: Service weight     3.1   Tires type     3.3   Number of load wheels / Size of load wheels     3.5   Number of from wheels / rear wheels     3.5.2   Number of drive wheels / Size of drive wheels     3.7   Rear wheel gauge     Dimensions   Dimensions     4.19   Overall length     4.20   Length to face of forks     4.21   Overall width     4.22   Fork carriage ISO 2232 (class/form) A/B     4.23   Fork carriage ISO 2232 (class/form) A/B     4.31   Ground clearance below mast     4.32   Ground clearance there of wheelbase     4.33   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width of work 1200 crossways     4.35   Turning radius     4.39   Height tiller min. / max.     Performances   Engline     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering S26 0 min  <			
1.9   Wheelbase     Weight   Weight     2.1   Service weight     Wheels   Number of load wheels / Size of load wheels     3.3   Number of front wheels / Size of load wheels     3.5   Number of front wheels / Size of drive wheels     3.7   Rear wheel gauge     Dimensions   Dimensions     4.19   Overall length     4.20   Length to face of forks     4.21   Overall width     4.22   Fork carriage ISO 2232 (class/form) A/B     4.23   Fork carriage width     4.31   Ground clearance below mast     4.32   Ground clearance below mast     4.33   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for 3000 x 1200 pallet lengthways     4.35   Turning radius     4.36   Lifting speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Service brake     5.4   Drive motor rating 32 50 min     6.5   Battery weight (4/- 5%)     Miscellaneous   Jifting cleacring 15%     6.3   Battery weight (4/- 5%)     Miscelan			
Weight     2.1   Service weight     Wheels   Ites type     3.3   Number of load wheels / Size of load wheels     3.5   Number of front wheels / rear wheels     3.5.2   Number of drive wheels / Size of drive wheels     3.7   Rear wheel gauge     Dimensions   Overall length     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 width     4.31   Ground clearance below mast     4.32   Ground clearance below mast     4.33   Aisle width for pallets 1000 x 1200 crossways     4.34   Side width for 800 x 1200 pallet lengthways     4.35   Tuming radius     4.9   Height tiller min. / max.     Performances   Performances     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering at \$315%     6.1   Drive motor rating 32 60 min     6.2   Lift motor rating 32 60 min     6.3   Battery weight (4/- 5%)			
2.1   Service weight     Wheels     3.3   Number of load wheels / Size of load wheels     3.5   Number of front wheels / rear wheels     3.5.2   Number of drive wheels / Size of drive wheels     3.7   Rear wheel gauge     Dimensions   Dimensions     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 lS0 2328 (class/form) A/B     4.24   Fork carriage width     4.31   Ground clearance below mast     4.32   Ground clearance below mast     4.33   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Tuming radius     4.9   Height tiller min. / max.     Performances   Iffing speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Drive motor rating S2 60 min     6.1   Drive motor rating S2 60 min     6.2   Lift motor rating S2 60 min	1.9		
Wheels     3.1   Tires type     3.3   Number of load wheels / Size of load wheels     3.5   Number of front wheels / Fear wheels     3.5.2   Number of drive wheels / Size of drive wheels     3.7   Rear wheel gauge     Dimensions     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 ISO 2328 (class/form) A/B     4.24   Fork carriage width     4.31   Ground clearance at centre of wheelbase     4.33   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Turning radius     4.9   Height tiller min. / max.     Performances   Dimences     5.1   Tarel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Britery accorating 52 60 min     6.1   Drive motor rating 52 60 min     6.2   Lift motor rating 52 60 min     6.3   Battery wo			
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     Dimensions     0   Unensions     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 ISO 2328 (class/form) A/B     4.24   Fork carriage width     4.31   Ground clearance below mast     4.32   Ground clearance below mast     4.33   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Turning radius     4.36   Height tiller min. / max.     Performances   Ifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Engine     6.1   Drive motor rating 32 50 min     6.2   Lift motor rating at S3 15% <td< td=""><th>2.1</th><td>-</td></td<>	2.1	-	
3.3   Number of load wheels / Size of load wheels     3.5   Number of front wheels / Fize of drive wheels     3.5   Number of drive wheels / Size of drive wheels     3.7   Rear wheel gauge     Dimensions   Dimensions     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 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   Aisle width for s00 x 1200 pallet lengthways     4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Tuming radius     4.36   Height tiller min. / max.     Performances   Ifting speed (laden / unladen)     5.1   Travel speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Engine     6.1   Drive motor rating S2 60 min     6.2   Lift motor rating S1 5%     6.3   Battery wordigt / capacity     6.5   Battery w			
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     Dimensions   Dimensions     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 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   Aisle width for 800 x 1200 crossways     4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Turning radius     4.9   Height tiller min. / max.     Performances   Performances     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Drive motor rating at S3 15%     6.1   Drive motor rating s2 50 min     6.2   Lift motor rating at S3 15%     6.3   Battery woltage / capacity     6.4   Battery woltage / c	3.1		
