Technical sheet :

## **M 70-2 H D ST5**





M 70-2 H D ST 5	Created on August 2	2, 2025 at 1:22 AM UTC
-----------------	---------------------	------------------------

Metric MANITOU M 70-2 H D ST5 Diesel Seated

> 7000 kg 600 mm

803 mm 2493 mm FVD 40 9880 kg 14954 kg / 1926 kg 4040 kg / 5840 kg Inflatable 18R19.5 8T N20XF 265/70R19.5 6T P30HT3 2 / 2 2 1700 mm

1545 mm

2475 mm 1485 mm

5700 mm

4200 mm

2155 mm

70 mm x 150 mm / 1500 mm

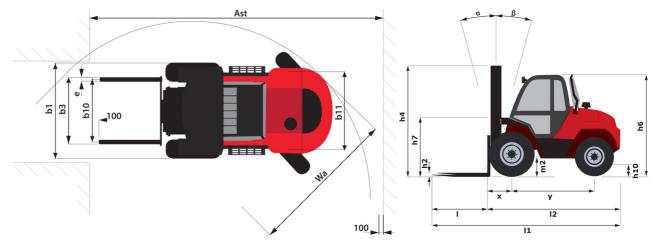
4A 1750 mm

300 mm 410 mm

6703 mm 6703 mm

Technical characteristics       1.1     Monufacturer       1.2     Model Name       1.3     Power source       1.4     Operator type       1.5     Max. capacity     Q       1.6     Load denter of graty     c       1.8     Load denter of graty     c       1.9     Wheelbase     y       Velpht     Sandati mastreference of the machine     x       2.1     Service weight     C       2.2     Weight on front axie (landen)     Yeight       2.3     Weight on front axie (landen)     Yeight on front axie (landen)       2.4     Weight on front axie (landen)     Yeight on front axie (landen)       2.3     Weight on front axie (landen)     Yeight on front axie (landen)       2.4     Weight on front axie (landen)     Yeight on front axie (landen)       2.3     Weight on front axie (landen)     Yeight on services       3.4     Tites type     Dimensions of front wheels     Yeight on services       3.5     Number of front wheels     Pront wheelg auge     bit       4.7     Height on services     Pront wheelg auge     bit       4.7     Height			
1.2     Model Name       1.3     Power source       1.4     Operator type       1.5     Max. capacity     Q       1.6     Load center of gravity     c       1.8     Load distance, centre of dire axle to fork.     X       1.9     Wheelbase     y       Weight     Y     Y       Weight     Y     Y       2.1     Secret: weight on front sale (laden) / rear ate (daten)     Y       2.2     Weight on front sale (laden) / rear ate (daten)     Y       3.3     Dimensions of front wheels     S       3.4     Dimensions of front wheels     S       3.5.2     Number of front wheels     S       3.6     Fort wheel gauge     D10       3.7     Rear wheel gauge     D11       1.8     Operations     N       4.1     Using to an theight for the disting to the dis		Technical characteristics	
1.3     Power source       1.4     Operator type       1.5     Max: capacity     Q       1.6     Load center of gravity     c       1.8     Load distance, centre of the wate to fork.     x       1.9     Wheelbase     y       Weight     C     x       2.1     Service wright     C       2.2     Weight on front axie (fuden) / rear axie (fuden)     x       2.3     Weight on front axie (fuden) / rear axie (fuden)     x       3.1     Tires type     x       3.2     Dimensions of front wheels     x       3.3.5     Number of front wheels     x       3.4.7     Rear wheel graupe     b10       3.7     Rear wheel graupe     b11       Dimensions     front wheel graupe     b11       4.7     Height of ore-thed graupe     b10       3.7     Rear wheel graupe     b11       4.20     Length of face of forks     iz       4.21     Owenil wright x length     h7       4.22     Fork carringe With     b3       4.33     Ground Cleasnorce below mast     m1	1.1	Manufacturer	
1.4   Operator type     1.5   Max. capacity     1.6   Load center of gravy     2   Condistance, center of drive axle to fork     1.9   Weelphase     9   Weelphase     2.1   Standard mast reference of the machine     2.2   Weight on front sake (laden) / rear axle (laden)     2.3   Weight on front sake (laden) / rear axle (laden)     2.4   Weight on front sake (laden) / rear axle (laden)     3.3   Dimensions of frax wheels     3.4   Tires type     3.5   Number of front wheels     3.5.2   Number of front wheels     3.5.2   Number of front wheels     3.5.4   Front wheel gauge     4.7   Height of ownhead gaard (cabin)     4.8   Sea theight/Stand height     1.1   Autor of froks     2.2   Fork saction x widh x length     4.3   Gound clearance a contert of wheelsae     3.4   Fork carriage Widh     5.5   Gound clearance a contert of wheelsae     4.3   Gound clearance a contert of wheelsae     5.7   Grade saltheight con salth	1.2	Model Name	
