Technical sheet:

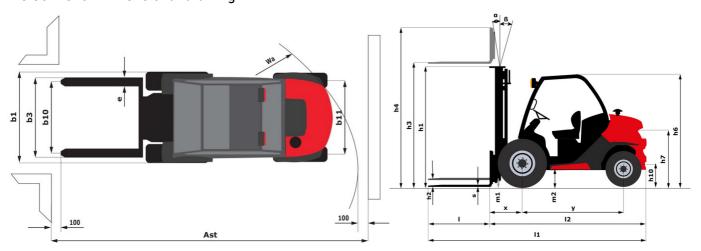
# MC 30-4 ST5





Model Name			INC DO TO 15 OFCUTCO	1011 December 10, 2020 at 12.20 1 W
Model Name	1	Technical characteristics		Metric
	1.1 N	Manufacturer		Manitou
	1.2 M	Model Name		MC 30-4 ST5
Max. capacity	1.3 F	Power source		Diesel
Load cleater of granty   C	1.4	Operator type		Seated
Load cleater of granty   C	1.5 N	Max. capacity	Q	3000 kg
		• •	C	
New			X	
			v	
Sandard mast reference of the machine				
Marcia   M		<u> </u>		FVD 33
Weight on front axie (laden) / rear axie (laden)   Maeds				
		•		
Times type		- , , , ,		occo ng , r so ng
12,5/80-18/12 SL R4   12,5/80-18/12 SL R4   12,5/80-18/12 SL R4   13,3   Dimensions of rear wheels   2710-12 SKS   2710-12 SKS   2710-12 SKS   2 / 2   2   2   2   2   2   2   2   2				Pneumatic
Dimensions of rear wheels				
2				
5.5.2         Number of drive wheels         4           3.6         Front wheel gauge         b1         1159 mm           3.7         Rear wheel gauge         b11         1176 mm           4.7         Helight of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)         h6 / h6*         2155 mm / 1990 mm           4.8         Sex height/stand height         h7         1094 mm           4.9         Overall length         l1         4235 mm           4.9         Useful for face of forks         l2         3885 mm           2.0         Length to face of forks         l5         1450 mm           2.1         Overall width         b1         1450 mm           2.2         Forks section x width x length         s / e / l         45 mm x 100 mm / 1200 mm           2.2         Fork carriage ISO 2328 (class/form) A/B         3A         3A           3.1         Ground clearance below mast         m1         300 mm           3.2         Ground clearance a trente of wheelbase         m2         310 mm           3.3         Asle width for 1000 x 1200 pallet widthways         Ast         5461 mm           5.5         Timing radius         12 km/h / 24.50 km/h         45 km/s           5.1         <				
Front wheel gauge				
3.7         Rear wheel gauge         b11         1176 mm           Dimensions         Commodities         Commodities           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         1094 mm           1.9         Overall length         11         4235 mm           1.9         Useful height of case of forks         12         3085 mm           2.0         Length to face of forks         12         3085 mm           2.1         Overall width         b1         1450 mm           2.2         Fork section x width x length         s / e / I         45 mm x 100 mm / 1200 mm           2.2         Fork carriage ISO 2328 (class/form) A/B         x / e / I         3 m x 100 mm / 1200 mm           3.3         Ground clearance at centre of wheelbase         m2         3 10 mm           3.2         Ground clearance at centre of wheelbase         m2         3 10 mm           3.3         A list width for 1000 x 1200 pallet widthways         Ast         5461 mm           3.3         Tuming radius         Wa         3435 mm           4.5         Tuming radius         Wa         3435 mm			110	
		· · ·		
Height of overhead guard (cabin ) / Overall height of low overhead guard (Buggie version)   h6 / h6*   2155 mm / 1990 mm     1.8		• •	DII	11/6 mm
4.8         Seat height/stand height         h7         1094 mm           .19         Overall length         11         4.235 mm           .20         Length to face of forks         12         3.085 mm           .21         Overall width         b1         1.450 mm           .22         Fork section x width x length         \$ / e / I         45 mm x 100 mm / 1200 mm           .23         Fork carriage ISO 2228 (class/form) A/B         m1         3.00 mm           .31         Ground clearance at centre of wheelbase         m2         310 mm           .32         Ground clearance at centre of wheelbase         m2         310 mm           .33         A isle width for 1000 x 1200 pallet widthways         Ast         5461 mm           .35         Tuming radius         M8         3435 mm           .36         Tuming speed (laden / unladen)         M8         3455 mm           .5.1         Travel speed (laden / unladen)         0.47 m/s / 0.46 m/s         0.47 m/s / 0.46 m/s           .5.2         Lifting speed (laden / unladen)         0.50 m/s / 0.30 m/s         0.50 m/s / 0.30 m/s           .5.2         Drawbar pull (Laden)         46 %         %           .5.7         Gradeability (laden)         Kubota / 1040 m/s         Hydroistate <td></td> <td></td> <td></td> <td></td>				
1				
