

Fiche technique :

# **MI 35 D ST5 FOB**

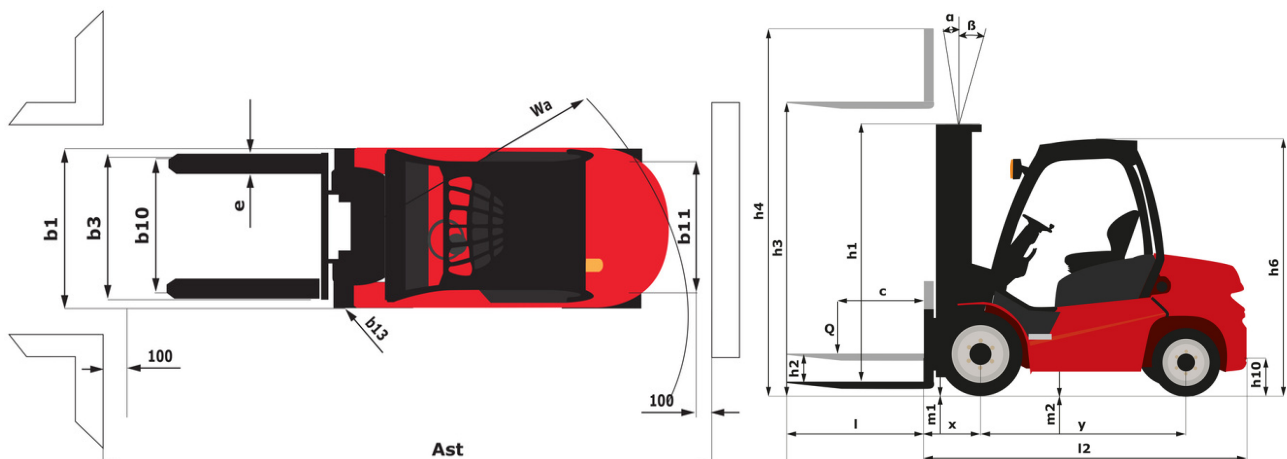
---



 **MANITOU**  
HANDLING YOUR WORLD

|       | Technical characteristics                                       |           | Métrique                 |
|-------|-----------------------------------------------------------------|-----------|--------------------------|
| 1.1   | Manufacturer                                                    |           | MANITOU                  |
| 1.2   | Model Name                                                      |           | MI 35 D ST5              |
| 1.3   | Power source                                                    |           | Diesel                   |
| 1.4   | Operator type                                                   |           | Seated                   |
| 1.5   | Max. capacity                                                   | Q         | 3500 kg                  |
| 1.6   | Load center of gravity                                          | c         | 500 mm                   |
| 1.8   | Load distance, centre of drive axle to fork                     | x         | 485 mm                   |
| 1.9   | Wheelbase                                                       | y         | 1700 mm                  |
|       | <b>Weight</b>                                                   |           |                          |
|       | Standard mast reference of the machine                          |           | FVD 33                   |
| 2.1   | Service weight                                                  |           | 4860 kg                  |
| 2.2   | Weight on front axle (laden) / rear axle (laden)                |           | 7360 kg / 1000 kg        |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 1825 kg / 3035 kg        |
|       | <b>Wheels</b>                                                   |           |                          |
| 3.1   | Tires type                                                      |           | Super Elastic            |
| 3.2   | Dimensions of front wheels                                      |           | 28-9-15 12               |
| 3.3   | Dimensions of rear wheels                                       |           | 6.50-10 10               |
| 3.5   | Number of front wheels / rear wheels                            |           | 2 / 2                    |
| 3.5.2 | Number of drive wheels                                          |           | 2                        |
| 3.6   | Front wheel gauge                                               | b10       | 1005 mm                  |
| 3.7   | Rear wheel gauge                                                | b11       | 975 mm                   |
|       | <b>Dimensions</b>                                               |           |                          |
| 4.7   | Height of overhead guard (cabin)                                | h6        | 2130 mm                  |
| 4.8   | Seat height/stand height                                        | h7        | 1215 mm                  |
| 4.12  | Height of towing bar (coupling height)                          | h10       | 360 mm                   |
| 4.19  | Overall length                                                  | l1        | 3935 mm                  |
| 4.20  | Length to face of forks                                         | l2        | 2785 mm                  |
| 4.21  | Overall width                                                   | b1        | 1225 mm                  |
| 4.21  | Overall width - Single wheels                                   | b1        | 1225 mm                  |
| 4.21  | Overall width - Twinned wheels                                  | b1        | 1725 mm                  |
| 4.22  | Forks section / width / length                                  | s / e / l | 50 mm x 122 mm x 1150 mm |
| 4.23  | Fork carriage ISO 2328 (class/form) A/B                         |           | 3A                       |
| 4.24  | Fork carriage width                                             | b3        | 1100 mm                  |
| 4.31  | Ground clearance below mast                                     | m1        | 130 mm                   |
| 4.32  | Ground clearance at centre of wheelbase                         | m2        | 200 mm                   |
| 4.33  | Aisle Width for pallets 1000 x 1200 crossways                   | Ast       | 4195 mm                  |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 4395 mm                  |
| 4.35  | Turning radius                                                  | Wa        | 2460 mm                  |
| 4.36  | Internal turning radius (over tyres)                            | b13       | 160 mm                   |
|       | <b>Performances</b>                                             |           |                          |
| 5.1   | Travel speed (laden / unladen)                                  |           | 18 km/h-18.50 km/h       |
| 5.2   | Lifting speed (laden / unladen)                                 |           | 0.42 m/s-0.45 m/s        |
| 5.3   | Lowering speed (laden / unladen)                                |           | 0.40 m/s-0.35 m/s        |
| 5.5   | Drawbar pull (Laden / Unladen)                                  |           | 2000 daN / 1520 daN      |
| 5.7   | Gradeability (laden / unladen)                                  |           | 18 % / 20 %              |
| 5.10  | Service brake                                                   |           | Hydraulic                |
|       | <b>Engine</b>                                                   |           |                          |
| 7.1   | Engine brand / model                                            |           | Kubota / V2607-CR-E5B    |
| 7.2   | Engine power according to ISO 1585                              |           | 37.40 kW                 |
| 7.3   | Rated speed                                                     |           | 2400 rpm                 |
| 7.4   | Number of cylinders / Capacity of cylinders                     |           | 4 - 2615 cm³             |
|       | <b>Miscellaneous</b>                                            |           |                          |
| 8.2   | Working hydraulic pressure for attachments                      |           | 160 bar                  |
| 8.3   | Oil flow rate for attachments                                   |           | 35 l/min                 |
| 8.4   | Measured/guaranteed mean noise level at the ear of the operator |           | < 84 dB                  |

