Technical sheet :

## ME 320 LIFT





|        | 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          | x     |
| 1.9    | Wheelbase  | у     |
|        | Standard mast reference of the machine               |       |
|        | 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) |       |
|        | 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                                    | b10   |
| 3.7    | Rear wheel gauge                                     | b11   |
| 5.7    | Dimensions   | 611   |
| 4.7    | Height of overhead guard (cabin)                     | h6    |
| 4.7    |  | h7    |
| 4.0    | Seat height/stand height                             | h10   |
|        | Height of towing bar (coupling height)               | 11    |
| 4.19   | Overall length                                       |       |
| 4.20   | Length to face of forks                              | 12    |
| 4.21   | Overall width  | b1    |
| 4.22.1 | Forks width / length                                 | e / I |
| 4.23   | Fork carriage ISO 2328 (class/form) A/B              |       |
| 4.24   | Fork carriage width                                  | b3    |
| 4.31   | Ground clearance below mast                          | m1    |
| 4.32   | Ground clearance at centre of wheelbase              | m2    |
| 4.33   | Aisle Width for pallets 1000 x 1200 crossways        | Ast   |
| 4.34   | Aisle width for 800 x 1200 pallet lengthways         | Ast   |
| 4.35   | Turning radius                                       | Wa    |
|        | Performances   |       |
| 5.1    | Travel speed (laden / unladen)                       |       |
| 5.2    | Lifting speed (laden / unladen)                      |       |
| 5.3    | Lowering speed (laden / unladen)                     |       |
| 5.5    | Drawbar pull (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 \$3 15%                         |       |
| 6.3    | Battery according to DIN 43531/35/36 A, B, C         |       |
| 6.4    | Battery voltage / capacity                           |       |
| 6.5    | Battery weight (+/- 5%)                              |       |
| 6.6    | Energy consumption according to VDI cycle (kWh/h)    |       |
|        | Miscellaneous  |       |
| 8.2    | Working hydraulic pressure for attachments           |       |
| 8.3    | Oil flow rate for attachments                        |       |
|        |  |       |

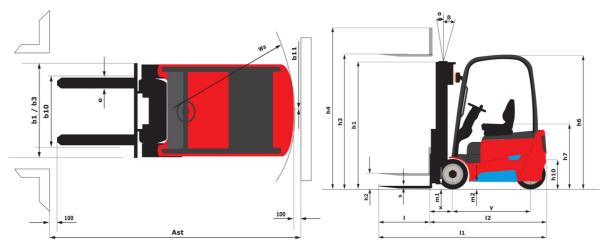
|        | Metric                             |
|--------|------------------------------------|
|        | Manitou                            |
|        | ME 320 LIFT                        |
|        | Electrical - Lithium               |
|        | Seated                             |
|        | 2000 kg                            |
|        | 500 mm                             |
|        | 364.50 mm                          |
|        | 1407 mm                            |
|        | FVD 30                             |
|        |                                    |
|        | 3200 kg                            |
|        | 4580 kg / 620 kg                   |
|        | 1365 kg / 1835 kg                  |
|        |                                    |
|        | Solid tires                        |
|        | 200/50-10                          |
|        | 15x4,5-8                           |
|        | 2 / 1                              |
| 0      | 2<br>932 mm                        |
| 0      |                                    |
| 1      | 178 mm                             |
| 6      | 2158 mm                            |
| 5<br>7 | 1120 mm                            |
| 0      | 525 mm                             |
| U      | 2907 mm                            |
| 2      | 1987 mm                            |
| 1      | 1153 mm                            |
| 1      | 40 mm x 100 mm                     |
|        | 2A                                 |
| 3      | 1000 mm                            |
| 1      | 100 mm                             |
| 2      | 110 mm                             |
| st     | 3316 mm                            |
| st     | 3440 mm                            |
| а      | 1625 mm                            |
|        |                                    |
|        | 15 km/h-15 km/h                    |
|        | 0.40 m/s-0.55 m/s                  |
|        | 0.47 m/s-0.42 m/s                  |
|        | 3050 daN / 3700 daN<br>13 % / 15 % |
|        | Hydraulic                          |
|        | Hydraulie                          |
|        | 2.50 kW                            |
|        | 11 kW                              |
|        | Lithium                            |
|        | 76.80 V / 304 Ah                   |
|        | 300 kg                             |
|        | 4.60 kWh/h                         |
|        |                                    |
|        | 210 bar                            |
|        | 30 l/min                           |
|        | 70 dB                              |
|        |                                    |
|        |                                    |

ME 320 LIFT Created on August 2, 2025 at 1:53 AM UTC

## ME 320 LIFT - Dimensional drawing

Sound level at the driver's ear according to DIN 12 053

8.4



## Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD)                               |    | FVD 30 | FVD 33 | FVD 40 | FVD 45 |
|--|----|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward °                     |    | 7      | 7      | 7      | 7      |
| β - Mast/fork carriage tilt, backward                      |    | 6      | 6      | 6      | 6      |
| h1 - Mast lowered height                                   | mm | 1988   | 2138   | 2588   | 2838   |
| h2 - Mast free lift  | mm | 140    | 140    | 140    | 140    |
| h3 - Mast lifting height                                   | mm | 3000   | 3300   | 4000   | 4500   |
| h4 - Mast extended height                                  | mm | 3560   | 3860   | 4560   | 5060   |
| Residual capacity at max height                            | kg | 2000   | 2000   | 2000   | 1900   |
| Residual capacity with integrated side shift at max heigth | kg | 1950   | 1950   | 1950   | 1850   |

| Free Lift Triplex (FLT)                                       |    | FLT 40 | FLT 45 | FLT 48 | FLT 50 | FLT 55 | FLT 60 | FLT 65 |
|---|----|--------|--------|--------|--------|--------|--------|--------|
| a - Mast/fork carriage tilt, forward                          | ۰  | 3.50   | 3.50   | 3.50   | 3.50   | 3.50   | 3.50   | 3.50   |
| β - Mast/fork carriage tilt, backward                         | ٥  | 5      | 5      | 5      | 5      | 5      | 5      | 5      |
| h1 - Mast lowered height                                      | mm | 1888   | 2038   | 2138   | 2213   | 2388   | 2588   | 2788   |
| h2 - Mast free lift   | mm | 1292   | 1392   | 1492   | 1592   | 1792   | 1992   | 2192   |
| h3 - Mast lifting height                                      | mm | 4000   | 4500   | 4800   | 5000   | 5500   | 6000   | 6500   |
| h4 - Mast extended height                                     | mm | 4552   | 5052   | 5352   | 5552   | 6052   | 6552   | 7052   |
| Residual capacity at max height                               | kg | 2000   | 1800   | 1700   | 1600   | 1500   | 1300   | 1100   |
| Residual capacity with integrated side<br>shift at max heigth | kg | 1950   | 1750   | 1650   | 1550   | 1450   | 1250   | 1050   |



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