2.20         Length to face of forks         12         3085 mm           2.21         Overall width         b1         1450 mm           2.22         Fork section x width x length         s / e / l         45 mm x 100 mm / 1200 mm           2.23         Fork carriage ISO 2328 (class/fom) A/B         m1         300 mm           3.31         Ground clearance below mast         m1         300 mm           3.32         A isle width for 1000 x 1200 pallet widthways         Ast         5461 mm           3.33         A isle width for 1000 x 1200 pallet widthways         Wa         3435 mm           5.4         Travel speed (laden / unladen)         Wa         3435 mm           5.5         Travel speed (laden / unladen)         0.47 m/s / 0.46 m/s         0.50 m/s / 0.30 m/s           5.5         Drawbar pull (Laden)         3100 daN         3100 daN           5.5         Gradeability (laden)         46 %         46 %           5.6         Gradeability (laden)         Hydraulic brakes by loss of pressure           5.7         Gradeability (laden)         46 %         46 %           5.7         Gradeability (laden)         Kubota / Dilaso GRT ESS / Stage V           7.2         Engine brand / model / norm         Kubota / Dilaso GRT ESS / Stage V <tr< td=""><td></td><td></td><td></td><td></td></tr<>				
.21         Overall width         b1         1 450 mm           .22         Forks section x width x length         s / e / l         45 mm x 100 mm / 1200 mm           .23         Fork carriage ISO 2328 (class/form) A/B         m1         30 mm           .31         Ground clearance below mast         m1         300 mm           .32         Ground clearance at centre of wheelbase         m2         310 mm           .33         Aisle width for 1000 x 1200 pallet widthways         Ast         5461 mm           .35         Tuming radius         Wa         3435 mm           .36         Travel speed (laden / unladen)         Wa         12 km/h / 24.50 km/h           .5.1         Travel speed (laden / unladen)         0.47 m/s / 0.46 m/s         0.50 m/s / 0.30 m/s           .5.2         Lifting speed (laden / unladen)         0.50 m/s / 0.30 m/s         0.50 m/s / 0.30 m/s           .5.2         Drawbar pull (Laden)         9         46 %           .5.5         Drawbar pull (Laden)         9         46 %           .5.1         Service brake         Hydraulic brakes by loss of pressure           .5.2         Engine         Kubota / D1803 CRT E58 / Stage V           .7.1         Engine brand / model / norm         Kubota / D1803 CRT E58 / Stage V <t< td=""><td></td><td>•</td><td></td><td></td></t<>		•		
.22         Forks section x width x length         s / e / l         45 mm x 100 mm / 1200 mm           .23         Fork carriage ISO 2328 (class/form) A / B         3A           .31         Ground clearance below mast         m1         300 mm           .32         Ground clearance at centre of wheelbase         m2         310 mm           .33         A isle width for 1000 x 1200 pallet widthways         Ast         5461 mm           .35         Tuming radius         Wa         3435 mm           .51         Tavel speed (laden / unladen)         12 km/h / 24.50 km/h           .52         Lifting speed (laden / unladen)         0.50 m/s / 0.30 m/s           .53         Lowering speed (laden / unladen)         0.50 m/s / 0.30 m/s           .54         Drawbar pull (Laden)         3100 daN           .57         Gradeability (laden)         46 %           .57         Gradeability (laden)         Hydraulic brakes by loss of pressure           .57         Engine brand / model / norm         Klubota / Dil803 CRT ESB / Stage V           .7.1         Engine brand / model / norm         Klubota / Dil803 CRT ESB / Stage V           .7.2         Engine power (Hp / kW)         Klubota / Dil803 CRT ESB / Stage V           .7.3         Rated speed         3 - 1826 cm²		·		
Fork carriage ISO 2328 (class/form) A/B   3A   3A   300 mm   300				
3.31       Ground clearance below mast       m1       300 mm         .32       Ground clearance at centre of wheelbase       m2       310 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       5461 mm         .35       Tuming radius       Wa       3435 mm         Performances		•	s / e / l	