1.5   Max. capacity   Q     1.6   Load cleater of gravity   c     1.8   Load distance, center of dive axile to fork   x     1.9   Wheelbase   y     2.1   Stricte weight   y     2.2   Weight on front axie (laten) / tear axie (laten)   x     2.3   Weight on front axie (laten) / tear axie (laten)   x     3.4   Three type   x     3.5   Number of front wheels   x     3.6   Front wheel gauge   b10     3.7   Rear wheel gauge   b11     3.6   Front wheel gauge   b11     3.7   Rear wheel gauge   b11     3.8   Sett height of overhead guant (cabin)   h6     4.7   Height of overhead guant (cabin)   h6     4.8   Set height of overhead guant (cabin)   h1     4.7   Height of overhead guant (cabin)   h6     4.8   Set height of overhead guant (cabin)   h6     4.7   Height of overhead guant (cabin)   h6     4.8   Set height of overhead guant (cabin)   h6     4.20   Length   h7     4.21   Pork ascein on x with x length   h7     4.22   Fork ascein on x with x length   h3     4.	1.3	Power source	
1.6   Load center of gravity   c     1.8   Load distance, center of dive axte to fork   x     1.9   Winght   y     Standard mast reference of the machine   y     2.1   Standard mast reference of the machine   y     2.2   Weight on front axte ((laden) / rear axte ((laden))   y     3.3   Wineblas   y     3.4   Wineblas   y     3.5   Number of front wheels   y     3.6   Front wheels quage   b10     3.7   Tree stype   y     3.6   Front wheels quage   b11     1   Dimensions of ford wheels   y     3.7   Heagthof orethead guage (cabin)   h6     3.8   Sast heightrist or strest (laden)   h7     4.7   Height of orethead guage (cabin)   h6     4.8   Sast heightrist or strest (laden)   h7     4.9   Overall length   h7     4.19   Overall width   b1     4.20   Length of face of forks   i2     21   Overall width   b3     4.31   Grud clearance betwees   m2     4.22   Fork cariage B0 228 (clear/orm) A/8   st e/ /1     4.23   Grud clearance betwees   m2 <td>1.4</td> <td>Operator type</td> <td></td>	1.4	Operator type	
1.8   Load distance, centre of drive axle to fork   x     1.9   Weight   y     Standard mast reference of the machine   x     2.1   Service weight   x     2.2   Weight on front axle (Juliaden) / rear axle (Juliaden)   x     2.3   Weight on front axle (Juliaden) / rear axle (Juliaden)   x     3.4   Dimensions of front wheels   x     3.5   Number of front wheels   x     3.6   Front wheel gauge   b10     3.7   Rear wheel gauge   b11     Dimensions of order wheels   x     3.6   Front wheel gauge   b11     Dimensions of order wheels   x     4.7   Height of ordered guard (cabin)   h6     4.8   Seat height/Stand height   h7     4.19   Overall length   b1     4.20   Length ho tea of forks   12     4.21   Overall width   kength     4.22   Fork cariage ISO 2228 (class/form) A/B   b1     4.23   Ground clearance below mast   m1     4.34   Alse width for 100 x 1200 pallet widthways   Ast     4.35   Tuming radius   b3     5.10   Sarriege I (laden / unladen)   x     5.2   Lifting speed (laden	1.5		Q
1.8   Load distance, centre of drive axle to fork   x     1.9   Wheelbase   y     2.1   Standard mast reference of the machine	1.6		
1.9   Weight   y     2.1   Service weight   1     2.2   Weight on front axle (laden) / rear axle (landen)   1     2.3   Weight on front axle (laden) / rear axle (landen)   1     2.3   Weight on front axle (laden) / rear axle (landen)   1     3.1   Titres type   1     3.2   Dimensions of treat wheels   1     3.3   Dimensions of treat wheels   1     3.5   Number of drive wheels   5     3.5.2   Number of drive wheels   5     3.5   Number of drive wheels   5     3.6   Front wheel gauge   50     3.7   Rear wheel gauge   50     3.8   Seat height/stand height   6     4.7   Height of owned guard (cabin)   6     4.8   Seat height/stand height   11     4.20   Length to face of forks   12     4.21   Dereal length   51     4.22   Fork carringe 50 2328 (class/form) A/B   51     4.23   Fork carringe 50 2328 (class/form) A/B   53     4.24   Fork carringe 50 2328 (class/form) A/B   53     4.33   Ailse width for 1000 x 1200 pallet widthways   54     4.34   Ailse width for 80 x 1200 pallet widthways	1.8		x
