Technical sheet:

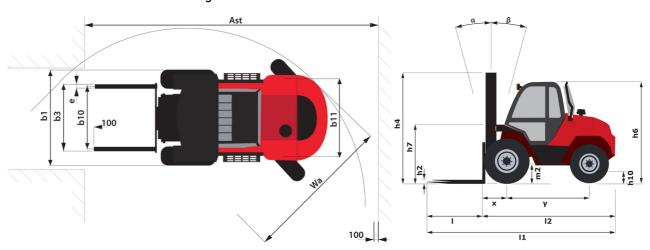
## M 30-4 D ST5





Technical characteristics
1.2 Model Name         M3 04 D STS           1.3 Power source         Diesel           1.4 Operator type         Seated           1.5 Max. capacity         Q         30000 kg           1.6 Load center of gravity         x         500 mm           1.8 Velopit         x         747 mm           1.9 Wheelbase         y         1995 mm           1.0 Weight         y         1995 mm           2.1 Service weight (Modeln) / rear axle (Idden)         7490 kg / 1475 kg         215 kg / 3810 kg           2.2 Weight on front axle (Idden) / rear axle (Idden)         7490 kg / 1475 kg         215 kg / 3810 kg         7490 kg / 1475 kg           2.3 Dimensions of front wheels         40570-20 1498 1323         105 kg / 3810 kg         7490 kg / 1475 kg         105 kg / 3810 kg
Diesel   Diesel
1.4.         Operator type         Seated           1.5.         Max. capacity         0         3000 kg           1.6.         Load center of gravity         c         500 mm           1.8.         Load distance, centre of drive axie to fork         x         747 mm           1.9.         Wheelbase         y         1995 mm           Weight         Senkice weight         5965 kg           2.2.         Weight on front axie (Idaden) / rear axie (Idaden)         7490 kg / 1475 kg           2.3.         Weight on front axie (Unladen) / rear axie (Unladen)         7490 kg / 1475 kg           2.3.         Weight on front axie (Unladen) / rear axie (Unladen)         2155 kg / 3810 kg           Weight on front axie (Unladen) / rear axie (Unladen)         2         2155 kg / 3810 kg           Weight on front axie (Unladen) / rear axie (Unladen)         2         2155 kg / 3810 kg         405/70-20 1498 1323           3.3         Dimensions of front wheels         405/70-20 1498 1323         323         105-18 12PK 1317         2 / 2         2 / 2         2 / 2         2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         2 / 2         3 / 3         3 / 3         3 / 3         3 / 3         3 / 3         3 /
1.5         Max. capacity         Q         3000 kg           1.6         Load center of gravity         c         500 mm           1.8         Load distance, centre of drive axle to fork         x         747 mm           1.9         Wheelbase         y         1995 mm           Weight         Service weight         Service weight         Service weight         Service weight         Service weight (Jaden) / rear axle (Idaen)         7490 kg / 1475 kg         7490 kg / 1475 kg         20.00         Preumatic (Unladen)         2155 kg / 3810 kg         Preumatic (Unladen)
Load center of gravity   C   S00 mm     Load center of drive axle to fork   X   747 mm     Weight   Weight   Weight   Weight on front axle (laden) / rear axle (laden)   Senice weight   Weight on front axle (laden) / rear axle (unladen)   Weight on front axle (unladen) / rear axle (unladen)   Weight on front axle (unladen) / rear axle (unladen)   Wheels   Wheels   Weight on front axle (unladen)   Wheels   Wheels   Weight on front axle (unladen)   Weight on front axle (unladen)   Weight on front axle (unladen)   Weight on front wheels   Wheels   Weight on front whe
1.8         Load distance, centre of drive axle to fork         x         747 mm           1.9         Wheelbase         y         1995 mm           Weight Owerlew weight         Service weight         5965 kg           2.2         Weight on front axle (laden) / rear axle (laden)         7490 kg / 1475 kg         7490 kg / 1475 kg           2.3         Weight on front axle (Unladen) / rear axle (Unladen)
Wheelbase   Wheelbase   Weight   Weight   Service weigh
2.1         Service weight         5965 kg           2.2         Weight on front axle (laden) / rear axle (Unladen)         7490 kg / 1475 kg           2.3         Weight on front axle (Unladen) / rear axle (Unladen)         2155 kg / 3810 kg           Wheels           3.1         Tires type         Pneumatic           3.2         Dimensions of front wheels         405/70-20 1498 1323           3.3         Dimensions of froat wheels         10,5-18 12PR 1317           3.5         Number of front wheels / rear wheels         2 / 2           3.5         Number of front wheels / rear wheels         4           3.6         Front wheel gauge         b10         1520 mm           3.7         Rear wheel gauge         b11         1630 mm           4.7         Height of owhead guard (cabin) / Overall height of low owerhead guard (Buggie version)         16 / 16*         2458 mm / 2458 mm           4.8         Seat height/stand height         h7         1 426 mm           4.9         Overall length         11         4701 mm           4.20         Length to face of forks         12         3501 mm           2.21         Fork section x width x length         s / e / l         40 mm x 125 mm / 1200 mm           2.22         Fork carriage ISO 232