.32       Ground clearance at centre of wheelbase       m2       310 mm         .33       Aisle width for 1000 x 1200 pallet widthways       Ast       5461 mm         .35       Tuming radius       Wa       3435 mm         Ferformances         5.1       Travel speed (laden / unladen)       12 km/h / 24.50 km/h         5.2       Lifting speed (laden / unladen)       0.47 m/s / 0.46 m/s         5.3       Lowering speed (laden / unladen)       0.50 m/s / 0.30 m/s         5.5       Drawbar pull (Laden)       3100 daN         5.7       Gradeability (laden)       46 %         6.7       Service brake       Hydraulic brakes by loss of pressure         7.1       Engine       Hydrostatic         7.1       Engine brand / model / norm       Kubota / D1803 CRT E5B / Stage V         7.2       Engine power (Hp / kW)       50 Hp/37 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         7.4       Number of cylinders / Capacity of cylinders       42 l/min         8.1       Type of drive control       Electronic		Fork carriage ISO 2328 (class/form) A/B		
.33       Aisle width for 1000 x 1200 pallet widthways       Ast       5461 mm         .35       Tuming radius       Wa       3435 mm         Performances         5.1       Travel speed (laden / unladen)       12 km/h / 24.50 km/h         5.2       Lifting speed (laden / unladen)       0.47 m/s / 0.46 m/s         5.3       Lowering speed (laden / unladen)       0.50 m/s / 0.30 m/s         5.5       Drawbar pull (Laden)       3100 daN         5.7       Gradeability (laden)       46 %         6.10       Service brake       Hydraulic brakes by loss of pressure         7.1       Engine       Hydraulic brakes by loss of pressure         7.1       Engine brand / model / norm       Kubota / D1803 CRT E5B / Stage V         7.2       Engine power (Hp / kW)       50 Hp/37 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 1826 cm³         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       42 l/min				
Tuming radius Wa 3435 mm  Performances  5.1 Travel speed (laden / unladen) 12 km/h / 24.50 km/h 5.2 Lifting speed (laden / unladen) 0.47 m/s / 0.46 m/s 5.3 Lowering speed (laden / unladen) 0.50 m/s / 0.30 m/s 5.5 Drawbar pull (Laden) 3100 daN 5.7 Gradeability (laden) 46 % 6.10 Service brake Hydraulic brakes by loss of pressure Transmission type Hydrostatic  Fingline  7.1 Engine brand / model / norm Kubota / D1803 CRT E58 / Stage V 7.2 Engine power (Hp / kW) 50 Hp/37 kW 7.3 Rated speed 2700 rpm 7.4 Number of cylinders / Capacity of cylinders 3 3 - 1826 cm³  Miscellaneous  8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 42 l/min	1.32	Ground clearance at centre of wheelbase	m2	310 mm
Performances           5.1         Travel speed (laden / unladen)         12 km/h / 24.50 km/h           5.2         Lifting speed (laden / unladen)         0.47 m/s / 0.46 m/s           5.3         Lowering speed (laden / unladen)         0.50 m/s / 0.30 m/s           5.5         Drawbar pull (Laden)         3100 daN           5.7         Gradeability (laden)         46 %           5.10         Service brake         Hydraulic brakes by loss of pressure           Transmission type         Hydraulic brakes by loss of pressure           7.1         Engine         Kubota / D1803 CRT ESB / Stage V           7.2         Engine power (Hp / kW)         50 Hp/37 kW           7.2         Engine power (Hp / kW)         50 Hp/37 kW           7.3         Rated speed         2700 rpm           7.4         Number of cylinders / Capacity of cylinders         3 - 1826 cm³           8.1         Type of drive control         Electronic           8.3         Oil flow rate for attachments         42 l/min	I.33 A	Aisle width for 1000 x 1200 pallet widthways	Ast	5461 mm
5.1       Travel speed (laden / unladen)       12 km/h / 24.50 km/h         5.2       Lifting speed (laden / unladen)       0.47 m/s / 0.46 m/s         5.3       Lowering speed (laden / unladen)       0.50 m/s / 0.30 m/s         5.5       Drawbar pull (Laden)       3100 daN         5.7       Gradeability (laden)       46 %         6.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         6.7.1       Engine       Kubota / D1803 CRT ESB / Stage V         7.2       Engine power (Hp / kW)       50 Hp/37 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       42 l/min	1.35	Furning radius	Wa	3435 mm
5.2       Lifting speed (laden / unladen)       0.47 m/s / 0.46 m/s         5.3       Lowering speed (laden / unladen)       0.50 m/s / 0.30 m/s         5.5       Drawbar pull (Laden)       3100 daN         5.7       Gradeability (laden)       46 %         6.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type         Engine         7.1       Engine brand / model / norm       Kubota / D1803 CRT E5B / Stage V         7.2       Engine power (Hp / kW)       50 Hp/37 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Electronic         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       42 l/min	F	Performances		