Weight   Image: Standard mast reference of the machine     2.1   Service weight     2.2   Weight on front axie (laden) / rear axie (laden)     2.3   Weight on front axie (laden) / rear axie (laden)     3.3   Tires type     3.1   Tires type     3.2   Dimensions of front wheels     3.3   Dimensions of rear wheels     3.4   Dimensions of rear wheels     3.5   Number of front wheels / rear wheels     3.6   Front wheels / rear wheels     3.7   Rear wheel gauge     b10   B17     Otimensions   b10     3.7   Rear wheel gauge     b10   b11     b11   Dimensions     b11   Dimensions     b12   Dimensions     b13   Terr wheel gauge     b14   Seat height/stand height     b17   Height of ovenhead guard (cabin)     b18   Seat height/stand height     c19   Overall length     11   11     4.20   Length of ace of forks     c12   Overall width     c12   Exection x width x length     c14   Sa     c15   Cork acriage width     c16   Ground clearance below mast <t< td=""><td></td><td></td><td></td></t<>			
Standard mast reference of the machine       2.1     Service weight       2.2     Weight on front axie (lufnal // rear axie (lufnaden)       2.3     Weight on front axie (lufnal // rear axie (lufnaden)       3.1     Titres type       3.2     Dimensions of front wheels       3.3     Dimensions of front wheels       3.4     Number of front wheels / rear wheels       3.5     Number of front wheels / rear wheels       3.6     Front wheel gauge       3.7     Brandard gaud (cabin)       4.7     Height of overhead guard (cabin)       4.8     Scat height/stand height       4.7     Height of overhead guard (cabin)       4.8     Scat height/stand height       4.7     Height of overhead guard (cabin)       4.8     Scat height/stand height       4.7     Height of ace of forks       2.2     Fork section x width x length       4.2     Fork section x width x length       4.3     Ground clearance below mast       4.31     Ground clearance below mast       4.32     Fork cariage width     B3       4.33     Aise width for 000 x 1200 pallet lengthways     Ast       4.34 </td <td></td> <td></td> <td></td>			
2.2     Weight on front axle (laden) / rear axle (laden)       2.3     Weight on front axle (lunaden) / rear axle (lunaden)       3.1     Tires type       3.2     Dimensions of front wheels       3.3     Dimensions of rear wheels       3.5     Number of front wheels / rear wheels       3.6     Fort wheel gauge       5.7     Number of drive wheels       7     Height of overhead gauge (abin)       8.6     Fort wheel gauge       9.7     Height of overhead gauge (abin)       4.7     Height of overhead gauge (abin)       4.8     Seat height/stand height       4.7     Height of overhead gauge (abin)       4.8     Seat height/stand height       4.7     Height of overhead gauge (abin)       4.8     Seat height/stand height       4.7     Height of overhead gauge (abin)       4.7     Height of overhead gauge (abin)       5.1     Caradia (abin)       5.2     Fork section x width x length       4.20     Length for a forks       2.1     Overall width for 1000 x 1200 pallet widthways       4.31     Grund clearance a center of wheelbase       m11     Stand dielarance			
2.2     Weight on front axle (laden) / rear axle (laden)       2.3     Weight on front axle (lunaden) / rear axle (lunaden)       3.1     Tires type       3.2     Dimensions of front wheels       3.3     Dimensions of rear wheels       3.5     Number of front wheels / rear wheels       3.6     Fort wheel gauge       5.7     Number of drive wheels       7     Height of overhead gauge (abin)       8.6     Fort wheel gauge       9.7     Height of overhead gauge (abin)       4.7     Height of overhead gauge (abin)       4.8     Seat height/stand height       4.7     Height of overhead gauge (abin)       4.8     Seat height/stand height       4.7     Height of overhead gauge (abin)       4.8     Seat height/stand height       4.7     Height of overhead gauge (abin)       4.7     Height of overhead gauge (abin)       5.1     Caradia (abin)       5.2     Fork section x width x length       4.20     Length for a forks       2.1     Overall width for 1000 x 1200 pallet widthways       4.31     Grund clearance a center of wheelbase       m11     Stand dielarance	2.1	Service weight	