3.5.2   Number of drive wheels / Size of drive wheels     3.7   Rear wheel gauge     Dimensions   Dimensions     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 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     4.33   Aisle width for solox 1200 crossways     4.34   Aisle width for solox 1200 pallet lengthways     4.35   Tuming radius     4.39   Height tiller min. / max.     Performances   Performances     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Drive motor rating st 260 min     5.10   Service brake     Engine   Piter min.     6.1   Drive motor rating st 260 min     6.2   Lift motor rating at S3 15%     6.3   Battery according to DIN 43531/35/36 A, B, C	3.3	Number of load wheels / Size of load wheels	
3.7   Rear wheel gauge     Jimensions     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 ISO 2328 (class/form) A/B     4.31   Ground clearance below mast     4.32   Ground clearance at centre of wheelbase     4.33   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for s00 x 1200 pallet lengthways     4.35   Turning radius     4.9   Height tiller min. / max.     Performances   Parformances     5.1   Travel speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Service brake     Engine   Paletor rating 32 60 min     6.1   Drive motor rating S2 60 min     6.2   Lift motor rating 32 15%     6.3   Battery according to DIN 43531/35/36 A, B, C     6.4   Battery woitage / capacity     6.5   Battery weight (+/- 5%)	3.5	Number of front wheels / rear wheels	
Dimensions     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   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Turning radius     4.9   Height tiller min. / max.     Performances   Itravel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Drive motor rating 32 60 min     6.1   Drive motor rating 32 50 min     6.2   Lift motor rating 32 51 75%     6.3   Battery according to DIN 43531/35/36 A, B, C     6.4   Battery woltage / capacity     6.5   Battery weight (+/- 5%)     Miscellaneous   Miscellaneous		Number of drive wheels / Size of drive wheels	
4.19Overall length4.20Length to face of forks4.21Overall width4.22Forks section / width / length4.23Fork carriage ISO 2328 (class/form) A/B4.24Fork carriage width4.31Ground clearance below mast4.32Ground clearance below mast4.33Aisle Width for pallets 1000 x 1200 crossways4.34Aisle width for 800 x 1200 pallet lengthways4.35Turning radius4.39Height tiller min. / max.Performances5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.4Battery according to S115%6.1Drive motor rating st2 60 min6.2Lift motor rating at S3 15%6.3Battery according to D1N 43531/35/36 A, B, C6.4Battery weight (+/- 5%)Miscellaneous	3.7		
4.20Length to face of forks4.21Overall width4.22Forks section / width / length4.23Fork carriage ISO 2328 (class/form) A/B4.24Fork carriage width4.31Ground clearance below mast4.32Ground clearance below mast4.33Aisle Width for pallets 1000 x 1200 crossways4.34Aisle width for s00 x 1200 pallet lengthways4.35Tuming radius4.9Height tiller min. / max.Performances5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.4Service brake6.1Drive motor rating S2 60 min6.2Lift motor rating at S3 15%6.3Battery according to DIN 43531/35/36 A, B, C6.4Battery voltage / capacity6.5Battery weight (+/- 5%)Miscellaneous		Dimensions	
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   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Turning radius     4.9   Height tiller min. / max.     Performances   Ifting speed (laden / unladen)     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Battery according to DIN 43531/35/36 A, B, C     6.3   Battery voltage / capacity     6.5   Battery weight (+/- 5%)     Miscellaneous   Miscellaneous	4.19	Overall length	
4.22Forks section / width / length4.23Fork carriage ISO 2328 (class/form) A/B4.24Fork carriage width4.31Ground clearance below mast4.32Ground clearance at centre of wheelbase4.33Aisle Width for pallets 1000 x 1200 crossways4.34Aisle width for 800 x 1200 pallet lengthways4.35Turning radius4.9Height tiller min. / max.Performances5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.8Max Gradeability (laden / unladen)5.8Service brake6.1Drive motor rating \$2.60 min6.2Lift motor rating at \$3.15%6.3Battery according to DIN 43531/35/36 A, B, C6.4Battery voltage / capacity6.5Battery weight (+/- 5%)Miscellaneous	4.20	Length to face of forks	
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   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for pallets 1000 x 1200 crossways     4.35   Tuming radius     4.9   Height tiller min. / max.     Performances   Performances     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Battery action trating \$2.60 min     6.1   Drive motor rating \$2.60 min     6.2   Lift motor rating at \$3.15%     6.3   Battery according to DIN 43531/35/36 A, B, C     6.4   Battery weight (+/- 5%)     Miscellaneous   Miscellaneous	4.21	Overall width	
4.24   Fork carriage with     4.31   Ground clearance below mast     4.32   Ground clearance at centre of wheelbase     4.33   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Tuming radius     4.9   Height tiller min. / max.     Performances   Performances     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.10   Service brake     Engine   Engine     6.1   Drive motor rating \$2 60 min     6.2   Lift motor rating \$2 50 min     6.3   Battery according to DIN 43531/35/36 A, B, C     6.4   Battery weight (+/- 5%)     Miscellaneous   Miscellaneous	4.22	Forks section / width / length	
