Technical sheet:

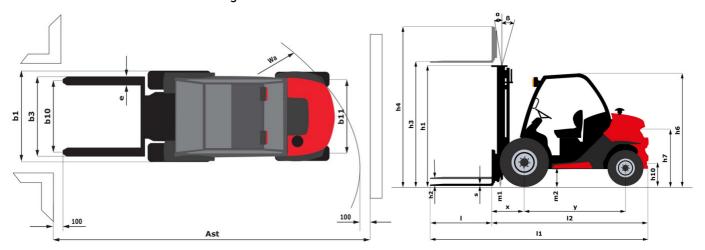
MC 30-2 ST5





Model Name
1.3 Power source Diesel 1.4 Operator type Seated 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 626 mm 1.9 Wheelbase Y 1900 mm Weight Weight 2 Standard mast reference of the machine FVD 33 2.1 Service weight 4220 kg 2.2 Weight on front axle (laden) / rear axle (laden) 2 Weight on front axle (lunladen) / rear axle (Unladen) 3.1 Tires type 570 kg / 650 kg 3.2 Dimensions of front wheels Proposition of front wheels 3.3 Dimensions of front wheels 12,580-18/12 kg 3.5 Number of front wheels / rear wheels 2 2 3.5 Number of drive wheels 2 2 3.5 Number of drive wheels 2 2 3.5 Number of drive wheels 5 2 2 3.5 Sear wheel gauge bill 1176 mm 4.7 Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version) h6 / h6* 4.8 Sea height/stand height 4265 mm 4.9 Overall length 14265 mm 4.10 Overall length 14265 mm 4.20 Fork section x width x length 5 3 1260 mm 4.21 Overall drive width 1 1 4265 mm 4.22 Fork sareige width 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 4.24 Fork carriage width 6 6 6 6 6 4.25 Fork carriage width 6 6 6 6 6 4.26 Fork carriage width 6 6 6 6 6 4.27 Fork carriage width
1.4 Operator type Seated 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 626 mm 1.9 Wheelbase y 1900 mm 2.1 Senrice weight FVD 33 4220 kg 4220 kg 2.2 Weight on front axle (laden) / rear axle (laden) 1570 kg / 2650 kg 4220 kg 2.2 Weight on front axle (Unladen) / rear axle (Unladen) 1570 kg / 2650 kg 1570 kg / 2650 kg 2.1 Tires type Peneumatic 1570 kg / 2650 kg 3.1 Tires type Peneumatic 12,5/80-18/12 kL kd 3.2 Dimensions of front wheels 2 7,00-12/12 ED PLUS 3.5 Number of front wheels / rear wheels 2 2 3.5 Number of drive wheels 1 2 3.6 Front wheel gauge b10 1175 mm 3.7 Rear wheel gauge b10 1175 mm 4.7 Height of overh
1.5 Max. capacity Q 3000 kg 1.6 Load center of gravity c 500 mm 1.8 Load distance, cente of drive axle to fork x 626 mm 1.9 Wheelbase y 1900 mm Neight FVD 33 2.1 Standard mast reference of the machine FVD 33 2.2 Weight on front axle (laden) / rear axle (tiden) 6570 kg / 650 kg 2.2 Weight on front axle (Unladen) / rear axle (tiden) 1570 kg / 2650 kg 2.3 Weight on front axle (Unladen) / rear axle (tiden) 1570 kg / 2650 kg 2.1 Tites type 1570 kg / 2650 kg 3.1 Tites type 7.00-12/12 ED PLUS 3.2 Dimensions of front wheels 12,5/80-18/12 SL R4 3.3 Dimensions of front wheels / rear wheels 2 3.5 Number of front wheels / rear wheels 2 3.5 Number of front wheels / rear wheels 2 3.7 Rear wheel gauge b10 1159 mm 4.7 Height of owhead guard (cabin) / Overall height of low owehead guard (Buggie version)
1.6 Load center of gravity c 500 mm 1.8 Load distance, centre of drive axle to fork x 626 mm 1.9 Wheelbase y 19000 mm Verlight FVD 33 2.1 Service weight 4220 kg 4220 kg 2.2 Weight on front axle (laden) / rear axle (laden) 6570 kg / 650 kg 2.3 Weight on front axle (Unladen) / rear axle (Unladen) - 1570 kg / 2650 kg 3.1 Tires type Pneumatic - 1570 kg / 2650 kg 3.2 Dimensions of front wheels - 12,5/80-18/12 St. R4 - <t< td=""></t<>
1.6 Load center of gravity c 500 mm 1.8 Load distance, centre of drive axle to fork x 626 mm 1.9 Wheelbase y 1900 mm Verlight FVD 33 2.1 Sandard mast reference of the machine 4220 kg 4220 kg 2.2 Weight on front axle (laden) / rear axle (laden) 56570 kg / 650 kg 1570 kg / 2650 kg 2.2 Weight on front axle (Unladen) / rear axle (Unladen) 1570 kg / 2650 kg 1570 kg / 2650 kg 2.3 Weight on front axle (Unladen) / rear axle (Unladen) 65750 kg / 650 kg 1570 kg / 2650 kg 3.1 Tires type Pneumatic 12,5/80-18/12 St. Rd 3.2 Dimensions of front wheels 12,5/80-18/12 St. Rd 3.3 3.5 Number of front wheels / rear wheels 2 2 / 2 3.5.2 Number of front wheels / rear wheels 2 2 / 2 3.5.2 Front wheel gauge b10 1159 mm 4.7 Height of owehead quard (cabin) / Overall height of low owefhead guard (Buggie version) h6/6* 2 2
1.8
Wheelbase
