

Technical sheet :

# CI 12 PF



 **MANITOU**  
HANDLING YOUR WORLD

|       | Technical characteristics                                       |           | Metric                   |
|-------|---|-----------|--------------------------|
| 1.1   | Manufacturer  |           | Manitou                  |
| 1.2   | Model Name  |           | CI 12 PF                 |
| 1.3   | Power source  |           | Electrical               |
| 1.4   | Operator type   |           | Carried                  |
| 1.5   | Max. capacity   | Q         | 1200 kg                  |
| 1.6   | Load center of gravity  | c         | 600 mm                   |
| 1.8   | Load distance, centre of drive axle to fork                     | x         | 240 mm                   |
| 1.9   | Wheelbase   | y         | 1530 mm                  |
|       | <b>Weight</b>   |           |                          |
| 2.1   | Service weight  |           | 1780 kg                  |
| 2.2   | Weight on front axle (laden) / rear axle (laden)                |           | 472 kg / 2508 kg         |
| 2.3   | Weight on front axle (Unladen) / rear axle (Unladen)            |           | 650 kg / 1130 kg         |
|       | <b>Wheels</b>   |           |                          |
| 3.1   | Tires type  |           | Bandage                  |
| 3.2   | Dimensions of front wheels                                      |           | 200 x 75                 |
| 3.3   | Dimensions of rear wheels                                       |           | 250 x 100                |
| 3.5.2 | Number of drive wheels / front wheels / rear wheels             |           | 1 / 1 / 2                |
| 3.7   | Rear wheel gauge  | b11       | 665 mm                   |
|       | <b>Dimensions</b>   |           |                          |
| 4.15  | Fork height in low position                                     | h13       | 50 mm                    |
| 4.19  | Overall length  | l1        | 3108 mm                  |
| 4.2   | Mast lowered height   | h1        | 1980 mm                  |
| 4.20  | Length to face of forks   | l2        | 1958 mm                  |
| 4.21  | Overall width   | b1        | 800 mm                   |
| 4.22  | Forks section / width / length                                  | s / e / l | 45 mm x 100 mm x 1150 mm |
| 4.24  | Fork carriage width   | b3        | 790 mm                   |
| 4.25  | Forks spread  | b5        | 730 mm                   |
| 4.32  | Ground clearance at centre of wheelbase                         | m2        | 50 mm                    |
| 4.34  | Aisle width for 800 x 1200 pallet lengthways                    | Ast       | 3437 mm                  |
| 4.35  | Turning radius  | Wa        | 1742 mm                  |
| 4.4   | Mast lifting height   | h3        | 1450 mm                  |
| 4.5   | Mast extended height  | h4        | 1980 mm                  |
| 4.9   | Height tiller max.  | h14       | 1212 mm                  |
|       | <b>Performances</b>   |           |                          |
| 5.1   | Travel speed (laden / unladen)                                  |           | 9 km/h / 11 km/h         |
| 5.2   | Lifting speed (laden / unladen)                                 |           | 0.08 m/s / 0.18 m/s      |
| 5.3   | Lowering speed (laden / unladen)                                |           | 0.12 m/s / 0.11 m/s      |
| 5.7   | Gradeability (laden / unladen)                                  |           | 6 % / 10 %               |
| 5.10  | Service brake   |           | Electro magnetic         |
| 5.11  | Parking brake   |           | Butterfly switch release |
|       | <b>Engine</b>   |           |                          |
| 6.1   | Drive motor rating S2 60 min                                    |           | 2 kW                     |
| 6.2   | Lift motor rating at S3 15%                                     |           | 2 kW                     |
| 6.3   | Battery according to DIN 43531/35/36 A, B, C                    |           | DIN 43535-B              |
| 6.4   | Battery voltage / capacity                                      |           | 24 V / 620 Ah            |
| 6.5   | Battery weight (+/- 5%)   |           | 490 kg                   |
|       | <b>Miscellaneous</b>  |           |                          |
| 8.1   | Type of drive control   |           | AC Mosfet Variator       |
| 8.4   | Measured/guaranteed mean noise level at the ear of the operator |           | < 66 dB                  |

## CI 12 PF - Dimensional drawing





**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



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