Technical sheet:

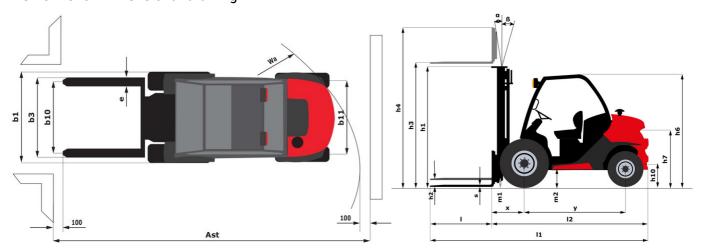
## MC 18-2 ST5





			MC 18-2 ST5	Created on July 31, 2025 at 3:54 PM UT
MC 182 STG		Technical characteristics		Metric
1.4	1.1	Manufacturer		Manitou
1.4	1.2	Model Name		MC 18-2 ST5
Max. capacity	1.3	Power source		Diesel
1.6	1.4	Operator type		Seated
1.6         Load center of prawty         x         500 mm           1.8         Load distance, center of dive axie to fok         x         615 mm           1.9         Wheelbase         y         1900 mm           Wheelbase         y         1900 mm           2.1         Service weight         2         A340 kg           2.2         Woolpton front axie (ludadn)         2         4400 kg / 400 kg / 640 kg           2.3         Windels         1590 kg / 1850 kg         1590 kg / 1850 kg           3.1         Times type         Pheumatic         12,786 18/17 kB kg           3.2         Dimensions of front wheels         2         Pheumatic           3.2         Number of front wheels         2         7.09-12/12 EP NLB           3.5         Number of front wheels / rear wheel         2         2.2         2           3.6         Pront wheel gauge         b10         1155 mm         150 mm           4.7         Height of one wheed gaud (cabin / Overall height of low ownhead gaud (buggie version)         16/7         2155 mm / 1990 mm           4.7         Height of one-bed gaud (cabin / Overall height of low ownhead gaud (buggie version)         16/7         1133 mm           4.7         Height of one-bed gaud (cabin / Overall height of low ow	1.5	Max. capacity	Q	1800 kg
1.0   Weelbase   Wee	1.6		С	500 mm
Neight   Standard mast reference of the machine	1.8	Load distance, centre of drive axle to fork	x	616 mm
Sandard mast reference of the machine	1.9	Wheelbase	у	1900 mm
2.1         Service weight         3440 kg           2.2         Weight on front azie (laden)         4500 kg / 640 kg           2.3         Weight on front azie (Unladen)         1590 kg / 1850 kg           3.1         Times type         12,590 kg / 1850 kg           3.2         Dimensions of front wheels         12,590 - 18/12 KB           3.3         Dimensions of rear wheels         7,0012/12 ED FULS           3.5         Number of front wheels / rear wheels         2,2           3.6         Front wheel gauge         b10         1159 mm           3.6         Front wheel gauge         b11         1112 mm           4.7         Helipht of ownhead quard (cabin) / Overall height of low overhead guard (Buggie version)         b6 / 6h*         2155 mm / 1990 mm           4.8         Seat height/ stand height         h6 / 6h*         2155 mm / 1990 mm           4.8         Seat height stand height         h7         1034 mm           4.9         Overall weigh         5 / 6h*         22 295 mm           4.21         Fork section x width x length         5 / 6h*         35 mm x 100 mm / 1150 mm           4.22         Fork carriage ISO 2238 (class / form) A/B         2 / 2         2 / 2           4.23         Fork carriage weith         m1         30		Weight		
		Standard mast reference of the machine		FVD 33
2.3         Weight on front axile (Unladen) / rear axile (Unladen)         1590 kg / 1850 kg           Wineds         Permissions of front Weels         Permissions of front Weels           3.2         Dimensions of front Weels         12.580 - 18/12 S. R. R.           3.5         Dimensions of front Weels / rear wheels         2.72           3.5         Number of front Weels / rear wheels         2.72           3.5         Number of dive Weels         2.72           3.6         Foot wheel gauge         bit         11159 mm           3.7         Pear wheel gauge         bit         1112 mm           4.7         Helphof overhead guard (cabin) / Overall helphof flow overhead guard (Buggie version)         h6 / h6*         2155 mm / 1990 mm           4.8         Seat helphyt Stand height         h7         1034 mm           4.9         Overall length         h7         1034 mm           4.1         Overall width         s / 2         2950 mm           4.2         Length to face of forks         12         2950 mm           4.2         Fook sections width x length         s / e/1         35 mx x 100 mm           4.2         Fook sections width x length         s / e/1         30 mm           4.2         Fook sections width x length         s / e/1<	2.1	Service weight		3440 kg
Nices	2.2	Weight on front axle (laden) / rear axle (laden)		4600 kg / 640 kg