2.2       Weight on front axle (laden) / rear axle (Unladen)       7490 kg / 1475 kg         2.3       Weight on front axle (Unladen) / rear axle (Unladen)       2155 kg / 3810 kg         Wheels         3.1       Tires type       Pneumatic         3.2       Dimensions of front wheels       40570-20 1498 1323         3.3       Dimensions of rear wheels       2 / 2         3.5       Number of front wheels / rear wheels       2 / 2         5.5       Number of drive wheels       4         6.6       Front wheel gauge       b10       1520 mm         8.7       Rear wheel gauge       b11       1630 mm         1.7       Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)       h6 / h6*       2458 mm / 2458 mm         4.8       Seat height/stand height       h7       1426 mm         4.9       Overall length       j1       4701 mm         2.0       Length to face of forks       j2       3501 mm         2.1       Overall width       b1       1927 mm         2.2       Forks section x width x length       s / e / l       40 mm x 125 mm / 1200 mm         2.2       Fork carriage iSO 2328 (class/form) A/B       b3       1470 mm         3.2 <td< td=""></td<>
Weight on front axle (Unladen) / rear axle (Unladen)
Wheels
Tires type
Dimensions of front wheels   405/70-20 149B 1323     3.3   Dimensions of rear wheels   10,5-18 12PR 1317     3.5   Number of front wheels / rear wheels   2 / 2     5.5   Number of drive wheels   2 / 2     5.5   Number of drive wheels   4     5.6   Front wheel gauge   b10   1520 mm     5.7   Rear wheel gauge   b11   1630 mm     5.8   Dimensions   5     7   Dimensions   5     8.8   Seat height/stand height   6     9   Overall length   11   4701 mm     19   Overall length   11   4701 mm     19   Overall width   11   4701 mm     2.0   Length to face of forks   12   3501 mm     2.1   Overall width   5   6   40 mm x 125 mm / 1200 mm     2.2   Forks section x width x length   3     4   Fork carriage lSO 2328 (class/form) A/B   5     3   Ground clearance below mast   399 mm     3   Ground clearance at centre of wheelbase   m2   395 mm     4   Ast   6180 mm
3.3       Dimensions of rear wheels       10,5-18 12PR 1317         3.5       Number of front wheels / tear wheels       2 / 2         5.5.2       Number of drive wheels       4         3.6       Front wheel gauge       b10       1520 mm         8.7       Rear wheel gauge       b11       1630 mm         Dimensions         4.7       Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)       h6 / h6*       2458 mm / 2458 mm         4.8       Seat height/stand height       h7       1426 mm         .19       Overall length       11       4701 mm         .20       Length to face of forks       12       3501 mm         .21       Overall width       b1       1927 mm         .22       Forks section x width x length       s / e / l       40 mm x 125 mm / 1200 mm         .23       Fork carriage ISO 2328 (class/form) A/B       3A         .24       Fork carriage width       b3       1470 mm         .31       Ground clearance below mast       m1       399 mm         .32       Ground clearance at centre of wheelbase       m2       395 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm </td
3.5       Number of front wheels / rear wheels       2 / 2         5.2       Number of drive wheels       4         3.6       Front wheel gauge       b10       1520 mm         Dimensions         Unensions         4.7       Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)       h6 / h6*       2458 mm / 2458 mm         4.8       Seat height/stand height       h7       1426 mm         .19       Overall length       11       4701 mm         .20       Length to face of forks       12       3501 mm         .21       Overall width       b1       1927 mm         .22       Forks section x width x length       s / e / l       40 mm x 125 mm / 1200 mm         .23       Fork carriage ISO 2328 (class/form) A/B       3A       1470 mm         .31       Ground clearance below mast       b3       1470 mm         .32       Ground clearance at centre of wheelbase       m2       395 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