5.3       Lowering speed (laden / unladen)       0.50 m/s / 0.30 m/s         5.5       Drawbar pull (Laden)       3100 daN         5.7       Gradeability (laden)       46 %         5.10       Service brake       Hydraulic brakes by loss of pressure         Transmission type       Hydrostatic         Engine       Kubota / D1803 CRT ESB / Stage V         7.2       Engine power (Hp / kW)       50 Hp/37 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous       Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       42 l/min	5.1 1	Travel speed (laden / unladen)		12 km/h / 24.50 km/h
5.5 Drawbar pull (Laden) 5.7 Gradeability (laden) 5.7 Gradeability (laden) 5.7 Gradeability (laden) 5.7 Service brake Transmission type  Engine 7.1 Engine brand / model / norm 7.2 Engine power (Hp / kW) 7.3 Rated speed 7.4 Number of cylinders / Capacity of cylinders  Miscellaneous  8.1 Type of drive control 8.3 Oil flow rate for attachments  3100 daN 46 % Hydraulic brakes by loss of pressure Hydrostatic  Kubota / D1803 CRT E5B / Stage V  50 Hp/37 kW 50 Hp/37 kW 50 Hp/37 kW 51 Hp/37 kW 52 Hgine power (Hp / kW) 53 - 1826 cm³ 54 Light control 55 Light control 66 Light control 67 Light control 68 Light control 69 Light control 60 Light control 61 Light control 62 Light control 63 Light control 64 Light control 65 Light control 66 Light control 67 Light control 67 Light control 68 Light control 68 Light control 69 Light control 69 Light control 60 Light control 61 Light control 61 Light control 62 Light control 63 Light control 64 Light control 65 Light control 65 Light control 65 Light control 65 Light control 66 Light control 67 Light control 67 Light control 67 Light control 68 Light control 69 Light control 69 Light control 60 Light control 61 L	5.2 L	Lifting speed (laden / unladen)		0.47 m/s / 0.46 m/s
Gradeability (laden)  Service brake Transmission type  Engine 7.1 Engine brand / model / norm 7.2 Engine power (Hp / kW) 7.3 Rated speed 7.4 Number of cylinders / Capacity of cylinders Miscellaneous 8.1 Type of drive control 8.3 Oil flow rate for attachments  46 % Hydraulic brakes by loss of pressure Hydrostatic  Kubota / D1803 CRT E5B / Stage V  50 Hp/37 kW  50 Hp/37 kW  2700 rpm 3 - 1826 cm³  Electronic	5.3 L	_owering speed (laden / unladen)		0.50 m/s / 0.30 m/s
Service brake Transmission type  Engine 7.1 Engine brand / model / norm 7.2 Engine power (Hp / kW) 7.3 Rated speed 7.4 Number of cylinders / Capacity of cylinders Miscellaneous 8.1 Type of drive control 8.3 Oil flow rate for attachments  Hydraulic brakes by loss of pressure Hydraulic Brakes by loss of pres	5.5	Drawbar pull (Laden)		3100 daN
Transmission type  Engine 7.1 Engine brand / model / norm 7.2 Engine power (Hp / kW) 7.3 Rated speed 7.4 Number of cylinders / Capacity of cylinders  Miscellaneous  8.1 Type of drive control 8.3 Oil flow rate for attachments  Hydrostatic  Kubota / D1803 CRT E5B / Stage V  Kubota / D1803 CRT E5B / Stage V  50 Hp/37 kW  50 Hp/37 kW  2700 rpm  3 - 1826 cm³  Electronic	5.7	Gradeability (laden)		46 %
Engine         Kubota / D1803 CRT E5B / Stage V           7.1         Engine brand / model / norm         Kubota / D1803 CRT E5B / Stage V           7.2         Engine power (Hp / kW)         50 Hp/37 kW           7.3         Rated speed         2700 rpm           7.4         Number of cylinders / Capacity of cylinders         3 - 1826 cm³           Miscellaneous         Image: Company of the control of t	5.10 \$	Service brake		Hydraulic brakes by loss of pressure
7.1       Engine brand / model / norm       Kubota / D1803 CRT E5B / Stage V         7.2       Engine power (Hp / kW)       50 Hp/37 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       42 l/min	1	Transmission type		Hydrostatic
7.2       Engine power (Hp / kW)       50 Hp/37 kW         7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       42 l/min	E	Engine Control of the		
7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       42 l/min	7.1 E	Engine brand / model / norm		Kubota / D1803 CRT E5B / Stage V
7.3       Rated speed       2700 rpm         7.4       Number of cylinders / Capacity of cylinders       3 - 1826 cm³         Miscellaneous         8.1       Type of drive control       Electronic         8.3       Oil flow rate for attachments       42 l/min		•		*
7.4 Number of cylinders / Capacity of cylinders 3 - 1826 cm³  Miscellaneous  8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 42 l/min				·
Miscellaneous  8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 42 l/min		·		· ·
8.1 Type of drive control Electronic 8.3 Oil flow rate for attachments 42 l/min				
8.3 Oil flow rate for attachments 42 l/min				Electronic
		•		