Nitesis   Fire type	2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1590 kg / 1850 kg
3.2         Dimensions of front wheels         12.5/80 - 18/12 S. R4           3.3         Dimensions of rear wheels         7.00-12/12 ED PLUS           3.5         Number of fortw wheels         2 / 2           3.6         Front wheel gauge         b10         1159 mm           4.7         Been wheel gauge         b11         1115 mm           4.7         Height of overhead guard (cabin / Overall height of low overhead guard (Buggie version)         h6 / h6*         2155 mm / 1990 mm           4.7         Beat height/stand height         h7         1034 mm           4.9         Overall leight         h1         4100 mm           4.9         Overall width         h2         2.2950 mm           4.1         Overall width         h1         4100 mm           4.2         Fork section x width x length         s / e / l         35 mm x 100 mm / 1150 mm           4.2         Fork carriage width         s / e / l         35 mm x 100 mm / 1150 mm           4.2         Fork carriage width         b / a         1260 mm           4.31         Ground clearance below mast         m2         3 mm x 100 mm           4.32         Fork carriage width         b         1 12 km/h / 23.50 km/h           5.2         Turning radius <t< td=""><td></td><td>Wheels</td><td></td><td></td></t<>		Wheels		
3.3   Dimensions of rear wheels   7.00-12/12 ED PLUS   3.5   Number of from wheels / rear wheels   2 / 2   3.6   Front wheel gauge   b10   1159 mm   3.7   Rear wheel gauge   b10   1159 mm   3.8   Height of overhead guard (cabin / Overall height of low overhead guard (Buggie version)   h6 / h6*   4.7   Height of overhead guard (cabin / Overall height of low overhead guard (Buggie version)   h6 / h6*   4.8   Seat height/stand height   11   4100 mm   4.8   Seat height/stand height   11   4100 mm   4.10   Uverall width   b1   1450 mm   4.20   Length to face of forks   12   2.955 mm / 150 mm   4.21   Overall width   b1   1.450 mm   4.22   Forks section x width x length   5 x   e / l   4.24   Fork carriage Vidth   5 x   e / l   4.25   Fork carriage SO 2328 (class/form) A/B   2A   4.24   Fork carriage SO 2328 (class/form) A/B   2A   4.24   Fork carriage width   5 x   e / l   4.25   Fork carriage width   5 x   e / l   4.26   Ground clearance below mast   m1   300 mm   4.27   Ground clearance at centre of wheelbase   m2   320 mm   4.28   Turning radius   m1   300 mm   4.29   Ground clearance at centre of wheelbase   m2   320 mm   4.20   Ground clearance at centre of wheelbase   m2   320 mm   4.21   Ground clearance below mast   m1   300 mm   4.22   Ground clearance below mast   m1   300 mm   4.23   Ground clearance below mast   m1   300 mm   4.24   Ground clearance below mast   m1   300 mm   4.25   Ground clearance below mast   m1   300 mm   4.26   Ground clearance below mast   m1   300 mm   4.27   Ground clearance below mast   m1   300 mm   4.28   Ground clearance below mast   m1   300 mm   4.29   Ground clearance below mast   m1   300 mm   4.20   Ground clearance below mast   m1   300 mm   4.21   Ground clearance below mast   m1   300 mm   4.22   Ground clearance below mast   m1   300 mm   4.23   Ground clearance below mast   m1   300 mm   4.24   Ground clearance below mast   m1   300 mm   4.25   Ground clearance below mast   m1   300 mm   4.26   Ground clearance below mast   m1   300 mm   4.27   Ground clearance b	3.1	Tires type		Pneumatic
3.5         Number of front wheels / rear wheels         2 / 2           3.5.2         Number of drive wheels         2           3.6         Front wheel gauge         b10         1159 mm           3.7         Rear wheel gauge         b11         1112 mm           Umensions           4.7         Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)         h6 / h6*         2155 mm / 1990 mm           4.8         Seat height/stand height         h7         1034 mm           4.9         Overall leight         h7         1034 mm           4.19         Overall leight         h1         4100 mm           4.20         Length to face of forks         12         2950 mm           4.21         Overall widh         b1         1450 mm           4.22         Forks section x width x length         s / e / l         35 mm x 100 mm / 1150 mm           4.23         Fork cariage width         b3         1260 m           4.24         Fork cariage width         b3         1260 m           4.31         Ground clearance at centre of wheelbase         m2         320 mm           5.1         Travel speed (laden / unladen)         Wa         2585 mm           5.2 <t< td=""><td>3.2</td><td>Dimensions of front wheels</td><td></td><td>12.5/80 - 18/12 SL R4</td></t<>	3.2	Dimensions of front wheels		12.5/80 - 18/12 SL R4