Standard mast reference of the machine FVD 33 2.1 Service weight 4220 kg 2.2 Weight on front axle (laden) / rear axle (laden) 6570 kg / 550 kg 2.3 Weight on front axle (Unladen) / rear axle (Unladen) 1570 kg / 2650 kg Wheels 3.1 Tires type Pneumatic 3.2 Dimensions of front wheels 12,5/80-18/12 SL R4 3.3 Dimensions of rear wheels 7,00-12/12 ED PLUS 3.5.2 Number of front wheels / rear wheels 2 3.5.2 Number of drive wheels 2 3.6 Front wheel gauge b10 1159 mm 3.7 Rear wheel gauge b11 1176 mm 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 h7 1034 mm 4.20 Length to face of forks 12 3085 mm 4.21 Overall width b1 145 mm x 100 mm
2.1 Service weight 4220 kg 2.2 Weight on front axle (laden) / rear axle (Unladen) 6570 kg / 650 kg 2.3 Weight on front axle (Unladen) / rear axle (Unladen) 1570 kg / 2650 kg Wheels 3.1 Tires type Pneumatic 3.2 Dimensions of front wheels 12,5/80-18/12 SL R4 3.3 Dimensions of rear wheels 7,00-12/12 ED PLUS 3.5.2 Number of front wheels / rear wheels 2 2 3.5.2 Number of firont wheels / rear wheels b10 1159 mm 3.6 Front wheel gauge b10 1159 mm 3.7 Rear wheel gauge b11 1176 mm 4.7 Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version) h6 / h6² 2155 mm / 1990 mm 4.8 Seat height/stand height h7 1034 mm 4.9 Overall length h6 / h6² 2155 mm / 1990 mm 4.20 Length to face of forks 12 3085 mm 4.21 Overall width x length s / e / l 45 mm x 100 mm / 1200 mm 4.22 Fork carriage ISO 2328 (class/form) A/B s / e / l
2.2 Weight on front axle (Unladen) / rear axle (Unladen) 6570 kg / 650 kg 2.3 Weight on front axle (Unladen) / rear axle (Unladen) 1570 kg / 2650 kg Wheels 3.1 Tires type Pneumatic 3.2 Dimensions of front wheels 12,5/80-18/12 SL R4 3.3 Dimensions of rear wheels 7,00-12/12 ED PLUS 3.5 Number of front wheels / rear wheels 2 3.6 Front wheel gauge b10 1159 mm 3.7 Rear wheel gauge b10 1176 mm 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 h7 1034 mm 4.20 Length to face of forks 12 3085 mm 4.21 Overall width b1 1450 mm 4.22 Fork section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage width 53 1260 mm 4.24 Fork carriage width 53 1260 mm 4.
2.3 Weight on front axle (Unladen) / rear axle (Unladen) 1570 kg / 2650 kg
Wheels Pneumatic 3.1 Tires type Pneumatic 3.2 Dimensions of front wheels 12,5/80-18/12 SL R4 3.3 Dimensions of rear wheels 7,00-12/12 ED PLUS 3.5 Number of firnt 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 1176 mm 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 11 4265 mm 4.20 Length to face of forks 12 3085 mm 4.21 Overall width b1 1450 mm 4.22 Fork section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage lSO 2328 (class/form) A/B b3 1260 mm 4.24 Fork carriage width b3 1260 mm 4.31 Groun
3.1 Tires type Pneumatic 3.2 Dimensions of front wheels 12,5/80-18/12 SL R4 3.3 Dimensions of rear wheels 7,00-12/12 ED PLUS 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 1176 mm 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 11 4265 mm 4.20 Length to face of forks 12 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage iSO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
3.2 Dimensions of front wheels 12,5/80-18/12 SL R4 3.3 Dimensions of rear wheels 7,00-12/12 ED PLUS 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 1176 mm 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 i1 42655 mm 4.20 Length to face of forks i2 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 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
3.3 Dimensions of rear wheels 7,00-12/12 ED PLUS 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 1176 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 11 4265 mm 4.20 Length to face of forks 12 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage lSO 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
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 1176 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 4.19 Overall length 11 4265 mm 4.20 Length to face of forks 12 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
