Technical sheet :







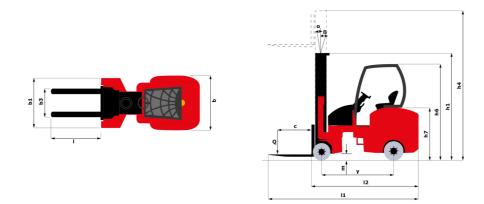
|    | Technical characteristics                                       |  |
|----|---|--|
| 1  | Manufacturer  |  |
| 2  | Model Name  |  |
| 3  | Power source  |  |
| 4  | Operator type   |  |
| 5  | Max. capacity   |  |
| 5  | Load center of gravity  |  |
| 3  | Load distance, centre of drive axle to fork                     |  |
| )  | Wheelbase   |  |
|    | Weight  |  |
|    | Service weight  |  |
|    | Weight on front axle (laden) / rear axle (laden)                |  |
|    | Weight on front axle (Unladen) / rear axle (Unladen)            |  |
|    | Wheels  |  |
|    | Tires type  |  |
|    | Dimensions of front wheels                                      |  |
|    | Dimensions of rear wheels                                       |  |
|    | Number of front wheels / rear wheels                            |  |
| 2  | Number of drive wheels  |  |
|    | Front wheel gauge   |  |
| ,  | Rear wheel gauge  |  |
| 7  |   |  |
| 7  | Dimensions  |  |
|    | Height of overhead guard (cabin)                                |  |
| }  | Seat height/stand height  |  |
| 9  | Overall length  |  |
| 20 | Length to face of forks   |  |
| .1 | Overall width   |  |
| 22 | Forks section / width / length                                  |  |
| 23 | Fork carriage ISO 2328 (class/form) A/B                         |  |
| 4  | Fork carriage width   |  |
| 1  | Ground clearance below mast                                     |  |
| 32 | Ground clearance at centre of wheelbase                         |  |
| 33 | Aisle Width for pallets 1000 x 1200 crossways                   |  |
| 4  | Aisle width for 800 x 1200 pallet lengthways                    |  |
|    | Performances  |  |
| I  | Travel speed (laden / unladen)                                  |  |
| 2  | Lifting speed (laden / unladen)                                 |  |
| 3  | Lowering speed (laden / unladen)                                |  |
| 7  | Gradeability (laden / unladen)                                  |  |
| 10 | Service brake   |  |
|    | Engine  |  |
| 1  | Drive motor rating S2 60 min                                    |  |
| 2  | Lift motor rating at S3 15%                                     |  |
| 3  | Battery according to DIN 43531/35/36 A, B, C                    |  |
|    | Battery voltage / capacity                                      |  |
|    | Battery weight (+/- 5%)   |  |
| 5  | Miscellaneous   |  |
| 1  | Type of drive control   |  |
|    |   |  |
| 2  | Working hydraulic pressure for attachments                      |  |
| 3  | Oil flow rate for attachments                                   |  |
| 4  | Measured/guaranteed mean noise level at the ear of the operator |  |
| Ļ  | Sound level at the driver's ear according to DIN 12 053         |  |

| EMA II 13 | Created on June | 16, 2025 | at 2:45 | AM UTC |
|-----------|-----------------|----------|---------|--------|
|-----------|-----------------|----------|---------|--------|

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|         | Metric                     |
|---------|----------------------------|
|         | Manitou                    |
|         | EMA II 13                  |
|         | Electrical                 |
|         | Seated                     |
| Q       | 1300 kg                    |
| c       | 500 kg                     |
| x       | 278 mm                     |
| y       | 1855 mm                    |
| ,       |                            |
|         | 5900 kg                    |
|         | 3350 kg / 3850 kg          |
|         | 1900 kg / 4000 kg          |
|         |                            |
|         | Solid tires                |
|         | 412 x 127 mm               |
|         | 457 x 152 mm               |
|         | 2/2                        |
|         | 2                          |
| b10     | 825 mm                     |
| b11     | 1060 mm                    |
|         |                            |
| h6      | 2260 mm                    |
| h7      | 1200 mm                    |
| 1       | 3890 mm                    |
| 12      | 2740 mm                    |
| b1      | 1060 mm                    |
| / e / l | 40 mm x 100 mm x 1150 mm   |
|         | 2                          |
| b3      | 860 mm                     |
| m1      | 50 mm                      |
| m2      | 130 mm                     |
| Ast     | 1700 mm                    |
| Ast     | 1900 mm                    |
|         |                            |
|         | 9 km/h-9.50 km/h           |
|         | 0.35 m/s-0.45 m/s          |
|         | 0.40 m/s-0.35 m/s          |
|         | 8 % / 10.50 %              |
|         | Hydraulic                  |
|         |                            |
|         | 10 kW                      |
|         | 9 kW                       |
|         | DIN 43595                  |
|         | 48 V / 620 Ah              |
|         | 1030 kg                    |
|         |                            |
|         | Mosfet AC speed controller |
|         | 200 bar                    |
|         | 25 l/min                   |
|         | < 73 dB                    |
|         | 73 dB                      |
|         |                            |

## EMA II 13 - Dimensional drawing



## Characteristics of masts and residual capacities

| Free Lift Triplex (FLT)                                    |    | FLT 42 | FLT 50 | FLT 56 | FLT 60 | FLT 66 | FLT 76 |
|--|----|--------|--------|--------|--------|--------|--------|
| a - Mast/fork carriage tilt, forward                       | ۰  | 1      | 1      | 1      | 1      | 1      | 1      |
| β - Mast/fork carriage tilt, backward                      | ۰  | 3      | 3      | 3      | 3      | 3      | 3      |
| h1 - Mast lowered height                                   | mm | 2360   | 2630   | 2810   | 2960   | 3210   | 3650   |
| h2 - Mast free lift  | mm | 1400   | 1750   | 193    | 2080   | 2330   | 2670   |
| h3 - Mast lifting height                                   | mm | 4200   | 5010   | 5550   | 6000   | 6600   | 7620   |
| h4 - Mast extended height                                  | mm | 5030   | 5910   | 6450   | 6900   | 7500   | 8520   |
| Residual capacity with integrated side shift at max heigth | kg | 1300   | 1200   | 1100   | 1000   | 900    | 750    |



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