3.5.2         Number of drive wheels         2           3.6         Front wheel gauge         b10         11159 mm           Dimensions           4.7         Height of overhead guard (cabin ) / Overall height of low overhead guard (Buggie version)         h6 / h6*         2155 mm / 1990 mm           4.8         Seat height/stand height         h7         1034 mm           4.19         Overall length         l1         4100 mm           4.20         Length to face of forks         l2         22550 mm           4.21         Overall width         b1         1450 mm           4.22         Fork section x width x length         s / e / l         35 mm x 100 mm / 1150 mm           4.23         Fork carriage ISO 2328 (class/form) A/B         s / e / l         35 mm x 100 mm / 1150 mm           4.24         Fork carriage Width         m1         300 mm           4.24         Fork carriage Width         m1         300 mm           4.25         Fork carriage Width         m2         320 mm           4.24         Fork carriage Width         m1         300 mm           4.25         Fork carriage Width         m2         320 mm           4.26         Fork carriage Width         m2         320 mm	3.3	Dimensions of rear wheels		7.00-12/12 ED PLUS
3.6         Front wheel gauge         b10         1159 mm           3,7         Rear wheel gauge         b11         1112 mm           4.7         Height of owehead guard (cabin) / Overall height of low owehead guard (Buggie version)         h6 / h6*         2155 mm / 1990 mm           4.8         Seat height Stand height         h7         1034 mm           4.19         Overall length         11         4100 mm           4.20         Length to face of forks         12         2.9950 mm           4.21         Overall width         b1         1450 mm           4.22         Fork section x width x length         s / e / l         35 mm x 100 mm / 1150 mm           4.23         Fork carriage lSD 22328 (class/form) A/B         s / e / l         35 mm x 100 mm / 1150 mm           4.24         Fork carriage width         b3         1260 mm           4.31         Ground clearance telow mast         m1         300 mm           4.32         Fork carriage width         w8         2585 mm           4.31         Turning radius         w8         2585 mm           5.1         Trace (lader) unladen)         w8         2585 mm           5.1         Trace (lader) unladen)         0.44 m/s / 0.44 m/s           5.2         Lowe	3.5	Number of front wheels / rear wheels		2/2
Rear wheel gauge	3.5.2	Number of drive wheels		2
Dimensions	3.6	Front wheel gauge	b10	1159 mm
4.7         Height of owerhead guard (cabin / Overall height of low owerhead guard (Buggie version)         h6 / h6*         2155 mm / 1990 mm           4.8         Seat height/stand height         h7         1034 mm           4.19         Overall length         11         4100 mm           4.20         Length to face of forks         12         2950 mm           4.21         Overall width         b1         1450 mm           4.22         Fork carriage Nidth kength         s / e / l         35 mm x 100 mm / 1150 mm           4.23         Fork carriage width         b3         1260 mm           4.24         Fork carriage width         b3         1260 mm           4.31         Ground clearance at centre of wheelbase         m2         320 mm           4.32         Ground clearance at centre of wheelbase         m2         320 mm           4.31         Tuming radius         Wa         2585 mm           5.1         Tavel speed (laden / unladen)         Wa         2585 mm           5.2         Lifting speed (laden / unladen)         0.44 m/s / 0.44 m/s         0.44 m/s / 0.44 m/s           5.3         D rawbar pull (Laden)         100 daN         19 %           5.1         Gadeability (laden)         Wa         19 %	3.7	Rear wheel gauge	b11	1112 mm
