

Ficha técnica :

# MC 18-2 ST5

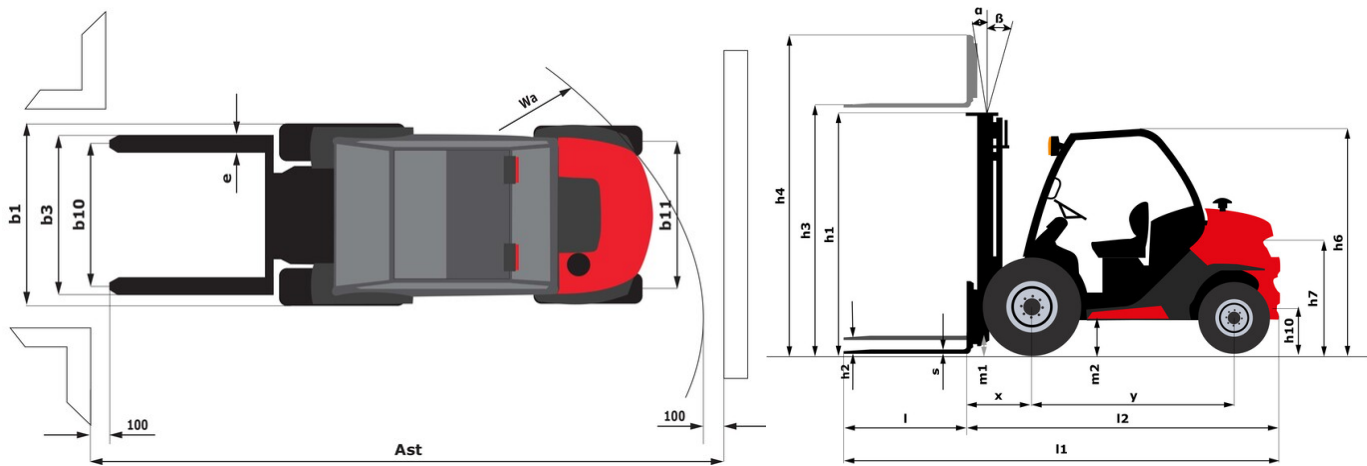
---



 **MANITOU**  
HANDLING YOUR WORLD

|       | Technical characteristics                                                                |           | Métrico                              |
|-------|------------------------------------------------------------------------------------------|-----------|--------------------------------------|
| 1.1   | Manufacturer                                                                             |           | Manitou                              |
| 1.2   | Model Name                                                                               |           | MC 18-2 ST5                          |
| 1.3   | Power source                                                                             |           | Diesel                               |
| 1.4   | Operator type                                                                            |           | Seated                               |
| 1.5   | Max. capacity                                                                            | Q         | 1800 kg                              |
| 1.6   | Load center of gravity                                                                   | c         | 500 mm                               |
| 1.8   | Load distance, centre of drive axle to fork                                              | x         | 616 mm                               |
| 1.9   | Wheelbase                                                                                | y         | 1900 mm                              |
|       | Weight                                                                                   |           |                                      |
| 2.1   | Service weight                                                                           |           | 3440 kg                              |
| 2.2   | Weight on front axle (laden) / rear axle (laden)                                         |           | 4600 kg / 640 kg                     |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)                                     |           | 1590 kg / 1850 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 / 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                              |
|       | 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        | 2950 mm                              |
| 4.21  | Overall width                                                                            | b1        | 1450 mm                              |
| 4.22  | Forks 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                                                  |           | 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                              |
|       | 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 |
|       | Engine                                                                                   |           |                                      |
| 7.2   | Engine power according to ISO 1585                                                       |           | 27 kW                                |
| 7.1   | Engine brand / model / norm                                                              |           | Kubota / D1803 CRE5B / Stage V       |
| 7.2   | Engine power according to ISO 1585                                                       |           | 27 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                           |
| 8.2   | Working hydraulic pressure for attachments                                               |           | 160 bar                              |
| 8.3   | Oil flow rate for attachments                                                            |           | 31 l/min                             |

MC 18-2 ST5 - Diagrama dimensional



## Características de los mástiles y capacidad residual

| Full Visibility Duplex (FVD)                               |    | FVD 33 | FVD 37 | FVD 40 | FVD 45 |
|------------------------------------------------------------|----|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward                           | °  | 12     | 12     | 12     | 12     |
| Mast/fork carriage tilt, backward                          | °  | 10     | 10     | 10     | 10     |
| h1 - Mast lowered height                                   | mm | 2348   | 2608   | 2798   | 3048   |
| h2 - Mast free lift                                        | mm | 85     | 85     | 85     | 85     |
| h3 - Mast lifting height                                   | mm | 3300   | 3700   | 4000   | 4500   |
| h4 - Mast extended height                                  | mm | 4018   | 4428   | 4768   | 5268   |
| Residual capacity at max height                            | kg | 1800   | 1800   |        | 1100   |
| Residual capacity with hooked-on side shift at max heighth | kg | 1800   | 1800   |        | 1100   |
| Height at max capacity                                     | mm | 3300   | 3700   | 2500   | 3600   |
| Height at max capacity with hooked-on sideshift            | mm | 3300   | 3700   |        | 3600   |

| Free Lift Triplex (FLT)                                    |    | FLT 37 | FLT 43 | FLT 47 | FLT 55 |
|------------------------------------------------------------|----|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward                           | °  | 12     | 12     | 12     | 6      |
| Mast/fork carriage tilt, backward                          | °  | 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 heighth | 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 |
|------------------------------------------------------------|----|--------|
| Mast/fork carriage tilt, forward                           | °  | 12     |
| Mast/fork carriage tilt, backward                          | °  | 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 heighth | kg | 1800   |
| Height at max capacity                                     | mm | 3300   |
| Height at max capacity with hooked-on sideshift            | mm | 3300   |



**Oficina Central**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - Francia

Tel.: 00 33 (0)2 40 09 10 11 - Fax: 00 33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



Esta publicación describe las versiones y posibilidades de configuración de los productos Manitou que puedan diferir en equipamiento. Los equipamientos presentados en este folleto pueden ser de serie, opcionales o no estar disponibles en algunas versiones. Manitou se reserva el derecho, en cualquier momento y sin previo aviso, de modificar las especificaciones descritas y representadas. Las especificaciones aportadas no comprometen al fabricante. Para más información, póngase en contacto con su concesionario Manitou. Documento no contractual. Presentación de los productos no contractual. Lista de especificaciones no exhaustiva. Los logos y la identidad visual de la empresa son propiedad de Manitou y no pueden ser utilizados sin autorización. Todos los derechos reservados. Las fotos y los esquemas contenidos en este folleto se ofrecen para consulta y a título indicativo solamente.

Manitou BF SA - Sociedad anónima con Consejo de Administración - Capital social: 39 668 399 euros - 857 802 508 RCS Nantes