4.31   Ground clearance below mast     4.32   Ground clearance at centre of wheelbase     4.33   Aisle Width for pallets 1000 x 1200 crossways     4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Tuming radius     4.9   Height tiller min. / max.     Performances     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Service brake     Engine     6.1   Drive motor rating \$2 60 min     6.2   Lift motor rating at \$3 15%     6.3   Battery according to DIN 43531/35/36 A, B, C     6.4   Battery weight (+/- 5%)     Miscellaneous   Miscellaneous	4.23	Fork carriage ISO 2328 (class/form) A/B	
4.32Ground clearance at centre of wheelbase4.33Aisle Width for pallets 1000 x 1200 crossways4.34Aisle width for 800 x 1200 pallet lengthways4.35Tuming radius4.9Height tiller min. / max.Performances5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.4Service brakeEngine6.1Drive motor rating \$2 60 min6.2Lift motor rating at \$3 15%6.3Battery according to DIN 43531/35/36 A, B, C6.4Battery voltage / capacity6.5Battery weight (+/- 5%)Miscellaneous	4.24	Fork carriage width	
4.33Aisle Width for pallets 1000 x 1200 crossways4.34Aisle width for 800 x 1200 pallet lengthways4.35Tuming radius4.9Height tiller min. / max.Performances5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.4Service brakeEngine6.1Drive motor rating \$2 60 min6.2Lift motor rating at \$3 15%6.3Battery according to DIN 43531/35/36 A, B, C6.4Battery voltage / capacity6.5Battery weight (+/- 5%)Miscellaneous	4.31	Ground clearance below mast	
4.34   Aisle width for 800 x 1200 pallet lengthways     4.35   Tuming radius     4.9   Height tiller min. / max.     Performances     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Bate get (laden / unladen)     5.5   Max Gradeability (laden / unladen)     5.10   Service brake     Engine     6.1   Drive motor rating \$2 60 min     6.2   Lift motor rating at \$3 15%     6.3   Battery according to DIN 43531/35/36 A, B, C     6.4   Battery voltage / capacity     6.5   Battery weight (+/- 5%)     Miscellaneous   Miscellaneous	4.32	Ground clearance at centre of wheelbase	
4.35   Tuming radius     4.9   Height tiller min. / max.     Performances   Image: Second	4.33	Aisle Width for pallets 1000 x 1200 crossways	
4.9   Height tiller min. / max.     Performances     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Max Gradeability (laden / unladen)     5.7   Service brake     Engine     6.1   Drive motor rating \$2 60 min     6.2   Lift motor rating at \$3 15%     6.3   Battery according to DIN 43531/35/36 A, B, C     6.4   Battery voltage / capacity     6.5   Battery weight (+/- 5%)     Miscellaneous   Miscellaneous	4.34	Aisle width for 800 x 1200 pallet lengthways	
Performances     5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.4   Max Gradeability (laden / unladen)     5.7   Service brake     Engine     6.1   Drive motor rating \$2.60 min     6.2   Lift motor rating at \$3.15%     6.3   Battery according to DIN 43531/35/36 A, B, C     6.4   Battery voltage / capacity     6.5   Battery weight (+/- 5%)     Miscellaneous   Miscellaneous	4.35	Tuming radius	
5.1   Travel speed (laden / unladen)     5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.8   Max Gradeability (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   Miscellaneous	4.9	Height tiller min. / max.	
5.2   Lifting speed (laden / unladen)     5.3   Lowering speed (laden / unladen)     5.8   Max Gradeability (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   Miscellaneous		Performances	
5.3   Lowering speed (laden / unladen)     5.8   Max Gradeability (laden / unladen)     5.10   Service brake     Engine     6.1   Drive motor rating \$2.60 min     6.2   Lift motor rating at \$3.15%     6.3   Battery according to DIN 43531/35/36 A, B, C     6.4   Battery voltage / capacity     6.5   Battery weight (+/- 5%)     Miscellaneous	5.1	Travel speed (laden / unladen)	
5.8 Max Gradeability (laden / unladen)   5.10 Service brake   Engine Engine   6.1 Drive motor rating \$2.60 min   6.2 Lift motor rating at \$3.15%   6.3 Battery according to DIN 43531/35/36 A, B, C   6.4 Battery voltage / capacity   6.5 Battery weight (+/- 5%)   Miscellaneous	5.2	Lifting speed (laden / unladen)	
5.10 Service brake   Engine   6.1 Drive motor rating \$2.60 min   6.2 Lift motor rating at \$3.15%   6.3 Battery according to DIN 43531/35/36 A, B, C   6.4 Battery voltage / capacity   6.5 Battery weight (+/- 5%)   Miscellaneous	5.3	Lowering speed (laden / unladen)	
Engine   6.1 Drive motor rating \$2.60 min   6.2 Lift motor rating at \$3.15%   6.3 Battery according to DIN 43531/35/36 A, B, C   6.4 Battery voltage / capacity   6.5 Battery weight (+/- 5%)   Miscellaneous	5.8	Max Gradeability (laden / unladen)	
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	5.10	Service brake	
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		Engine	
6.3 Battery according to DIN 43531/35/36 A, B, C   6.4 Battery voltage / capacity   6.5 Battery weight (+/- 5%)   Miscellaneous	6.1	Drive motor rating S2 60 min	
6.4 Battery voltage / capacity   6.5 Battery weight (+/- 5%)   Miscellaneous	6.2	Lift motor rating at S3 15%	
6.5 Battery weight (+/- 5%)   Miscellaneous	6.3	Battery according to DIN 43531/35/36 A, B, C	
Miscellaneous	6.4	Battery voltage / capacity	
	6.5	Battery weight (+/- 5%)	
		Miscellaneous	
8.1 I ype of drive control	8.1	Type of drive control	
8.4 Sound level at the driver's ear according to DIN 12 053	8.4	Sound level at the driver's ear according to DIN 12 053	