4.8         Seat height/stand height         h7         1034 mm           4.19         Overall length         i1         4100 mm           4.20         Length to face of forks         i2         2.950 mm           4.21         Overall width         b1         1.1450 mm           4.22         Fork section x width x length         s / e / l         35 mm x 100 mm / 1150 mm           4.23         Fork carriage width         b3         1.260 mm           4.31         Ground clearance below mast         m1         300 mm           4.32         Ground clearance below mast         m2         320 mm           4.35         Turning radius         Wa         2.585 mm           4.35         Turning radius         Wa         2.585 mm           5.1         Travel speed (laden / unladen)         Wa         2.585 mm           5.2         Lifting speed (laden / unladen)         0.44 m/s / 0.44 m/s         0.44 m/s / 0.44 m/s           5.3         Doweing speed (laden / unladen)         0.40 m/s / 0.44 m/s         0.40 m/s / 0.44 m/s           5.5         Drawbar pull (Laden)         1000 dal         19 %           5.7         Gradeability (laden)         Hydraulic brakes by loss of pressure         Hydraulic brakes by loss of pressure		Dimensions		
4.19       Overall length       11       4100 mm         4.20       Length to face of forks       12       2950 mm         4.21       Overall width       b1       1450 mm         4.21       Forks section x width x length       \$ /e / 1       35 mm x 100 mm / 1150 mm         4.22       Fork carriage lSQ 2928 (class/form) A/B       b3       1260 mm         4.24       Fork carriage width       b3       1260 mm         4.31       Ground clearance below mast       m1       300 mm         4.32       Ground clearance at centre of wheelbase       Wa       2585 mm         4.35       Tuming radius       Wa       2585 mm         5.1       Travel speed (laden / unladen)       Wa       2585 mm         5.2       Lifting speed (laden / unladen)       Wa       2585 mm/h         5.3       Lowering speed (laden / unladen)       U       10.44 m/s / 0.44 m/s         5.3       Daveing speed (laden / unladen)       Wa       19 %         5.5       Drawbar pull (Laden)       Hydraulic brakes by loss of pressure         5.7       Gradeability (laden)       Hydraulic brakes by loss of pressure         7.1       Engine brand / model / norm       Kubota / Di Rus         7.2       Engine brand /	4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2155 mm / 1990 mm
4.20       Length to face of forks       12       2950 mm         4.21       Overall width       b1       1450 mm         4.22       Fork section x width x length       s / e / l       35 mm x 100 mm / 1150 mm         4.23       Fork carriage Width       b3       1260 mm         4.24       Fork carriage width       b3       1260 mm         4.31       Ground clearance below mast       m1       300 mm         4.32       Ground clearance at centre of wheelbase       m2       320 mm         4.35       Tuming radius       Wa       2585 mm         5.1       Tavel speed (laden / unladen)       12 km/h / 23.50 km/h         5.2       Lifting speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.3       Lowering speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.5       Drawbar pull (Laden)       0.40 m/s / 0.40 m/s         5.7       Gradeablity (laden)       19 %         5.7       Forsice brake       Hydroulic brakes by loss of pressure         7.1       Engine       Kubota / D1803 CRESB / Stage V         7.2       Engine brand / model / norm       Kubota / D1803 CRESB / Stage V         7.2       I.C. Engine power rating       Kubota / D1803 CRESB / Stage V         7.2 </td <td>4.8</td> <td>Seat height/stand height</td> <td>h7</td> <td>1034 mm</td>	4.8	Seat height/stand height	h7	1034 mm
4.21       Overall width       b1       1.450 mm         4.22       Forks section x width x length       \$ / e / l       35 mm x 100 mm / 1150 mm         4.23       Fork carriage ISO 2328 (class/form) A/B       b3       1260 mm         4.24       Fork carriage width       b3       1260 mm         4.31       Ground clearance below mast       m1       300 mm         4.32       Ground clearance at centre of wheelbase       m2       320 mm         4.35       Tuming radius       Wa       2585 mm         5.1       Travel speed (laden / unladen)       Wa       2585 mm         5.2       Lifting speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.3       Lowering speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.5       Drawbar pull (Laden)       0.40 m/s / 0.40 m/s         5.7       Gradeability (laden)       19 %         5.1       Transmission type       Hydraulic brakes by loss of pressure         7.1       Engine       Kubota / Ditoxi Strice         7.2       L.C. Engine power rating       Kubota / Ditoxi Strice         7.3       Rated speed       270 mm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³	4.19	Overall length	I1	4100 mm