2.3     Weight on front axle (Unladen) / rear axle (Unladen)       Weight on front axle (Unladen) / rear axle (Unladen)       3.1     Tites type       3.2     Dimensions of front wheels       3.3     Dimensions of rear wheels       3.5     Number of front wheels / rear wheels       3.6     Front wheel gauge       3.6     Front wheel gauge       9     Dimensions of       4.7     Height of overhead gauge (cabin)       4.8     Seat height/stand height       11     11       4.20     Length to face of forks       12     Derail width       4.21     Overall width       5.1     Fork carriage width       4.33     Aiste width for 1000 x 1200 pallet widthways       4.34     Turning radius       Wa     Performances       5.1     Travel speed (laden / unladen)       5.2     Diversite for wheel       5.3     Lowering speed (laden / unladen)       5.4     Ford calers for adden       5.5     Drawbar pull (Laden / unladen)       5.1     Travel speed (laden / unladen)       5.2     Lifting speed       7.3		5	
Wheels			
3.1     Tires type       3.2     Dimensions of front wheels       3.3     Dimensions of front wheels       3.5.2     Number of front wheels       3.6     Front wheel gauge       3.6     Front wheel gauge       3.7     Dimensions of ford wheels       3.6     Front wheel gauge       3.7     Bar wheel gauge       4.7     Height of overhead guard (cabin)       4.8     Seat height/stand height       11     Overall length       4.7     Height of fords       2     Overall width       4.19     Overall width       4.20     Length to face of forks       21     Fork carriage ISO 2232 (class/form) A/B       4.21     Fork carriage Width       4.22     Fork carriage Width       4.33     Ground clearance below mast       4.34     Ground clearance steenther of wheelbase       7     Asise width for 800 x 1200 pallet lengthways       4.35     Turning radius       Performances     Mae       7.5     Gradeability (laden / unladen)       5.5     Drawbarpul (Laden / unladen)       5.10     Service	210		
3.2     Dimensions of front wheels       3.3     Dimensions of rar wheels       3.5     Number of front wheels / rear wheels       3.5.2     Number of drive wheels       3.6     Front wheel gauge       3.7     Rear wheel gauge       Dimensions     b10       3.7     Rear wheel gauge       Dimensions     b10       3.7     Rear wheel gauge       Dimensions     b10       4.7     Height of overhead guard (cabin)       4.8     Seat height/stand height       0.1     11       4.20     Length to face of forks       12     Overall width       4.21     Overall width x length       4.22     Fork section x width x length       4.23     Ground clearance below mast       4.31     Ground clearance below mast       4.32     Ground clearance below mast       4.33     Aisle width for 1000 x 1200 pallet widthways       4.34     Aisle width for 800 x 1200 pallet widthways       4.35     Tuming radius       Wa     Performances       5.1     Travel speed (laden / unladen)       5.2     Lifting spee	3.1		
3.3     Dimensions of rear wheels       3.5     Number of front wheels / rear wheels       3.5.2     Number of drive wheels       3.6     Font wheel gauge       3.7     Rear wheel gauge       0     3.7       Rear wheel gauge     b10       3.7     Rear wheel gauge       0     10       2.7     Height or wheels and urant (cabin)       4.8     Seat height/stand height       4.7     Height or wheel or of orks       2.2     Length to face of forks       2.2     Fork section x width x length       4.2.2     Fork carniage ISO 2328 (class/form) A/B       4.3.1     Ground clearance at centre of wheelbase       4.3.2     Ground clearance at centre of wheelbase       4.3.3     Aisle width for 1000 x 1200 pallet widthways       4.3.4     Aisle width for 1000 x 1200 pallet widthways       4.3.5     Tuming radius       Waa     Performances       5.1     Travel speed (laden / unladen)       5.2     Lifting speed (laden / unladen)       5.3     Lowering speed (laden / unladen)       5.4     Service brake       7.1     Engine brand			
