Technical sheet:

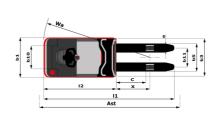
## **CI 20**

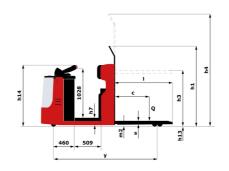




| _    | Technical characteristics                                       |           | Metric                   | Imperial                 |
|------|---|-----------|--------------------------|--------------------------|
| 1    | Manufacturer  |           | Manitou                  | Manitou                  |
| 2    | Model Name  |           | CI 20                    | CI 20                    |
| 3    | Power source  |           | Electrical               | Electrical               |
| 4    | Operator type   |           | Carried                  | Carried                  |
| .5   | Max. capacity   | Q         | 2000 kg                  | 4409 lb                  |
| 6    | Load center of gravity  | С         | 600 mm                   | 24 in                    |
| .8   | Load distance, centre of drive axle to fork                     | Х         | 949 mm                   | 37 in                    |
| .9   | Wheelbase   | у         | 2194 mm                  | 86 in                    |
|      | Weight  |           |                          |                          |
| 2.1  | Service weight  |           | 1450 kg                  | 3197 lb                  |
| .2   | Weight on front axle (laden) / rear axle (laden)                |           | 1298 kg / 2152 kg        | 2862 lb / 4744 lb        |
| 2.3  | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 928 kg / 522 kg          | 2046 lb / 1151 lb        |
|      | Wheels  |           |                          |                          |
| .1   | Tires type  |           | Bandage                  | Bandage                  |
| .2   | Dimensions of front wheels                                      |           | 254 x 100                | 254 x 100                |
| .3   | Dimensions of rear wheels                                       |           | 85 x 90                  | 85 x 90                  |
| 3.4  | Additional wheels (dimensions)                                  |           | 140 x 50                 | 140 x 50                 |
| 5.2  | Number of drive wheels / front wheels / rear wheels             |           | 1x + 2 / 4               | 1x + 2 / 4               |
| 3.6  | Front wheel gauge   | b10       | 505 mm                   | 20 in                    |
| 3.7  | Rear wheel gauge  | b11       | 370 mm                   | 15 in                    |
|      | Dimensions  |           |                          |                          |
| 1.8  | Platform height   | h7        | 130 mm                   | 5 in                     |
| .15  | Fork height in low position                                     | h13       | 85 mm                    | 3 in                     |
| .19  | Overall length  | l1        | 2602 mm                  | 102 in                   |
| .20  | Length to face of forks   | 12        | 1432 mm                  | 56 in                    |
| .21  | Overall width - Single wheels                                   | b1        | 800 mm                   | 31 in                    |
| .21  | Overall width   | b1        | 800 m                    | 2624 ft 8 in             |
| .22  | Forks section / width / length                                  | s / e / l | 45 mm x 170 mm x 1150 mm | 2 in x 7 in x 45 in      |
| .25  | Fork spread   | b5        | 540 mm                   | 21 in                    |
| .32  | Ground clearance at centre of wheelbase                         | m2        | 40 mm                    | 2 in                     |
| .34  | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 2851 mm                  | 112 in                   |
| .35  | Turning radius  | Wa        | 2400 mm                  | 94 in                    |
| 1.4  | Mast lifting height   | h3        | 210 mm                   | 8 in                     |
| 1.9  | Height tiller max.  | h14       | 1212 mm                  | 48 in                    |
| 1.5  | Performances  | 1114      | 1212 11111               | 40 III                   |
| 5.1  | Travel speed (laden / unladen)                                  |           | 9 km/h / 12 km/h         | 6 mph / 7 mph            |
| 5.2  | Lifting speed (laden / unladen)                                 |           | 0.10 m/s / 0.15 m/s      | 0.33 ft/s / 0.49 ft/s    |
| 5.3  | Lowering speed (laden / unladen)                                |           | 0.13 m/s / 0.10 m/s      | 0.43 ft/s / 0.33 ft/s    |
| 5.7  | Gradeability (laden / unladen)                                  |           | 6 % / 10 %               | 6 % / 10 %               |
| 5.10 | Service brake   |           | Electro magnetic         | Electro magnetic         |
| i.11 | Parking brake   |           | Butterfly switch release | Butterfly switch release |
|      | Engine  |           | butterny switch release  | butterny switch release  |
| .1   | Drive motor rating S2 60 min                                    |           | 2 kW                     | 2 kW                     |
| 5.2  | Lift motor rating at S3 15%                                     |           | 2 kW                     | 2 kW                     |
| .3   | Battery according to DIN 43531/35/36 A, B, C                    |           | Traction                 | Traction                 |
| .4   | Battery voltage / capacity                                      |           | 24 V / 465 Ah            | 24 V / 465 Ah            |
| 5.5  | Battery weight (+/- 5%)   |           | 435 kg                   | 959 lb                   |
| ,    | Miscellaneous   |           | 400 kg                   | יוו לטל                  |
| 1.1  | Type of drive control   |           | AC                       | AC                       |
| .1   | Measured/guaranteed mean noise level at the ear of the operator |           | < 70 dB                  | < 70 dB                  |

## CI 20 - Dimensional drawing









## **Head Office**

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