

Technical sheet :

ME 435



 **MANITOU**
HANDLING YOUR WORLD

| Technical characteristics | | | Metric |
|---------------------------|-----------------------------------------------------------------|-----------|--------------------------|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | ME 435 |
| 1.3 | Power source | | Electrical |
| 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 | 445 mm |
| 1.9 | Wheelbase | y | 1750 mm |
| | Standard mast reference of the machine | | FLT 60 |
| Weight | | | |
| 2.1 | Service weight | | 5550 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 8050 kg / 1000 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 2720 kg / 2830 kg |
| Wheels | | | |
| 3.1 | Tires type | | Solid tires |
| 3.2 | Dimensions of front wheels | | 23 x 10 -12 |
| 3.3 | Dimensions of rear wheels | | 200/50 - 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 | 1085 mm |
| 3.7 | Rear wheel gauge | b11 | 960 mm |
| Dimensions | | | |
| 4.7 | Height of overhead guard (cabin) | h6 | 2240 mm |
| 4.8 | Seat height/stand height | h7 | 1190 mm |
| 4.12 | Height of towing bar (coupling height) | h10 | 625 mm |
| 4.19 | Overall length | l1 | 3650 mm |
| 4.20 | Length to face of forks | l2 | 2500 mm |
| 4.21 | Overall width | b1 | 1315 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 | 112 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 115 mm |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast | 4045 mm |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 4245 mm |
| 4.35 | Turning radius | Wa | 2400 mm |
| 4.36 | Internal turning radius (over tyres) | b13 | 730 mm |
| Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | 19 km/h-20 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.39 m/s-0.54 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.47 m/s-0.42 m/s |
| 5.5 | Drawbar pull (Laden / Unladen) | | 1690 daN / 1700 daN |
| 5.7 | Gradeability (laden / unladen) | | 12 % / 18 % |
| 5.10 | Service brake | | Oil bath |
| Engine | | | |
| 6.1 | Drive motor rating S2 60 min | | 18.50 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) | | 12.50 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 | | < 74 dB |

ME 435 - Dimensional drawing





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