3.5.2 Number of drive wheels 2 3.6 Front wheel gauge b10 1159 mm 3.7 Rear wheel gauge b11 1176 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 11 4265 mm 4.20 Length to face of forks 12 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 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
3.6 Front wheel gauge b10 1159 mm 3.7 Rear wheel gauge b11 1176 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 11 4265 mm 4.20 Length to face of forks 12 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length \$/e/I 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
Rear wheel gauge b11 1176 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 4265 mm 4.20 Length to face of forks l2 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 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 4265 mm 4.20 Length to face of forks l2 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
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 4265 mm 4.20 Length to face of forks l2 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
4.8 Seat height/stand height h7 1034 mm 4.19 Overall length l1 4265 mm 4.20 Length to face of forks l2 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
4.19 Overall length I1 4265 mm 4.20 Length to face of forks I2 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length \$ / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
4.20 Length to face of forks 12 3085 mm 4.21 Overall width b1 1450 mm 4.22 Forks section x width x length \$ / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
4.21 Overall width b1 1 450 mm 4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
4.22 Forks section x width x length s / e / l 45 mm x 100 mm / 1200 mm 4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
4.23 Fork carriage ISO 2328 (class/form) A/B 3A 4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
4.24 Fork carriage width b3 1260 mm 4.31 Ground clearance below mast m1 300 mm
4.31 Ground clearance below mast m1 300 mm
4.32 Ground clearance at centre of wheelbase m2 320 mm
4.33 Aisle width for 1000 x 1200 pallet widthways Ast 4626 mm
4.35 Tuming radius Wa 2650 mm
Performances Total control (Indian Ameliana)
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 / Unladen) 1700 daN / 910 daN
5.7 Gradeability (laden / unladen) 24 % / 22 %
5.10 Service brake Hydraulic brakes by loss of pressure
Engine
7.2 Engine power according to ISO 1585 37 kW
7.1 Engine brand / model / norm Kubota / D1803 CRT E5B / Stage V
7.2 Engine power according to ISO 1585 37 kW
7.3 Rated speed 2700 rpm
7.4 Number of cylinders / Capacity of cylinders 3 - 1826 cm ³
Miscellaneous 8.1 Type of drive control Electronic
8.2 Working hydraulic pressure for attachments 220 bar
8.3 Oil flow rate for attachments 42 l/min
8.4 Sound level at the driver's ear according to DIN 12 053 79 dB

MC 30-2 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 45
Mast/fork carriage tilt, forward	۰	12	12	12
Mast/fork carriage tilt, backward	۰	10	10	10
h1 - Mast lowered height	mm	2338	2598	3038
h2 - Mast free lift	mm	117	117	117
h3 - Mast lifting height	mm	3300	3700	4500
h4 - Mast extended height	mm	4090	4490	5290
Residual capacity at max height	kg	1400	1400	500
Residual capacity with hooked-on side shift at max heigth	kg	1400	1400	500
Height at max capacity	mm	2700	2700	2800
Height at max capacity with hooked-on sideshift	mm	2700	2700	2800

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
Mast/fork carriage tilt, forward	۰	12	12	12	12	12	6
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
Mast/fork carriage tilt, forward	٠	12
Mast/fork carriage tilt, backward	٠	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





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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes