

Technical sheet :

ME 418



 **MANITOU**
HANDLING YOUR WORLD

| Technical characteristics | | | Metric |
|---------------------------|---|-----------|--------------------------|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | ME 418 |
| 1.3 | Power source | | Electrical |
| 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 | 411 mm |
| 1.9 | Wheelbase | y | 1380 mm |
| Weight | | | |
| 2.1 | Service weight | | 3070 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 4350 kg / 520 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 1400 kg / 1670 kg |
| Wheels | | | |
| 3.1 | Tires type | | Solid tires |
| 3.2 | Dimensions of front wheels | | 21 x 8-9 |
| 3.3 | Dimensions of rear wheels | | 5.00-8 |
| 3.5 | Number of front wheels / rear wheels | | 2 / 2 |
| 3.5.2 | Number of drive wheels | | 2 |
| 3.6 | Front wheel gauge | b10 | 938 mm |
| 3.7 | Rear wheel gauge | b11 | 898 mm |
| Dimensions | | | |
| 4.7 | Height of overhead guard (cabin) | h6 | 2130 mm |
| 4.8 | Seat height/stand height | h7 | 1045 mm |
| 4.12 | Height of towing bar (coupling height) | h10 | 275 mm |
| 4.19 | Overall length | l1 | 3248 mm |
| 4.20 | Length to face of forks | l2 | 2098 mm |
| 4.21 | Overall width | b1 | 1138 mm |
| 4.22 | Forks section / width / length | s / e / l | 100 mm x 1150 mm x 35 mm |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | | 2A |
| 4.24 | Fork carriage width | b3 | 1000 mm |
| 4.31 | Ground clearance below mast | m1 | 100 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 110 mm |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast | 3511 mm |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 3711 mm |
| 4.35 | Turning radius | Wa | 1900 mm |
| 4.36 | Internal turning radius (over tyres) | b13 | 680 mm |
| Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | 13.50 km/h-14 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.29 m/s-0.44 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.49 m/s-0.48 m/s |
| 5.5 | Drawbar pull (Laden / Unladen) | | 1200 daN / 1100 daN |
| 5.7 | Gradeability (laden / unladen) | | 12 % / 13 % |
| 5.10 | Service brake | | Hydraulic |
| Engine | | | |
| 6.1 | Drive motor rating S2 60 min | | 8 kW |
| 6.2 | Lift motor rating at S3 15% | | 8.60 kW |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | | DIN43531 A |
| 6.4 | Battery voltage / capacity | | 48 V / 465 Ah |
| 6.6 | Energy consumption according to VDI cycle (kWh/h) | | 4.60 kWh |
| Miscellaneous | | | |
| 8.1 | Type of drive control | | Electronic |
| 8.2 | Working hydraulic pressure for attachments | | 175 bar |
| 8.3 | Oil flow rate for attachments | | 35 l/min |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | | < 71 dB |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 71 dB |

ME 418 - Dimensional drawing





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



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