3.5     Number of from wheels       3.5.2     Number of drive wheels       3.6     Front wheel gauge       3.7     Rear wheel gauge       3.7     Rear wheel gauge       4.7     Height of owefhead guard (cabin)       4.8     Seat height/Stand height       4.7     Height of owefhead guard (cabin)       4.8     Seat height/Stand height       4.7     Height of owefhead guard (cabin)       4.8     Seat height/Stand height       4.7     Height of owefhead guard (cabin)       4.8     Seat height/Stand height       4.7     Height of acc of forks       11     1       4.20     Length to face of forks       12     Fork scint width k length       4.22     Fork cariage ISO 2328 (class/form) A/B       4.23     Fork cariage width       5.1     Ground clearance below mast       4.33     Aisle width for 1000 x 1200 pallet widthways       4.34     Aisle width for 1000 x 1200 pallet lengthways       4.35     Tuming radius <b>Perfomances</b> Seate Height / Unaden)       5.3     Drawbar pull (Laden / Unladen)       5.4     Seatic			
3.5.2     Number of drive wheels     b10       3.6     Front wheel gauge     b10       3.7     Rear wheel gauge     b11       Dimensions       4.7     Height of overhead guard (cabin)     h6       4.8     Seat height/stand height     h7       4.19     Overall length     11       4.20     Length to face of forks     12       4.21     Overall width     b1       4.22     Fork section x width x length     s / e / l       4.23     Fork carriage NdD     b3       4.31     Ground clearance below mast     m1       4.32     Ground clearance at centre of wheelbase     m2       4.33     Asile width for 1000 x 1200 pallet lengthways     Ast       4.33     Asile width for 800 x 1200 pallet lengthways     Ast       4.34     Tuming radius     Wa       Performances     Wa     Macriage MdD       5.1     Travel speed (laden / unladen)     S       5.2     Lifting speed (laden / unladen)     S       5.3     Lowering speed (laden / unladen)     S       5.4     Engline brand / model / norm     T			
3.6   Front wheel gauge   b10     3.7   Rear wheel gauge   b11     0   Dimensions   b11     4.7   Height of everhead guard (cabin)   h6     4.8   Seat height/stand height   h7     4.19   Overall length   11     4.20   Length to face of forks   12     4.21   Overall width   b1     4.22   Fork section x width x length   s / e / l     4.23   Fork carriage width   b3     4.31   Ground clearance below mast   m1     4.32   Ground clearance below mast   m1     4.33   Aisle width for 1000 x 1200 pallet widthways   Ast     4.34   Aisle width for 1000 x 1200 pallet widthways   Ast     4.35   Turning radius   Wa     Parformances   Wa     5.1   Travel speed (laden / unladen)   Service brake     5.2   Diraken speed (laden / unladen)   Service brake     5.3   Loweing speed (laden / unladen)   Service brake     7.1   Engine brake   Image speed (laden / unladen)     5.3   Loweing speed (laden / unladen)   Service brake     7.1   Engine brake   Image speed speed     7.1   Engine brake   Image speed speed <td></td> <td></td> <td></td>			
3.7   Rear wheel gauge   b11     01mensions   1     4.7   Height of overhead guard (cabin)   h6     4.8   Seat height/stand height   h7     4.19   Overall length   11     4.20   Length to face of forks   12     4.21   Overall width   b1     4.22   Fork section x width x length   s/ e / l     4.23   Fork carriage ISO 2328 (class/form) A/B   b3     4.31   Ground clearance at centre of wheelbase   m1     4.32   Ground clearance at centre of wheelbase   m2     4.34   Aisle width for 1000 x 1200 pallet widthways   Ast     4.35   Turning radius   Wa     Performances   Wa   Material     5.1   Travel speed (laden / unladen)      5.2   Lifting speed (laden / unladen)      5.3   Lowering speed (laden / unladen)      5.4   Fork cariage speed      7.1   Engine brand / model / norm      7.2   L.C. Engine power rating      7.3   Rated speed      7.4   Nurbeerl of valaden in second      8.2   Winking hydraulic pressure for attachments <t< td=""><td></td><td></td><td>b10</td></t<>			b10