ES-C 51	• Created on August 12, 2025 at 7:09 PM UTC
	Metric
	Manitou
	ES-C 510
	Electrical
	Pedestrian
Q	1000 kg
c	500 mm
x	101 mm
y	1047 mm
,	
	1400 kg
	Polyurethane
	2 / 150x70
	1/2
	1/230x70
b11	826 mm
511	
1	2285 mm
12	1335 mm
b1	923 mm
s/e/l	30 mm / 90 mm / 950 mm
37071	2B
b3	750 mm
m1	60 mm
m2	69 mm
Ast	2825 mm
Ast	2935 mm
Wa	1360 mm
h14 / h14	830 mm / 1385 mm
	6 km/h / 6 km/h
	0.18 m/s / 0.30 m/s
	0.27 m/s / 0.22 m/s
	7 % / 10 %
	Electro magnetic
	1.50 kW
	3 kW
	DIN 43535-B
	24 V / 180 Ah
	175 kg
	AC
	65 dB

## ES-C 510 - Dimensional drawing





## ES-C 510 Created on August 12, 2025 at 7:09 PM UTC

## Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
α - Mast/fork carriage tilt, forward	۰	4	4
$\beta$ - Mast/fork carriage tilt, backward	٥	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	1000	1000

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
α - Mast/fork carriage tilt, forward	۰	4	4	4
$\beta$ - Mast/fork carriage tilt, backward	٥	б	б	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	1000	1000	900

Free Lift Duplex (FLD)		FLD 29	FLD 34
a - Mast/fork carriage tilt, forward	۰	4	4
$\beta$ - Mast/fork carriage tilt, backward	٥	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	1000	1000

Free Lift Triplex (FLT)		FLT 42
α - Mast/fork carriage tilt, forward	۰	4
β - Mast/fork carriage tilt, backward	۰	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	800



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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