4.22         Forks section x width x length         s / e / l         35 mm x 100 mm / 1150 mm           4.23         Fork carriage width         b3         1260 mm           4.24         Fork carriage width         m1         300 mm           4.31         Ground clearance below mast         m2         3200 mm           4.35         Ground clearance at centre of wheelbase         m2         3200 mm           4.35         Tuming radius         Wa         2585 mm           5.1         Tarvel speed (laden / unladen)         Wa         2585 mm           5.2         Lifting speed (laden / unladen)         0.44 m/s / 0.44 m/s           5.3         Downing speed (laden / unladen)         0.44 m/s / 0.44 m/s           5.5         Drawbar pull (Laden)         19 %           5.7         Gradeability (laden)         19 %           5.7         Gradeability (laden)         19 %           5.1         Fanjie         Hydraulic brakes by loss of pressure           5.1         Fanjie         Kubota / Disos CRE58 / Stage V           7.1         Engline brand / model / nom         Kubota / Disos CRE58 / Stage V           7.2         Rated speed         270 km           7.3         Rated speed         270 km	4.20	Length to face of forks	12	2950 mm
4.23         Fork carriage ISO 2328 (class/form) A/B         2A           4.24         Fork carriage width         b3         1260 mm           4.31         Ground clearance below mast         m1         300 mm           4.32         Ground clearance at centre of wheelbase         m2         320 mm           4.35         Turning radius         Wa         2585 mm           5.1         Travel speed (laden / unladen)         12 km/h / 23.50 km/h           5.2         Lifting speed (laden / unladen)         0.44 m/s / 0.44 m/s           5.3         Lowering speed (laden / unladen)         0.44 m/s / 0.40 m/s           5.5         Drawbar pull (Laden)         100 daN           5.7         Gradeability (laden)         19 %           5.10         Service brake         Hydraulic brakes by loss of pressure           7.1         Engine         Hydraulic brakes by loss of pressure           7.1         Engine brand / model / nom         Kubota / D1803 CR E58 / Stage V           7.2         I.C. Engine power rating         27 kW           7.3         Rated speed         2700 rpm           7.4         Number of cylinders / Capacity of cylinders         3 - 1826 cm³	4.21	Overall width	b1	1450 mm
4.24       Fork carriage width       b3       1260 mm         4.31       Ground clearance below mast       m1       300 mm         4.32       Ground clearance at centre of wheelbase       m2       320 mm         4.35       Turning radius       Wa       2585 mm         Performances         5.1       Travel speed (laden / unladen)       12 km/h / 23.50 km/h         5.2       Lifting speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.3       Lowering speed (laden / unladen)       0.40 m/s / 0.40 m/s         5.5       Drawbar pull (Laden)       1000 daN         5.7       Gradeability (laden)       19 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Tansmission type       Hydrostatic         Engine         7.1       Engine brand / model / norm       Kubta / D1803 CR E5B / Stage V         7.2       LC. Engine power rating       7.7 kW         7.3       Rated speed       270 km         7.4       Number of cylinders / Capacity of cylinders       3 · 1826 cm³	4.22	Forks section x width x length	s / e / l	35 mm x 100 mm / 1150 mm