Dimensions     his       4.7     Height of overhead guard (cabin)     his       4.8     Seat height/stand height     hi?       4.19     Overall length     l1       4.20     Length to face of forks     l2       4.21     Overall length     b1       4.22     Fork section x width x length     s / e / l       4.23     Fork carriage iSO 2328 (class/form) A/B     b3       4.24     Fork carriage width     b3       4.31     Ground clearance below mast     m1       4.32     Ground clearance below mast     m1       4.32     Ground clearance below mast     m1       4.33     Aisle width for 1000 x 1200 pallet widthways     Ast       4.34     Aisle width for 800 x 1200 pallet widthways     Ast       4.35     Tuming radius     Wa       Performances       5.1     Travel speed (laden / unladen)     S.1       5.2     Lifting speed (laden / unladen)     S.1       5.3     Lowering speed (laden / unladen)     S.1       5.4     Forgine     S.1       7.1     Engine     S.1       7.2			
4.7Height of overhead guard (cabin)h64.8Seat height/stand heighth74.19Overall length114.20Length to face of forks124.21Owerall widthb14.22Forks section x width x lengths / e / l4.23Fork carriage ISO 2328 (class/form) A/Bb34.31Ground clearance below mastm14.32Ground clearance at centre of wheelbasem24.33Aisle width for 1000 x 1200 pallet widthwaysAst4.34Aisle width for 800 x 1200 pallet lengthwaysAst4.35Turning radiusWaPerformances15.1Travel speed (laden / unladen)15.2Lifting speed (laden / unladen)15.3Lowering speed (laden / unladen)15.10Service brake17.11Engine brand / model / norm17.2I.C. Engine power rating17.3Rated speed17.4Wurber of villaders18.3Oil flow rate for attachments18.3Oil flow rate for attachments1	5.7		011
4.8     Set height/stand height     h7       4.19     Overall length     I1       4.20     Length to face of forks     I2       4.21     Overall width     b1       4.22     Fork section x width x length     s / e / l       4.23     Fork carriage ISO 2328 (class/form) A/B     b3       4.31     Ground clearance below mast     m1       4.32     Ground clearance at centre of wheelbase     m2       4.33     Aisle width for 1000 x 1200 pallet widthways     Ast       4.33     Aisle width for 000 x 1200 pallet lengthways     Ast       4.35     Turning radius     Wa       Performances     Wa     Wa       5.1     Travel speed (laden / unladen)     S.5       5.2     Lifting speed (laden / unladen)     S.5       5.3     Dawbar pull (Laden / Unladen)     S.5       5.4     Tansmission type     Image: Company pull (Laden / Unladen)       5.1     Service brake     Image: Company pull (Laden / unladen)       5.10     Service brake     Image: Company pull (Laden / unladen)       5.10     Service brake     Image: Company pull (Laden / unladen)       5.10 <t< td=""><td>47</td><td></td><td>b6</td></t<>	47		b6
4.19Overall length114.20Length to face of forks124.21Overall widthb14.22Fork section x width x lengths / e / 14.23Fork carriage ISO 2328 (class/form) A/Bb34.31Ground clearance below mastm14.32Ground clearance at centre of wheelbasem24.33A isle width for 1000 x 1200 pallet widthwaysA st4.34A isle width for 1000 x 1200 pallet lengthwaysA st4.35Turning radiusWaPerformancesWa5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.4Service brake7.1Engline brand / model / norm7.2I.C. Engine power rating7.3Rated speed8.2Working hydraulic pressure for attachments8.3Oil flow rate for attachments			
4.20Length to face of forks124.21Overall widthb14.22Forks section x width x lengths / e / l4.23Fork carriage ISO 2328 (class/form) A/Bb34.24Fork carriage widthb34.31Ground clearance below mastm14.32Ground clearance at centre of wheelbasem24.33A isle width for 1000 x 1200 pallet widthwaysAst4.34Aisle width for 800 x 1200 pallet lengthwaysAst4.35Turning radiusWaPerformancesIntravel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.7Gradeability (laden / unladen)5.7Gradeability (laden / unladen)5.10Service brakeTransmission typeImage: Colspan="2">Image: Colspan="2"4.33Lowering speed (laden / unladen)Image: Colspan="2"5.10Service brakeImage: Colspan="2"7.11EngineImage: Colspan="2"7.2			