## MI 35 D ST5 FOB - Schémas d'encombrement



Caractéristiques des mâts et capacités résiduelles

| Full Visibility Duplex (FVD)                                |    | FVD 33 | FVD 37 | FVD 40 |
|-------------------------------------------------------------|----|--------|--------|--------|
| Mast/fork carriage tilt, forward                            | °  | 6      | 6      | 6      |
| Mast/fork carriage tilt, backward                           | °  | 12     | 12     | 12     |
| h1 - Mast lowered height                                    | mm | 2315   | 2565   | 2715   |
| h2 - Mast free lift                                         | mm | 145    | 145    | 145    |
| h3 - Mast lifting height                                    | mm | 3300   | 3700   | 4000   |
| h4 - Mast extended height                                   | mm | 4115   | 4515   | 4815   |
| Residual capacity at max height                             | kg | 3500   | 3500   | 3500   |
| Residual capacity with integrated side shift at max heighth | kg | 3500   | 3500   | 3500   |
| Height at max capacity                                      | mm | 3300   | 3700   | 4000   |
| Height at max capacity with integrated sideshift            | mm | 3300   | 3700   | 4000   |

| Free Lift Duplex (FLD)                                      |    | FLD 33 | FLD 37 | FLD 40 |
|-------------------------------------------------------------|----|--------|--------|--------|
| Mast/fork carriage tilt, forward                            | °  | 6      | 6      | 6      |
| Mast/fork carriage tilt, backward                           | °  | 12     | 12     | 12     |
| h1 - Mast lowered height                                    | mm | 2330   | 2530   | 2680   |
| h2 - Mast free lift                                         | mm | 1500   | 1700   | 1850   |
| h3 - Mast lifting height                                    | mm | 3300   | 3700   | 4000   |
| h4 - Mast extended height                                   | mm | 4130   | 4530   | 4830   |
| Residual capacity at max height                             | kg | 3500   | 3500   | 3500   |
| Residual capacity with integrated side shift at max heighth | kg | 3500   | 3500   | 3500   |
| Height at max capacity                                      | mm | 3300   | 3700   | 4000   |
| Height at max capacity with integrated sideshift            | mm | 3300   | 3700   | 4000   |

| Free Lift Triplex (FLT)                                     |    | FLT 43 | FLT 45 | FLT 47 | FLT 48 | FLT 50 | FLT 55 | FLT 60 | FLT 65 |
|-------------------------------------------------------------|----|--------|--------|--------|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward                            | °  | 6      | 6      | 6      | 6      | 6      | 3      | 3      | 3      |
| Mast/fork carriage tilt, backward                           | °  | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      |
| h1 - Mast lowered height                                    | mm | 2215   | 2265   | 2315   | 2365   | 2415   | 2565   | 2815   | 2965   |
| h2 - Mast free lift                                         | mm | 1385   | 1435   | 1485   | 1535   | 1585   | 1735   | 1985   | 2135   |
| h3 - Mast lifting height                                    | mm | 4300   | 4500   | 4700   | 4800   | 5000   | 5500   | 6000   | 6500   |
| h4 - Mast extended height                                   | mm | 5130   | 5380   | 5530   | 5630   | 5830   | 6330   | 6880   | 7330   |
| Residual capacity at max height                             | kg | 3450   | 3400   | 3300   | 3300   | 3000   | 2200   | 1600   | 1500   |
| Residual capacity with integrated side shift at max heighth | kg | 3450   | 3300   | 3200   | 3200   | 2900   | 2100   | 1500   | 1400   |
| Height at max capacity                                      | mm | 4000   | 4000   | 4000   | 4000   | 4000   | 4000   | 4000   | 4000   |
| Height at max capacity with integrated sideshift            | mm | 4000   | 4000   | 4000   | 4000   | 4000   | 3700   | 3700   | 3700   |



**Siège Social**

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



Cette publication présente le descriptif des versions et possibilités de configuration des produits Manitou qui peuvent différer en équipement. Les équipements présentés dans cette brochure peuvent être de série, en option, ou non disponibles suivant les versions. Manitou se réserve le droit, à tout moment et sans préavis, de modifier les spécifications décrites et représentées. Les spécifications portées n'engagent pas le constructeur. Pour plus de détails, contactez votre concessionnaire Manitou. Document non contractuel. Présentation des produits non contractuelle. Liste des spécifications non exhaustive. Les logos ainsi que l'identité visuelle de l'entreprise sont la propriété de Manitou et ne peuvent être utilisés sans autorisation. Tous droits réservés. Les photos et schémas contenus dans la présente brochure ne sont fournis qu'à des fins de consultation et à titre indicatif.

Manitou BF SA - Société anonyme à conseil d'administration - Capital social : 39 668 399 euros - 857 802 508 RCS Nantes