4.31       Ground clearance below mast       m1       300 mm         4.32       Ground clearance at centre of wheelbase       m2       320 mm         4.35       Tuming radius       Wa       2585 mm         Performances         5.1       Travel speed (laden / unladen)       12 km/h / 23.50 km/h         5.2       Lifting speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.3       Lowering speed (laden / unladen)       0.44 m/s / 0.40 m/s         5.5       Drawbar pull (Laden)       1000 daN         5.7       Gradeability (laden)       19 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         Engine       Hydrostatic         7.1       Engine brand / model / norm       Kubota / D1803 CR ESB / Stage V         7.2       L.C. Engine power rating       27 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Miscellaneous	4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.32       Ground clearance at centre of wheelbase       m2       320 mm         4.35       Tuming radius       Wa       2585 mm         Performances         5.1       Travel speed (laden / unladen)       12 km/h / 23.50 km/h         5.2       Lifting speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.3       Lowering speed (laden / unladen)       0.40 m/s / 0.40 m/s         5.5       Drawbar pull (Laden)       100 dan         5.7       Gradeability (laden)       19 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         7.1       Engine       Klubota / D1803 CR ESB / Stage V         7.2       L.C. Engine power rating       Klubota / D1803 CR ESB / Stage V         7.2       L.C. Engine power rating       27 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³	4.24	Fork carriage width	b3	1260 mm
4.35       Tuming radius       Wa       2585 mm         Perfomances         5.1       Travel speed (laden / unladen)       12 km/h / 23.50 km/h         5.2       Lifting speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.3       Lowering speed (laden / unladen)       0.40 m/s / 0.40 m/s         5.5       Drawbar pull (Laden)       1000 daN         5.7       Gradeability (laden)       19 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         7.1       Engine       Kubota / D1803 CR E5B / Stage V         7.2       I.C. Engine power rating       27 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Miscellaneous	4.31	Ground clearance below mast	m1	300 mm
Performances         Inval speed (laden / unladen)         12 km/h / 23.50 km/h           5.2         Lifting speed (laden / unladen)         0.44 m/s / 0.44 m/s           5.3         Lowering speed (laden / unladen)         0.40 m/s / 0.40 m/s           5.5         Drawbar pull (Laden)         1000 daN           5.7         Gradeability (laden)         19 %           5.10         Service brake         Hydraulic brakes by loss of pressure           Transmission type         Hydrostatic           Fingine         Kubota / D1803 CR E5B / Stage V           7.2         L.C. Engine power rating         Kubota / D1803 CR E5B / Stage V           7.3         Rated speed         27 kW           7.4         Number of cylinders / Capacity of cylinders         3 - 1826 cm³           Miscellaneous         Miscellaneous         13 - 1826 cm³	4.32	Ground clearance at centre of wheelbase	m2	320 mm
5.1       Travel speed (laden / unladen)       12 km/h / 23.50 km/h         5.2       Lifting speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.3       Lowering speed (laden / unladen)       0.40 m/s / 0.40 m/s         5.5       Drawbar pull (Laden)       1000 daN         5.7       Gradeability (laden)       19 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         7.1       Engine       Kubota / D1803 CR E5B / Stage V         7.2       LC. Engine power rating       Kubota / D1803 CR E5B / Stage V         7.3       Rated speed       27 kW         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Miscellaneous       13 - 1826 cm³	4.35	Turning radius	Wa	2585 mm
5.2       Lifting speed (laden / unladen)       0.44 m/s / 0.44 m/s         5.3       Lowering speed (laden / unladen)       0.40 m/s / 0.40 m/s         5.5       Drawbar pull (Laden)       1000 daN         5.7       Gradeability (laden)       19 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         7.1       Engine       Kubota / D1803 CR E5B / Stage V         7.2       I.C. Engine power rating       27 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Miscellaneous		Performances		
5.3       Lowering speed (laden / unladen)       0.40 m/s / 0.40 m/s         5.5       Drawbar pull (Laden)       1000 daN         5.7       Gradeability (laden)       19 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         Engine         7.1       Engine brand / model / norm       Kubota / D1803 CR E5B / Stage V         7.2       I.C. Engine power rating       27 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous	5.1	Travel speed (laden / unladen)		12 km/h / 23.50 km/h