4.21Overall widthb14.22Forks section x width x lengths / e / l4.23Fork carriage ISO 2328 (class/form) A/Bb34.24Fork carriage widthb34.31Ground clearance below mastm14.32Ground clearance at centre of wheelbasem24.33A isle width for 1000 x 1200 pallet widthwaysAst4.34A isle width for 800 x 1200 pallet lengthwaysAst4.35Turning radiusWaPerformancesWa5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.5Drawbar pull (Laden / unladen)5.10Service brakeTransmission typeImage: Construction of the speed (laden / unladen)7.1Engine7.1Engine brand / model / norm7.2I.C. Engine power rating7.3Rated speed7.4Number of cylindersMiscellaneousImage: Construction of the speed spee			
4.22Forks section x width x length5 / e / 14.23Fork carriage ISO 2328 (class/form) A/Bb34.24Fork carriage widthb34.31Ground clearance below mastm14.32Ground clearance at centre of wheelbasem24.33Aisle width for 1000 x 1200 pallet widthwaysAst4.34Aisle width for 800 x 1200 pallet lengthwaysAst4.35Tuming radiusWaPerformancesWa5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.5Drawbar pull (Laden / Unladen)5.7Gradeability (laden / unladen)5.8Transmission typeEngineImage: Construction of the speed (laden / unladen)7.1Engine brand / model / norm7.2I.C. Engine power rating7.3Rated speed7.4Number of cylindersMiscellaneousImage: Construction of the speed in the spee		-	
4.23Fork carriage ISO 2328 (class/form) A/B4.24Fork carriage widthb34.31Ground clearance below mastm14.32Ground clearance at centre of wheelbasem24.33Aisle width for 1000 x 1200 pallet widthwaysAst4.34Aisle width for 800 x 1200 pallet lengthwaysAst4.35Tuming radiusWaPerformancesWa5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.4Service brakeTransmission typeFigine7.1Engine brand / model / norm7.2L.C. Engine power rating7.3Rated speed7.4Number of cylinders8.2Working hydraulic pressure for attachments0Iflow rate for attachments			
4.24Fork carriage widthb34.31Ground clearance below mastm14.32Ground clearance at centre of wheelbasem24.33Aisle width for 1000 x 1200 pallet widthwaysAst4.34Aisle width for 800 x 1200 pallet lengthwaysAst4.35Turning radiusWaPerformancesWa5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.4Gradeability (laden / unladen)5.5Drawbar pull (Laden / unladen)5.7Gradeability (laden / unladen)5.10Service brakeTransmission typeFigine7.1Engine brand / model / norm7.2I.C. Engine power rating7.3Rated speed7.4Number of cylindersMiscellaneous8.2Working hydraulic pressure for attachments0il flow rate for attachments			3/6/1
4.31Ground clearance below mastm14.32Ground clearance at centre of wheelbasem24.33Aisle width for 1000 x 1200 pallet widthwaysAst4.34Aisle width for 800 x 1200 pallet lengthwaysAst4.35Tuming radiusWaPerformancesWa5.1Travel speed (laden / unladen)			h2
4.32Ground clearance at centre of wheelbasem24.33Aisle width for 1000 x 1200 pallet widthwaysAst4.34Aisle width for 800 x 1200 pallet lengthwaysAst4.35Turning radiusWaPerformancesImage: Second Condent Cond		•	
4.33Aisle width for 1000 x 1200 pallet widthwaysAst4.34Aisle width for 800 x 1200 pallet lengthwaysAst4.35Tuming radiusWaPerformancesImage: Second Se			
4.34Aisle width for 800 x 1200 pallet lengthwaysAst4.35Turning radiusWaPerformancesImage: Second Seco			
4.35     Tuming radius     Wa       Performances     Image: Constraint of the second			
Performances       5.1     Travel speed (laden / unladen)       5.2     Lifting speed (laden / unladen)       5.3     Lowering speed (laden / unladen)       5.4     Travel speed (laden / unladen)       5.5     Drawbar pull (Laden / Unladen)       5.7     Gradeability (laden / unladen)       5.7     Gradeability (laden / unladen)       5.10     Service brake       Transmission type     Image: Comparison of the present of the presen			
