

Ficha técnica :

ME 450 FOB



 **MANITOU**
HANDLING YOUR WORLD

| Technical characteristics | | Métrico | |
|---------------------------|---|-----------|--------------------------|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | ME 450 FOB |
| 1.3 | Power source | | Electrical |
| 1.4 | Operator type | | Seated |
| 1.5 | Max. capacity | Q | 5000 kg |
| 1.6 | Load center of gravity | c | 500 mm |
| 1.8 | Load distance, centre of drive axle to fork | x | 500 mm |
| 1.9 | Wheelbase | y | 2000 mm |
| Weight | | | |
| 2.1 | Service weight | | 7100 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 10635 kg / 1465 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 3625 kg / 3475 kg |
| Wheels | | | |
| 3.1 | Tires type | | Solid tires |
| 3.2 | Dimensions of front wheels | | 250/15 |
| 3.3 | Dimensions of rear wheels | | 7.00-12 |
| 3.5 | Number of front wheels / rear wheels | | 2 / 2 |
| 3.5.2 | Number of drive wheels | | 2 |
| 3.6 | Front wheel gauge | b10 | 1130 mm |
| 3.7 | Rear wheel gauge | b11 | 1100 mm |
| Dimensions | | | |
| 4.7 | Height of overhead guard (cabin) | h6 | 2300 mm |
| 4.8 | Seat height/stand height | h7 | 1235 mm |
| 4.12 | Height of towing bar (coupling height) | h10 | 460 mm |
| 4.19 | Overall length | l1 | 4165 mm |
| 4.20 | Length to face of forks | l2 | 3015 mm |
| 4.21 | Overall width | b1 | 1380 mm |
| 4.22 | Forks section / width / length | s / e / l | 150 mm x 1150 mm x 50 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 | 110 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 219 mm |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast | 4475 mm |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 4675 mm |
| 4.35 | Turning radius | Wa | 2720 mm |
| 4.36 | Internal turning radius (over tyres) | b13 | 805 mm |
| Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | 13 km/h-13.50 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.26 m/s-0.40 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.50 m/s-0.30 m/s |
| 5.5 | Drawbar pull (Laden) | | 2700 daN |
| 5.7 | Gradeability (laden / unladen) | | 15 % / 16 % |
| 5.10 | Service brake | | Hydraulic |
| Engine | | | |
| 6.1 | Drive motor rating S2 60 min | | 16.60 kW |
| 6.2 | Lift motor rating at S3 15% | | 25.40 kW |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | | DIN43536 A |
| 6.4 | Battery voltage / capacity | | 80 V / 700 Ah |
| 6.6 | Energy consumption according to VDI cycle (kWh/h) | | 15.30 kWh/h |
| Miscellaneous | | | |
| 8.1 | Type of drive control | | Electronic |
| 8.2 | Working hydraulic pressure for attachments | | 210 bar |
| 8.3 | Oil flow rate for attachments | | 65 l/min |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | | < 78 dB |

ME 450 FOB - Diagrama dimensional



Características de los mástiles y capacidad residual

| Full Visibility Duplex (FVD) | FVD 30 | FVD 33 | FVD 35 | FVD 40 | FVD 43 | FVD 45 | FVD 48 | FVD 50 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward ° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward ° | 12 | 12 | 12 | 12 | 6 | 6 | 6 | 6 |
| h1 - Mast lowered height mm | 2185 | 2335 | 2435 | 2735 | 2900 | 3010 | 3175 | 3285 |
| h2 - Mast free lift mm | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| h3 - Mast lifting height mm | 3000 | 3300 | 3500 | 4000 | 4300 | 4500 | 4800 | 5000 |
| h4 - Mast extended height mm | 3770 | 4070 | 4270 | 4770 | 5070 | 5270 | 5570 | 5770 |
| Residual capacity at max height kg | 5000 | 5000 | 5000 | 5000 | 4950 | 4900 | 4800 | 4700 |
| Residual capacity with integrated side shift at max height kg | 5000 | 5000 | 5000 | 5000 | 4900 | 4850 | 4750 | 4650 |
| Residual capacity with hooked-on side shift at max height kg | 4800 | 4800 | 4800 | 4800 | 4700 | 4600 | 4500 | 4400 |
| Height at max capacity mm | 3000 | 3300 | 3500 | 4000 | 4000 | 4000 | 4000 | 4000 |
| Height at max capacity with integrated sideshift mm | 3000 | 3300 | 3500 | 4000 | 4000 | 4000 | 4000 | 4000 |

| Free Lift Duplex (FLD) | FLD 30 | FLD 33 | FLD 40 |
|---|--------|--------|--------|
| α - Mast/fork carriage tilt, forward ° | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward ° | 12 | 12 | 12 |
| h1 - Mast lowered height mm | 2166 | 2316 | 2666 |
| h2 - Mast free lift mm | 1365 | 1515 | 1865 |
| h3 - Mast lifting height mm | 3000 | 3300 | 4000 |
| h4 - Mast extended height mm | 3805 | 4105 | 4805 |
| Residual capacity at max height kg | 5000 | 5000 | 5000 |
| Residual capacity with integrated side shift at max height kg | 5000 | 5000 | 5000 |
| Residual capacity with hooked-on side shift at max height kg | 4800 | 4800 | 4800 |
| Height at max capacity mm | 3000 | 3300 | 4000 |
| Height at max capacity with integrated sideshift mm | 3000 | 3300 | 4000 |

| Free Lift Triplex (FLT) | FLT 43 | FLT 48 | FLT 50 | FLT 55 | FLT 60 |
|---|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward ° | 6 | 6 | 6 | 3 | 3 |
| β - Mast/fork carriage tilt, backward ° | 6 | 6 | 6 | 6 | 6 |
| h1 - Mast lowered height mm | 2120 | 2280 | 2350 | 2515 | 2730 |
| h2 - Mast free lift mm | 1318 | 1478 | 1548 | 1710 | 1928 |
| h3 - Mast lifting height mm | 4300 | 4800 | 5000 | 5500 | 6000 |
| h4 - Mast extended height mm | 5105 | 5605 | 5805 | 6305 | 6805 |
| Residual capacity at max height kg | 4800 | 4650 | 4450 | 4250 | 4100 |
| Residual capacity with integrated side shift at max height kg | 4700 | 4600 | 4400 | 4200 | 4050 |
| Residual capacity with hooked-on side shift at max height kg | 4500 | 4350 | 4150 | 3950 | 3800 |
| Height at max capacity mm | 2500 | 2500 | 2500 | 2500 | 2500 |



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



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