Technical sheet:

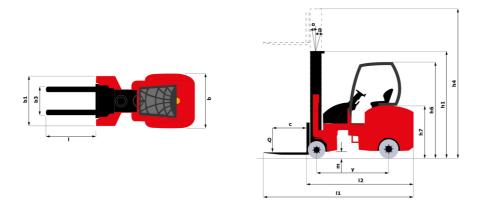
EMA II 13





| | | eated off May 0, 2024 at 0.00.09 AM | |
|---|-----------|-------------------------------------|--|
| Technical characteristics | | Metric | |
| Manufacturer | | Manitou | |
| Model Name | | EMA II 13 | |
| Power source | | Electrical | |
| Operator type | | Seated | |
| Max. capacity | Q | 1300 kg | |
| Load center of gravity | С | 500 mm | |
| Load distance, centre of drive axle to fork | x | 278 mm | |
| Wheelbase | у | 1855 mm | |
| Weight | | | |
| Service weight | | 5900 kg | |
| Weight on front axle (laden) / rear axle (laden) | | 3350 kg / 3850 kg | |
| Weight on front axle (Unladen) / rear axle (Unladen) | | 1900 kg / 4000 kg | |
| Wheels | | | |
| Tires type | | Solid tires | |
| Dimensions of front wheels | | 412 x 127 mm | |
| Dimensions of rear wheels | | 457 x 152 mm | |
| Number of front wheels / rear wheels | | 2/2 | |
| Number of drive wheels | | 2 | |
| Front wheel gauge | b10 | 825 mm | |
| Rear wheel gauge | b11 | 1060 mm | |
| Dimensions | | | |
| Height of overhead guard (cabin) | h6 | 2260 mm | |
| Seat height/stand height | h7 | 1200 mm | |
| Overall length | I1 | 3890 mm | |
| Length to face of forks | 12 | 2740 mm | |
| Overall width | b1 | 1060 mm | |
| Forks section / width / length | s / e / l | 40 mm x 100 mm x 1150 mm | |
| Fork carriage ISO 2328 (class/form) A/B | -7-77 | 2 | |
| Fork carriage width | b3 | 860 mm | |
| Ground clearance below mast | m1 | 50 mm | |
| Ground clearance at centre of wheelbase | m2 | 130 mm | |
| Aisle Width for pallets 1000 x 1200 crossways | Ast | 1700 mm | |
| Aisle width for 800 x 1200 pallet lengthways | Ast | 1900 mm | |
| Performances | Aut | 1700 11111 | |
| Travel speed (laden / unladen) | | 9 km/h-9.50 km/h | |
| Lifting speed (laden / unladen) | | 0.35 m/s-0.45 m/s | |
| Lowering speed (laden / unladen) | | 0.40 m/s-0.35 m/s | |
| Gradeability (laden / unladen) | | 8 % / 10.50 % | |
| Service brake | | Hydraulic | |
| Engine | | riyaladile | |
| Drive motor rating \$2 60 min | | 10 kW | |
| Lift motor rating at S3 15% | | 9 kW | |
| | | 9 KW DIN 43595 | |
| Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity | | 48 V / 620 Ah | |
| | | 48 V / 620 An 1030 kg | |
| Battery weight (+/- 5%) | | 1030 Kg | |
| Miscellaneous | | Monfot A Comment of the United | |
| Type of drive control | | Mosfet AC speed controller | |
| Working hydraulic pressure for attachments | | 200 bar | |
| Oil flow rate for attachments | | 25 I/min | |
| Measured/guaranteed mean noise level at the ear of the operator | | < 73 dB | |
| Sound level at the driver's ear according to DIN 12 053 | | 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 |
|--|----|--------|--------|--------|--------|--------|--------|
| Mast/fork carriage tilt, forward | ٠ | 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 |





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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