5.1Travel speed (laden / unladen)5.2Lifting speed (laden / unladen)5.3Lowering speed (laden / unladen)5.5Drawbar pull (Laden / Unladen)5.7Gradeability (laden / unladen)5.10Service brakeTransmission typeEngine7.1Engine brand / model / norm7.2I.C. Engine power rating7.3Rated speed7.4Number of cylindersMiscellaneous8.2Working hydraulic pressure for attachments8.3Oil flow rate for attachments	4.33	· ·	Wa
5.2     Lifting speed (laden / unladen)       5.3     Lowering speed (laden / unladen)       5.5     Drawbar pull (Laden / Unladen)       5.7     Gradeability (laden / unladen)       5.7     Gradeability (laden / unladen)       5.10     Service brake       Transmission type     Image: Comparison of the provided in the provided i	5.1		
5.3     Lowering speed (laden / unladen)       5.5     Drawbar pull (Laden / Unladen)       5.7     Gradeability (laden / unladen)       5.10     Service brake       Transmission type     Image: Comparison of the service brake       7.1     Engine       7.2     I.C. Engine power rating       7.3     Rated speed       7.4     Number of cylinders       Miscellaneous     Image: Comparison of the service of t			
5.5     Drawbar pull (Laden / Unladen)       5.7     Gradeability (laden / unladen)       5.10     Service brake       Transmission type     Image: Comparison of the provided state st			
5.7     Gradeability (laden / unladen)       5.10     Service brake       Transmission type     Image: Service brake       Engine     Image: Service brake       7.1     Engine brand / model / norm       7.2     I.C. Engine power rating       7.3     Rated speed       7.4     Number of cylinders       Miscellaneous     Image: Service brake       8.2     Working hydraulic pressure for attachments       8.3     Oil flow rate for attachments			
5.10     Service brake       Transmission type     Image: Service brake       Engine     Image: Service brake       7.1     Engine brand / model / norm       7.2     I.C. Engine power rating       7.3     Rated speed       7.4     Number of cylinders       Miscellaneous     Image: Service brattachments       8.2     Working hydraulic pressure for attachments       8.3     Oil flow rate for attachments			
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     Miscellaneous   Image: Comparison of the system			
Engine       7.1     Engine brand / model / norm       7.2     I.C. Engine power rating       7.3     Rated speed       7.4     Number of cylinders       Miscellaneous       8.2     Working hydraulic pressure for attachments       8.3     Oil flow rate for attachments	5.10		
7.1   Engine brand / model / norm     7.2   I.C. Engine power rating     7.3   Rated speed     7.4   Number of cylinders     Miscellaneous     8.2   Working hydraulic pressure for attachments     8.3   Oil flow rate for attachments			
7.2   I.C. Engine power rating     7.3   Rated speed     7.4   Number of cylinders     Miscellaneous     8.2   Working hydraulic pressure for attachments     8.3   Oil flow rate for attachments	71		
7.3     Rated speed       7.4     Number of cylinders       Miscellaneous       8.2     Working hydraulic pressure for attachments       8.3     Oil flow rate for attachments			
7.4   Number of cylinders     Miscellaneous   Image: Comparison of the cylinders     8.2   Working hydraulic pressure for attachments     8.3   Oil flow rate for attachments			
Miscellaneous     8.2   Working hydraulic pressure for attachments     8.3   Oil flow rate for attachments		· · · ·	
8.2   Working hydraulic pressure for attachments     8.3   Oil flow rate for attachments	7.4		
8.3 Oil flow rate for attachments	0.2		
0.4 Juliu level at the universitial according to Driv 12 035			
	0.4		

## M 70-2 H D ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 36	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	۰	15	15	15
β - Mast/fork carriage tilt, backward	۰	15	15	15
h1 - Mast lowered height	mm	3145	3345	3595
h3 - Mast lifting height	mm	3600		4500
h4 - Mast extended height	mm	4960	5360	5860
Residual capacity at max height	kg	7000	7000	5000
Residual capacity with hooked-on side shift at max heigth	kg	6300	6350	3850
Height at max capacity	mm	3600	4000	4000



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