Technical sheet :



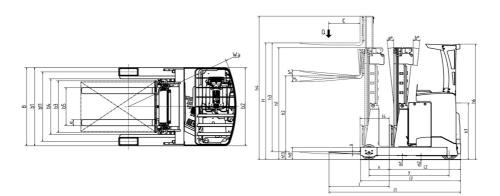


| | Technical characteristics | |
|---------------------|---|---------|
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | |
| 1.5 | Max. capacity | Q |
| 1.6 | Load center of gravity | С |
| 1.8 | Load distance, centre of drive axle to fork | х |
| 1.9 | Wheelbase | у |
| | Weight | |
| 2.1 | Service weight | |
| | Wheels | |
| 3.1 | Tires type | |
| 3.5.2 | Number of drive wheels - Size of drive wheels | |
| 3.3 | Number of load wheels - Size of load wheels | |
| 3.5 | Number of front wheels / rear wheels | |
| 3.6 | Front wheel gauge | b10 |
| 3.7 | Rear wheel gauge | b11 |
| | Dimensions | |
| 4.8 | Seat height/stand height | h7 |
| 4.19 | Overall length | 11 |
| 4.20 | Length to face of forks | 12 |
| 4.21 | Overall width | b1 |
| 4.22 | Forks section / width / length | s / e / |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | |
| 4.26 | Distance between wheel arms/loading surfaces | b4 |
| 4.25.1 | Width over forks min. / max. | b5 |
| 4.32 | Ground clearance at centre of wheelbase | m2 |
| 4.33 | Aisle width for 1000 x 1200 pallet lengthways | |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast |
| 4.35 | Tuming radius | Wa |
| 4.7 | Height of overhead guard (cabin) | h6 |
| | Performances | |
| 5.1 | Travel speed (laden / unladen) | |
| 5.2 | Lifting speed (laden / unladen) | |
| 5.3 | Lowering speed (laden / unladen) | |
| 5.4.1 | Reach speed (with load / without load) | |
| 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%) | |
| | Miscellaneous | |
| 8.1 | Type of drive control | |
| 8.3 | Oil flow rate for attachments | |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | |
| v . T | | |

| ER 16 HD | Created | on August | 12, 2025 | at 1:23 | PM UTC |
|----------|---------|-----------|----------|---------|--------|
|----------|---------|-----------|----------|---------|--------|

| | ····· |
|----------|--------------------------|
| | Metric |
| | MANITOU |
| | ER 16 HD |
| | Electrical |
| | Seated |
| | 1600 kg |
| | 600 mm |
| | 306 mm |
| | 1420 mm |
| | |
| | 4150 kg |
| | Wellerling |
| | Vulkollan |
| | 1 x 355 x 155 |
| | 2 x 230 x 105 |
| ^ | 1/2 |
| D 1 | 0 mm 1128 mm |
| | 1128 11111 |
| | 1077 mm |
| | 2485 mm |
| | 1335 mm |
| | 1270 mm |
| /1 | 40 mm x 100 mm / 1150 mm |
| | 2A |
| | 903 mm |
| | 316 mm / 697 mm |
| 2 | 70 mm |
| | 2758 mm |
| t | 2820 mm |
| 1 | 1640 mm |
| | 2205 mm |
| | |
| | 14.30 km/h / 14.50 km/h |
| | 0.47 m/s / 0.67 m/s |
| | 0.52 m/s / 0.50 m/s |
| | 0.20 m/s / 0.20 m/s |
| | 15.20 % / 11 % |
| | Electric |
| | |
| | 7.20 kW |
| | 15 kW |
| | DIN 43531 C |
| | 48 V / 620 Ah |
| | 920 kg |
| | |
| | Electronic |
| | 25 l/min |
| | 60.80 dB |
| | |

ER 16 HD - Dimensional drawing



Characteristics of masts and residual capacities

| Free Lift Triplex (FLT) | | FLT 64 | FLT 71 | FLT 76 | FLT 81 | FLT 85 | FLT 90 | FLT 96 | FLT 102 | FLT 109 |
|--|----|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| α - Mast/fork carriage tilt, forward | ۰ | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| β - Mast/fork carriage tilt, backward | ۰ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| h1 - Mast lowered height | mm | 2957 | 3190 | 3357 | 3523 | 3673 | 3823 | 4040 | 4240 | 440 |
| h2 - Mast free lift | mm | 2400 | 2650 | 2800 | 2900 | 3100 | 3200 | 3500 | 3700 | 3900 |
| h3 - Mast lifting height | mm | 6350 | 7050 | 7550 | 8050 | 8500 | 8950 | 9600 | 10200 | 10800 |
| h4 - Mast extended height | mm | 6930 | 7630 | 8130 | 8630 | 9080 | 9530 | 10180 | 10780 | 11380 |
| Residual capacity with integrated side shift at max heigth | kg | 1600 | 1600 | 1400 | 1300 | 1150 | 1000 | 800 | | |



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