5.5.2       Number of drive wheels       4         3.6       Front wheel gauge       b10       1520 mm         3.7       Rear wheel gauge       b11       1630 mm         Dimensions         4.7       Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)       h6 / h6*       2458 mm / 2458 mm         4.8       Seat height/stand height       h7       1426 mm         .19       Overall length       11       4701 mm         .20       Length to face of forks       12       3501 mm         .21       Overall width       b1       1927 mm         .22       Forks section x width x length       \$ / e / l       40 mm x 125 mm / 1200 mm         .23       Fork carriage ISO 2328 (class/form) A/B       3A       3A         .24       Fork carriage width       b3       1470 mm         .31       Ground clearance below mast       m1       399 mm         .32       Ground clearance at centre of wheelbase       m2       395 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
3.6       Front wheel gauge       b10       1520 mm         3.7       Rear wheel gauge       b11       1630 mm         4.7       Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)       h6 / h6*       2458 mm / 2458 mm         4.8       Seat height/stand height       h7       1426 mm         4.9       Overall length       11       4701 mm         4.20       Length to face of forks       12       3501 mm         4.21       Overall width       b1       1927 mm         4.22       Forks section x width x length       \$ / e / l       40 mm x 125 mm / 1200 mm         4.23       Fork carriage ISO 2328 (class/form) A/B       3A       3A         4.24       Fork carriage width       b3       1470 mm         3.31       Ground clearance below mast       m1       399 mm         3.32       Ground clearance at centre of wheelbase       m2       395 mm         3.33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
Bar   Bear wheel gauge
Dimensions           4.7         Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)         h6 / h6*         2458 mm / 2458 mm           4.8         Seat height/stand height         h7         1426 mm           .19         Overall length         I1         4701 mm           .20         Length to face of forks         I2         3501 mm           .21         Overall width         b1         1927 mm           .22         Forks section x width x length         s / e / l         40 mm x 125 mm / 1200 mm           .23         Fork carriage ISO 2328 (class/form) A/B         3A         34           .24         Fork carriage width         b3         1470 mm           .31         Ground clearance below mast         m1         399 mm           .32         Ground clearance at centre of wheelbase         m2         395 mm           .33         Aisle width for 1000 x 1200 pallet widthways         Ast         6180 mm
4.7       Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)       h6 / h6*       2458 mm / 2458 mm         4.8       Seat height/stand height       h7       1426 mm         1.9       Overall length       I1       4701 mm         2.0       Length to face of forks       I2       3501 mm         2.1       Overall width       b1       1927 mm         2.2       Forks section x width x length       s / e / l       40 mm x 125 mm / 1200 mm         2.2       Fork carriage ISO 2328 (class/form) A/B       3A         2.24       Fork carriage width       b3       1470 mm         3.31       Ground clearance below mast       m1       399 mm         3.32       Ground clearance at centre of wheelbase       m2       395 mm         3.33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
4.8       Seat height/stand height       h7       1426 mm         .19       Overall length       l1       4701 mm         .20       Length to face of forks       l2       3501 mm         .21       Overall width       b1       1927 mm         .22       Forks section x width x length       s / e / l       40 mm x 125 mm / 1200 mm         .23       Fork carriage ISO 2328 (class/form) A/B       3A         .24       Fork carriage width       b3       1470 mm         .31       Ground clearance below mast       m1       399 mm         .32       Ground clearance at centre of wheelbase       m2       395 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
.19       Overall length       11       4701 mm         .20       Length to face of forks       12       3501 mm         .21       Overall width       b1       1927 mm         .22       Forks section x width x length       \$ / e / l       40 mm x 125 mm / 1200 mm         .23       Fork carriage ISO 2328 (class/form) A/B       3A       34         .24       Fork carriage width       b3       1470 mm         .31       Ground clearance below mast       m1       399 mm         .32       Ground clearance at centre of wheelbase       m2       395 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