### MC 30-4 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 45
12	12	12
10	10	10
2338	2598	3038
117	117	117
3300	3700	4500
4090	4490	5290
1400	1400	500
1400	1400	500
2700	2700	2800
2700	2700	2800
	•	

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
α - Mast/fork carriage tilt, forward	۰	12	12	12	12	12	6
β - Mast/fork carriage tilt, backward	۰	10	10	10	10	10	6
h1 - Mast lowered height	mm	1988	2088	2188	2338	2438	2788
h2 - Mast free lift	mm	1235	1335	1435	1585	1685	2035
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500
h4 - Mast extended height	mm	4236	4536	4836	5136	5536	6336
Residual capacity at max height	kg	1900	1500	1300	1400	430	500
Residual capacity with hooked-on side shift at max heigth	kg	1800	1400	1250		400	400
Height at max capacity	mm	2700	2600	2700	3100	2700	2500
Height at max capacity with hooked-on sideshift	mm	2700	2600	2700		2700	2500

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	۰	12
β - Mast/fork carriage tilt, backward	۰	10
h1 - Mast lowered height	mm	1878
h2 - Mast free lift	mm	129
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4079
Height at max capacity	mm	2500

## **Equipment**

Standard	
Closed cab	
Differential Lock	
Easy link	
Ecostop	
Front tires - Rough terrain profil	
Inching Pedal	
Mechanical suspension PVC seat - Grammer MSG65	
Open cab	
Oscillating rear axle	
Rear tires - Rough terrain profil	
Rear working light	
Switch 2WD / 4WD	

Optional	
Audio warning on reverse	
Enclosed Cab with Heat and A/C	
Front and Rear - Work Lights	
Joystick Switch and Move (JSM)	
LED Rotative Beacon	
Load backrest	
Open cab	
Pneumatic seat	
Sideshift carriage	





#### **Head Office**

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