

Ficha técnica :

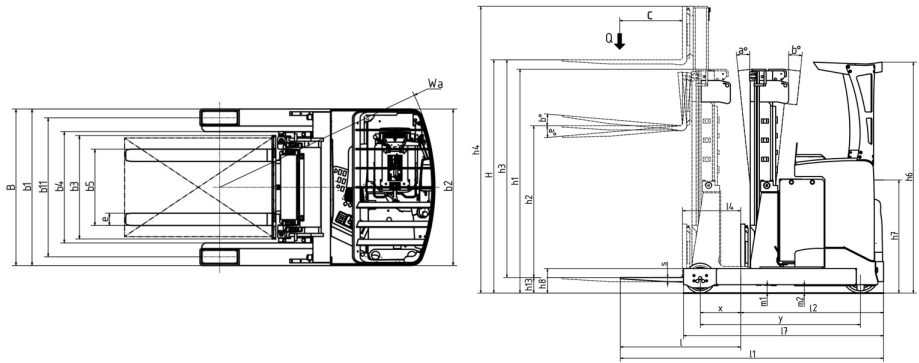
# ER 16 HD



 **MANITOU**  
HANDLING YOUR WORLD

|        | Technical characteristics                               |           | Métrico                  |
|--------|---------------------------------------------------------|-----------|--------------------------|
| 1.1    | Manufacturer                                            |           | MANITOU                  |
| 1.2    | Model Name                                              |           | ER 16 HD                 |
| 1.3    | Power source                                            |           | Electrical               |
| 1.4    | Operator type                                           |           | Seated                   |
| 1.5    | Max. capacity                                           | Q         | 1600 kg                  |
| 1.6    | Load center of gravity                                  | c         | 600 mm                   |
| 1.8    | Load distance, centre of drive axle to fork             | x         | 306 mm                   |
| 1.9    | Wheelbase                                               | y         | 1420 mm                  |
|        | Weight                                                  |           |                          |
| 2.1    | Service weight                                          |           | 4150 kg                  |
|        | Wheels                                                  |           |                          |
| 3.1    | Tires type                                              |           | Vulkollan                |
| 3.5.2  | Number of drive wheels - Size of drive wheels           |           | 1 x 355 x 155            |
| 3.3    | Number of load wheels - Size of load wheels             |           | 2 x 230*105              |
| 3.5    | Number of front wheels / rear wheels                    |           | 1 / 2                    |
| 3.6    | Front wheel gauge                                       | b10       | 0 mm                     |
| 3.7    | Rear wheel gauge                                        | b11       | 1128 mm                  |
|        | Dimensions                                              |           |                          |
| 4.7    | Height of overhead guard (cabin)                        | h6        | 2205 mm                  |
| 4.8    | Seat height/stand height                                | h7        | 1077 mm                  |
| 4.19   | Overall length                                          | l1        | 2485 mm                  |
| 4.20   | Length to face of forks                                 | l2        | 1335 mm                  |
| 4.21   | Overall width                                           | b1        | 1270 mm                  |
| 4.22   | Forks section / width / length                          | s / e / l | 40 mm x 100 mm / 1150 mm |
| 4.23   | Fork carriage ISO 2328 (class/form) A/B                 |           | 2A                       |
| 4.26   | Distance between wheel arms/loading surfaces            | b4        | 903 mm                   |
| 4.25.1 | Width over forks min. / max.                            | b5        | 316 mm / 697 mm          |
| 4.32   | Ground clearance at centre of wheelbase                 | m2        | 70 mm                    |
| 4.33   | Aisle width for 1000 x 1200 pallet lengthways           |           | 2758 mm                  |
| 4.34   | Aisle width for 800 x 1200 pallet lengthways            | Ast       | 2820 mm                  |
| 4.35   | Turning radius                                          | Wa        | 1640 mm                  |
|        | Performances                                            |           |                          |
| 5.1    | Travel speed (laden / unladen)                          |           | 14.30 km/h / 14.50 km/h  |
| 5.2    | Lifting speed (laden / unladen)                         |           | 0.47 m/s / 0.67 m/s      |
| 5.3    | Lowering speed (laden / unladen)                        |           | 0.52 m/s / 0.50 m/s      |
| 5.4.1  | Reach speed (with load / without load)                  |           | 0.20 m/s / 0.20 m/s      |
| 5.7    | Gradeability (laden / unladen)                          |           | 15.20 % / 11 %           |
| 5.10   | Service brake                                           |           | Electric                 |
|        | Engine                                                  |           |                          |
| 6.1    | Drive motor rating S2 60 min                            |           | 7.20 kW                  |
| 6.2    | Lift motor rating at S3 15%                             |           | 15 kW                    |
| 6.3    | Battery according to DIN 43531/35/36 A, B, C            |           | DIN 43531 C              |
| 6.4    | Battery voltage / capacity                              |           | 48 V / 620 Ah            |
| 6.5    | Battery weight (+/- 5%)                                 |           | 920 kg                   |
|        | Miscellaneous                                           |           |                          |
| 8.1    | Type of drive control                                   |           | Electronic               |
| 8.3    | Oil flow rate for attachments                           |           | 25 l/min                 |
| 8.4    | Sound level at the driver's ear according to DIN 12 053 |           | 60.80 dB                 |

ER 16 HD - Diagrama dimensional



## Características de los mástiles y capacidad residual

| Free Lift Triplex (FLT)                                   |    | FLT 64 | FLT 71 | FLT 76 | FLT 81 | FLT 85 | FLT 90 | FLT 96 | FLT 102 | FLT 109 |
|-----------------------------------------------------------|----|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Mast/fork carriage tilt, forward                          | °  | 3      | 3      | 1      | 1      | 1      | 1      | 1      | 1       | 1       |
| Mast/fork carriage tilt, backward                         | °  | 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 heigh | kg | 1600   | 1600   | 1400   | 1300   | 1150   | 1000   | 800    |         |         |



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