.20       Length to face of forks       12       3501 mm         .21       Overall width       b1       1927 mm         .22       Forks section x width x length       \$ / e / l       40 mm x 125 mm / 1200 mm         .23       Fork carriage ISO 2328 (class/form) A/B       3A       34         .24       Fork carriage width       b3       1470 mm         .31       Ground clearance below mast       m1       399 mm         .32       Ground clearance at centre of wheelbase       m2       395 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
.21     Overall width     b1     1927 mm       .22     Forks section x width x length     \$ / e / l     40 mm x 125 mm / 1200 mm       .23     Fork carriage ISO 2328 (class/form) A/B     3A       .24     Fork carriage width     b3     1470 mm       .31     Ground clearance below mast     m1     399 mm       .32     Ground clearance at centre of wheelbase     m2     395 mm       .33     Aisle width for 1000 x 1200 pallet widthways     Ast     6180 mm
.22       Forks section x width x length       s / e / l       40 mm x 125 mm / 1200 mm         .23       Fork carriage ISO 2328 (class/form) A/B       3A         .24       Fork carriage width       b3       1470 mm         .31       Ground clearance below mast       m1       399 mm         .32       Ground clearance at centre of wheelbase       m2       395 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
.23       Fork carriage ISO 2328 (class/form) A/B       3A         .24       Fork carriage width       b3       1470 mm         .31       Ground clearance below mast       m1       399 mm         .32       Ground clearance at centre of wheelbase       m2       395 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
.24       Fork carriage width       b3       1470 mm         .31       Ground clearance below mast       m1       399 mm         .32       Ground clearance at centre of wheelbase       m2       395 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       6180 mm
.31         Ground clearance below mast         m1         399 mm           .32         Ground clearance at centre of wheelbase         m2         395 mm           .33         Aisle width for 1000 x 1200 pallet widthways         Ast         6180 mm
.32 Ground clearance at centre of wheelbase m2 395 mm .33 Alsle width for 1000 x 1200 pallet widthways Ast 6180 mm
Ast 6180 mm
.34 Aisle width for 800 x 1200 pallet lengthways Ast 6180 mm
· · · · · · · · · · · · · · · · · · ·
.35 Turning radius Wa 4030 mm
Performances
5.1 Travel speed (laden / unladen) 10 km/h / 22 km/h
5.2 Lifting speed (laden / unladen) 0.60 m/s / 0.60 m/s
5.3 Lowering speed (laden / unladen) 0.40 m/s / 0.40 m/s
5.5 Drawbar pull (Laden / Unladen) 6290 daN / 4250 daN
.10 Service brake Hydraulic
Engine
7.2 I.C. Engine power rating 55 kW
7.1 Engine brand / model / norm Deutz / TCD 2,9 / Stage V
7.3 Rated speed 2300 rpm
7.4 Number of cylinders / Capacity of cylinders 4 - 2925 cm <sup>3</sup>
Miscellaneous
3.2 Working hydraulic pressure for attachments 185 bar
3.3 Oil flow rate for attachments 97 l/min
3.4 Sound level at the driver's ear according to DIN 12 053 78 dB

## M 30-4 D ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 37	FVD 45
α - Mast/fork carriage tilt, forward	۰	6	6
β - Mast/fork carriage tilt, backward	۰	12	12
h1 - Mast lowered height	mm	2689	3129
h3 - Mast lifting height	mm	3700	4500
Residual capacity at max height	kg	3000	3000
Residual capacity with hooked-on side shift at max heigth	kg	3000	3000
Height at max capacity	mm	3700	4500
Height at max capacity with hooked-on sideshift	mm	3700	4500

Free Lift Triplex (FLT)		FLT 43	FLT 50	FLT 65
α - Mast/fork carriage tilt, forward	٠	6	6	6
β - Mast/fork carriage tilt, backward	۰	12	12	12
h1 - Mast lowered height	mm	2429	2689	3379
h2 - Mast free lift	mm	1573	1833	2523
h3 - Mast lifting height	mm	4300	5000	6500
Residual capacity at max height	kg	3000		
Residual capacity with hooked-on side shift at max heigth	kg	3000	1600	500
Height at max capacity	mm	4300	2500	2500
Height at max capacity with hooked-on sideshift	mm	3000	4100	4300

Full Visibility Triplex (FVT)		FVT 55	FVT 70
α - Mast/fork carriage tilt, forward	۰	6	6
β - Mast/fork carriage tilt, backward	۰	10	10
h1 - Mast lowered height	mm	2959	3629
h3 - Mast lifting height	mm	5500	7000
Residual capacity at max height	kg	2000	
Residual capacity with hooked-on side shift at max heigth	kg	1500	
Height at max capacity	mm	4200	
Height at max capacity with hooked-on sideshift	mm	4200	





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