Technical sheet :



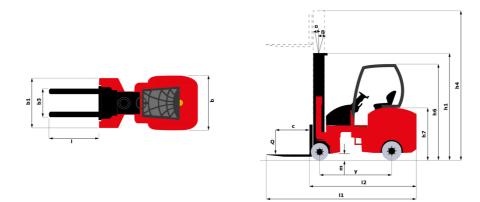




| | Technical characteristics | |
|-------|---|---|
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | |
| 1.5 | Max. capacity | |
| 1.6 | Load center of gravity | |
| 1.8 | Load distance, centre of drive axle to fork | |
| 1.9 | Wheelbase | |
| | Weight | |
| 2.1 | Service weight | |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | |
| 2.5 | Wheels | |
| 3.1 | | |
| | Tires type | |
| 3.2 | Dimensions of front wheels | |
| 3.3 | Dimensions of rear wheels | |
| 3.5 | Number of front wheels / rear wheels | |
| 3.5.2 | Number of drive wheels | |
| 3.6 | Front wheel gauge | |
| 3.7 | Rear wheel gauge | |
| | Dimensions | |
| 4.7 | Height of overhead guard (cabin) | |
| 4.8 | Seat height/stand height | |
| 4.19 | Overall length | |
| 4.20 | Length to face of forks | |
| 4.21 | Overall width | |
| 4.22 | Forks section / width / length | s |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | |
| 4.24 | Fork carriage width | |
| 4.31 | Ground clearance below mast | |
| 4.32 | Ground clearance at centre of wheelbase | |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | |
| | Performances | |
| 5.1 | Travel speed (laden / unladen) | |
| 5.2 | Lifting speed (laden / unladen) | |
| 5.3 | Lowering speed (laden / unladen) | |
| 5.7 | Gradeability (laden / unladen) | |
| 5.10 | Service brake | |
| | Engine | |
| 6.1 | Drive motor rating S2 60 min | |
| 6.2 | Lift motor rating at S3 15% | |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | |
| 6.4 | Battery voltage / capacity | |
| 6.5 | Battery weight (+/- 5%) | |
| 0.5 | Miscellaneous | |
| 0.1 | | |
| 8.1 | Type of drive control | |
| 8.2 | Working hydraulic pressure for attachments | |
| 8.3 | Oil flow rate for attachments | |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | |

| EMA II 1 | ∎ Created on May 3, 2024 at 7:45:06 PM UTC |
|-----------|--|
| | Metric |
| | Manitou |
| | EMA II 13 |
| | Electrical |
| | Seated |
| Q | 1300 kg |
| С | 500 mm |
| х | 278 mm |
| у | 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 |
| h6 | |
| h7 | 1200 mm |
| 11 | 3890 mm |
| 12 | 2740 mm |
| b1 | 1060 mm |
| s / e / l | 40 mm x 100 mm x 1150 mm |
| 1.0 | 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-0.45 m/s |
| | 8 % / 10.50 % |
| | |
| | Hydraulic |
| | 10 kW |
| | 9 kW |
| | DIN 43595 |
| | 48 V / 620 Ah |
| | 1030 kg |
| | 1030 Kg |
| | Mosfet AC speed controller |
| | 200 bar |
| | 200 bar 25 l/min |
| | < 73 dB |
| | 73 dB |
| | /3 UD |

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 | |
|--|--------|--------|--------|--------|--------|--------|------|
| Mast/fork carriage tilt, forward ° | | 1 | 1 | 1 | 1 | 1 | 1 |
| 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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