5.5       Drawbar pull (Laden)       1000 daN         5.7       Gradeability (laden)       19 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         Engine         7.1       Engine brand / model / norm       Kubota / D1803 CR E5B / Stage V         7.2       I.C. Engine power rating       27 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Miscellaneous	5.2	Lifting speed (laden / unladen)		0.44 m/s / 0.44 m/s
5.7       Gradeability (laden)       19 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         5.10       Engine       Company         7.1       Engine brand / model / norm       Kubota / D1803 CR E5B / Stage V         7.2       I.C. Engine power rating       27 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Miscellaneous	5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.40 m/s
5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         Engine       Company         7.1       Engine brand / model / norm       Kubota / D1803 CR E5B / Stage V         7.2       I.C. Engine power rating       27 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Miscellaneous	5.5	Drawbar pull (Laden)		1000 daN
Transmission type  Engine  7.1 Engine brand / model / norm  7.2 I.C. Engine power rating  7.3 Rated speed  7.4 Number of cylinders / Capacity of cylinders  Miscellaneous  Hydrostatic  Hydrostatic  Kubota / D1803 CR E5B / Stage V  27 kW  27 kW  27 kW  3 - 1826 cm³	5.7	Gradeability (laden)		19 %
Engine         Kubota / D1803 CR E5B / Stage V           7.1         Engine brand / model / norm         Kubota / D1803 CR E5B / Stage V           7.2         I.C. Engine power rating         27 kW           7.3         Rated speed         2700 rpm           7.4         Number of cylinders / Capacity of cylinders         3 - 1826 cm³           Miscellaneous         Miscellaneous	5.10	Service brake		Hydraulic brakes by loss of pressure
7.1       Engine brand / model / norm       Kubota / D1803 CR E5B / Stage V         7.2       I.C. Engine power rating       27 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Image: Company of the company		Transmission type		Hydrostatic
7.2 I.C. Engine power rating 27 kW 7.3 Rated speed 2700 rpm 7.4 Number of cylinders / Capacity of cylinders 3 - 1826 cm³ Miscellaneous		Engine		
7.3 Rated speed 2700 rpm  7.4 Number of cylinders / Capacity of cylinders 3 - 1826 cm³  Miscellaneous 3	7.1	Engine brand / model / norm		Kubota / D1803 CR E5B / Stage V
7.4 Number of cylinders / Capacity of cylinders 3 - 1826 cm³ Miscellaneous 3 - 1826 cm³	7.2	I.C. Engine power rating		27 kW
Miscellaneous	7.3	Rated speed		2700 rpm
	7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm³
8.1 Type of drive control Electronic		Miscellaneous		
	8.1	Type of drive control		Electronic
8.2 Working hydraulic pressure for attachments 160 bar	8.2	Working hydraulic pressure for attachments		160 bar
8.3 Oil flow rate for attachments 31 l/min	8.3	Oil flow rate for attachments		31 I/min

## MC 18-2 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	
α - Mast/fork carriage tilt, forward	۰
β - Mast/fork carriage tilt, backward	۰
h1 - Mast lowered height	mm
h2 - Mast free lift	mm
h3 - Mast lifting height	mm
h4 - Mast extended height	mm
Residual capacity at max height	kg
Residual capacity with hooked-on side shift at max heigth	kg
Height at max capacity	mm
Height at max capacity with hooked-on sideshift	mm

FVD 33	FVD 37	FVD 40	FVD 45
12	12	12	12
10	10	10	10
2348	2608	2798	3048
85	85	85	85
3300	3700	4000	4500
4018	4428	4768	5268
1800	1800		1100
1800	1800		1100
3300	3700	2500	3600
3300	3700		3600

Free Lift Triplex (FLT)		FLT 37	FLT 43	FLT 47	FLT 55
α - Mast/fork carriage tilt, forward	۰	12	12	12	6
β - Mast/fork carriage tilt, backward	٠	10	10	10	6
h1 - Mast lowered height	mm	1998	2198	2348	2608
h2 - Mast free lift	mm	1305	1505	1655	1915
h3 - Mast lifting height	mm	3700	4300	4700	5500
h4 - Mast extended height	mm	4453	5053	5453	6253
Residual capacity at max height	kg	1600	1000	600	
Residual capacity with hooked-on side shift at max heigth	kg	1550	1000	600	
Height at max capacity	mm	3400	3400	3400	2500
Height at max capacity with hooked-on sideshift	mm	3300	3400	3400	

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	۰	12
β - Mast/fork carriage tilt, backward	٠	10
h1 - Mast lowered height	mm	1888
h2 - Mast free lift	mm	135
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4048
Residual capacity at max height	kg	1800
Residual capacity with hooked-on side shift at max heigth	kg	1800
Height at max capacity	mm	3300
Height at max capacity with hooked-on	mm	3300





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