Technical sheet :



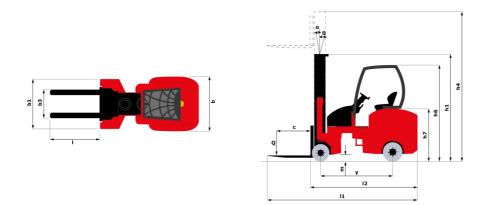




| | Technical characteristics | |
|----------|---|--|
| l.1 | Manufacturer | |
| | Model Name | |
| | Power source | |
| | Operator type | |
| 5 | Max. capacity | |
| 6 | Load center of gravity | |
| .8 | Load distance, centre of drive axle to fork | |
| .9 | Wheelbase | |
| | Weight | |
| 2.1 | Service weight | |
| .2 | Weight on front axle (laden) / rear axle (laden) | |
| 3 | Weight on front axle (Unladen) / rear axle (Unladen) | |
| | Wheels | |
| 1 | Tires type | |
| 2 | Dimensions of front wheels | |
| 3 | Dimensions of rear wheels | |
| 5 | Number of front wheels / rear wheels | |
| 5.2 | Number of drive wheels | |
| 2 | Front wheel gauge | |
| 7 | Rear wheel gauge | |
| ., | Dimensions | |
| 7 | Height of overhead guard (cabin) | |
| | Seat height/stand height | |
| , 9 | Overall length | |
| 9 | Length to face of forks | |
| | | |
| 21 22 | Overall width | |
| | Forks section / width / length | |
| 23 | Fork carriage ISO 2328 (class/form) A/B | |
| 4 | Fork carriage width | |
| 81 | 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 | |
| 1 | Travel speed (laden / unladen) | |
| 2 | Lifting speed (laden / unladen) | |
| 3 | Lowering speed (laden / unladen) | |
| 7 | Gradeability (laden / unladen) | |
| 0 | Service brake | |
| | Engine | |
| 1 | Drive motor rating S2 60 min | |
| 2 | Lift motor rating at S3 15% | |
| } | Battery according to DIN 43531/35/36 A, B, C | |
| | Battery voltage / capacity | |
| | Battery weight (+/- 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 | |
| 4 | Sound level at the driver's ear according to DIN 12 053 | |
| | | |

| EMA II 2 | Created on June 17, 2025 at 5:33 AM UTC |
|-----------|---|
| | Metric |
| | Manitou |
| | EMA II 20 |
| | Electrical |
| | Seated |
| Q | 2000 kg |
| С | 500 mm |
| x | 278 mm |
| у | 1745 mm |
| | |
| | 6600 kg |
| | 4800 kg / 4400 kg |
| | 2200 kg / 4400 kg |
| | Solid tires |
| | 412 x 178 |
| | 457 x 152 |
| | 2/2 |
| | 2 |
| b10 | 1125 mm |
| b11 | 1200 mm |
| h6 | 2260 mm |
| h7 | 1200 mm |
| 11 | 3710 mm |
| 12 | 2560 mm |
| b1 | 1200 mm |
| s / e / l | 40 mm x 125 mm x 1150 mm |
| | 2 |
| b3 | 860 mm |
| m1 | 50 mm |
| m2 | 130 mm |
| Ast | 1900 mm |
| Ast | 2100 mm |
| | 9 km/h-9.50 km/h |
| | 0.35 m/s-0.45 m/s |
| | 0.40 m/s-0.36 m/s |
| | 8 % / 10.50 % |
| | Hydraulic |
| | |
| | 10 kW |
| | 9 kW |
| | DIN 43595 48 V / 750 Ah |
| | 48 V / /50 Ah 1135 kg |
| | TISS KY |
| | Mosfet AC speed controller |
| | 200 bar |
| | 25 l/min |
| | < 73 dB |
| | 73 dB |
| | |

EMA II 20 - Dimensional drawing



Characteristics of masts and residual capacities

| Free Lift Triplex (FLT) | | FLT 42 | FLT 45 | FLT 50 | FLT 56 | FLT 60 | FLT 66 | FLT 72 | FLT 76 | FLT 80 | FLT 86 | FLT 90 | FLT 95 | FLT 102 |
|---|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| α - Mast/fork carriage tilt, forward | ۰ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| β - Mast/fork carriage tilt, backward | ۰ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| h1 - Mast lowered height | mm | 2300 | 2410 | 2570 | 2750 | 2900 | 3150 | 3400 | 3590 | 3720 | 4020 | 4150 | 4500 | 4690 |
| h2 - Mast free lift | mm | 1480 | 1590 | 1750 | 1930 | 2080 | 2330 | 2580 | 2770 | 2900 | 3200 | 3330 | 3650 | 3870 |
| h3 - Mast lifting height | mm | 4200 | 4530 | 5010 | 5550 | 6000 | 6600 | 7200 | 7620 | 8010 | 8610 | 9000 | 9500 | 10200 |
| h4 - Mast extended height | mm | 5030 | 5360 | 5840 | 6380 | 6830 | 7430 | 8030 | 8450 | 8840 | 9440 | 9830 | 10475 | 11175 |
| Residual capacity with integrated side shift at max heigth | kg | 1800 | 1700 | 1600 | 1500 | 1400 | 1300 | 1200 | 1150 | 1080 | 1000 | 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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