Technical sheet:

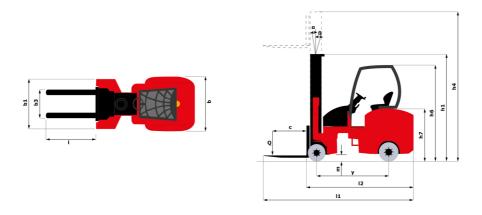
EMA II 20 HD-2





| Technical characteristics Manufacturer Model Name Power source Operator type Max. capacity Load center of gravity 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 Pront wheel gauge Rear wheel gauge | Q C X Y | Metric Manitou EMA II 20 HD-2 Electrical Seated 2000 kg 500 mm 278 mm 1745 mm 8700 kg 6330 kg / 4080 kg 3480 kg / 5220 kg |
|---|-----------|--|
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| 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 Number of drive wheels Front wheel gauge Rear wheel gauge | | * * |
| Wheels Tires type Dimensions of front wheels Dimensions of rear wheels Number of front wheels / rear wheels Number of drive wheels Front wheel gauge Rear wheel gauge | | 0 100 kg / 0220 kg |
| Tires type Dimensions of front wheels Dimensions of rear wheels Number of front wheels / rear wheels Number of drive wheels Front wheel gauge Rear wheel gauge | | |
| Dimensions of front wheels Dimensions of rear wheels Number of front wheels / rear wheels Number of drive wheels Front wheel gauge Rear wheel gauge | | Solid tires |
| Dimensions of rear wheels Number of front wheels / rear wheels Number of drive wheels Front wheel gauge Rear wheel gauge | | 412 x 178 |
| Number of front wheels / rear wheels Number of drive wheels Front wheel gauge Rear wheel gauge | | 457 x 178 |
| Number of drive wheels Front wheel gauge Rear wheel gauge | | 2/2 |
| Front wheel gauge Rear wheel gauge | | 2 |
| Rear wheel gauge | b10 | 1110 mm |
| 3 3 | b11 | 1370 mm |
| | DII | 1370 MM |
| Dimensions | h.c | 0000 |
| Height of overhead guard (cabin) | h6 | 2260 mm |
| Seat height/stand height | h7 | 1200 mm |
| 9 Overall length | l1 | 3710 mm |
| D Length to face of forks | 12 | 2560 mm |
| 1 Overall width | b1 | 1350 mm |
| 2 Forks section / width / length | s / e / l | 40 mm x 125 mm x 1150 mm |
| Fork carriage ISO 2328 (class/form) A/B | | 2 |
| 4 Fork carriage width | b3 | 860 mm |
| 1 Ground clearance below mast | m1 | 50 mm |
| 2 Ground clearance at centre of wheelbase | m2 | 130 mm |
| Aisle Width for pallets 1000 x 1200 crossways | Ast | 2000 mm |
| 4 Aisle width for 800 x 1200 pallet lengthways | Ast | 2200 mm |
| Performances | | |
| Travel speed (laden / unladen) | | 8.50 km/h-9 km/h |
| Lifting speed (laden / unladen) | | 0.35 m/s-0.45 m/s |
| Lowering speed (laden / unladen) | | 0.40 m/s-0.36 m/s |
| Gradeability (laden / unladen) | | 6 % / 8 % |
| Service brake | | Hydraulic |
| Engine | | |
| Drive motor rating S2 60 min | | 10 kW |
| Lift motor rating at S3 15% | | 9 kW |
| Battery according to DIN 43531/35/36 A, B, C | | DIN 43595 |
| Battery voltage / capacity | | 48 V / 930 Ah |
| Battery weight (+/- 5%) | | 1300 kg |
| Miscellaneous | | |
| Type of drive control | | Mosfet AC speed controller |
| Working hydraulic pressure for attachments | | 200 bar |
| Oil flow rate for attachments | | 25 l/min |
| Measured/guaranteed mean noise level at the ear of the operator | | |
| Sound level at the driver's ear according to DIN 12 053 | | < 73 dB |

EMA II 20 HD-2 - Dimensional drawing



Characteristics of masts and residual capacities

| Free Lift Triplex (FLT) | | FLT 55 | FLT 60 | FLT 66 | FLT 76 | FLT 80 | FLT 86 | FLT 90 | FLT 100 | FLT 106 |
|--|----|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Mast/fork carriage tilt, forward | ۰ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Mast/fork carriage tilt, backward | ۰ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| h1 - Mast lowered height | mm | 2750 | 2900 | 3150 | 3590 | 3720 | 4020 | 4150 | 4590 | 4820 |
| h2 - Mast free lift | mm | 1930 | 2080 | 2330 | 2770 | 2900 | 3200 | 3330 | 3770 | 4000 |
| h3 - Mast lifting height | mm | 5500 | 6000 | 6600 | 7620 | 8010 | 8610 | 9000 | 10020 | 10560 |
| h4 - Mast extended height | mm | 3680 | 6830 | 7430 | 8450 | 8840 | 9440 | 9830 | 11000 | 11540 |
| Residual capacity with integrated side shift at max heigth | kg | 1500 | 1500 | 1450 | 1400 | 1350 | 1300 | 1250 | 1000 | 850 |





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