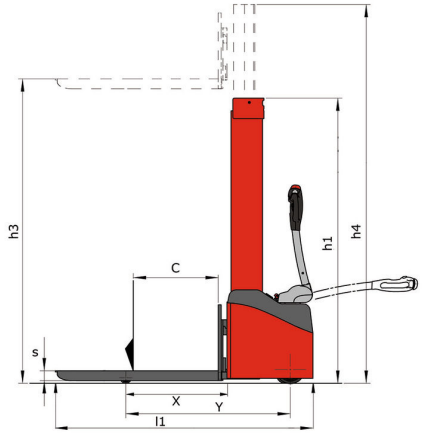
Technical sheet :

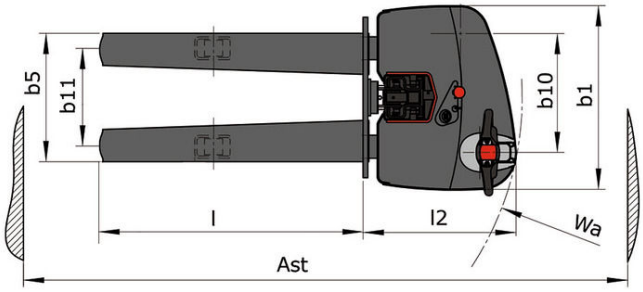
# STACKY 10 D28 LE

MANITOU
HANDLING YOUR WORLD

| | Technical characteristics | | Metric |
|---|---|---|---|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | Stacky 10 D28 LE |
| 1.3 | Power source | | Battery |
| 1.4 | Operator type | | Pedestrian |
| 1.5 | Max. capacity | Q | 1000 kg |
| 1.6 | Load centre of gravity | c | 500 mm |
| 1.8 | Load distance, centre of drive axle to fork | x | 653 mm |
| 1.9 | Wheelbase | y | 1190 mm |
| | **Weight** | | |
| 2.1 | Overall weight without tools | | 650 kg |
| | **Wheels** | | |
| 3.1 | Tyres type | | Polyurethane |
| 3.5.2 | Number of drive wheels - Size of drive wheels | | 1 x 200x80 |
| 3.3 | Number of load wheels - Size of load wheels | | 1 x 78x78 |
| 3.4 | Number of castor wheels | | 1 |
| 3.4 | Number of stabilizer wheels / Size of the stabilizer wheels | | 2 x 100x40 |
| 3.5 | Number of front wheels / rear wheels | | 2 / 2 |
| 3.6 | Front wheel gauge | b10 | 517 m |
| 3.7 | Rear wheel gauge (minimum / maximum) | b11 / b11 | 1000 mm x 1380 mm |
| | **Dimensions** | | |
| 4.2 | Height mast lowered * | h1 | 2030 mm |
| 4.4 | Max. lifting height | h3 | 2740 mm |
| 4.5 | Height mast extended * | h4 | 3400 mm |
| 4.9 | Height tiller up min. / max. | h14 / h14 | 850 mm / 1350 mm |
| 4.15 | Fork height in low position | h13 | 60 mm |
| 4.19 | Overall length without tools | l1 | 1653 mm |
| 4.20 | Length to face of forks | l2 | 702 mm |
| 4.21 | Overall width / width (max. staddle legs) | b1 / b1 | 1100 mm / 1480 mm |
| 4.22 | Forks section / width / length | s / e / l | 40 mm x 180 mm / 950 mm |
| 4.25 | Fork spread | b5 | 720 mm |
| 4.24 | Fork carriage width | b3 | 702 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 40 mm |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 2310 mm |
| 4.35 | Turning radius | Wa | 1375 mm |
| | **Performances** | | |
| 5.1 | Travel speed (laden / unladen) | | 4.50 km/h / 4.50 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.12 m/s / 0.20 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.12 m/s / 0.10 m/s |
| 5.7 | Gradeability (laden / unladen) | | 3.50 % / 5 % |
| 5.10 | Service brake | | Electro magnetic |
| 5.11 | Parking brake | | Handle Release |
| | **Engine** | | |
| 6.1 | Drive motor rating S2 60 min | | 0.30 kW |
| 6.2 | Lift motor rating at S3 15% | | 2 kW |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | | Semi-Traction |
| 6.4 | Battery / Batteries capacity | | 24 V / 85 Ah |
| 6.5 | Battery weight (+/- 5%) | | 50 kg |
| 7.2 | Power (kW) | | 0.30 kW |
| | **Miscellaneous** | | |
| 8.1 | Type of drive control | | AC |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 65 dB(A) |

# Dimensional drawing



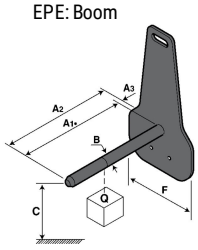




# Tool characteristics

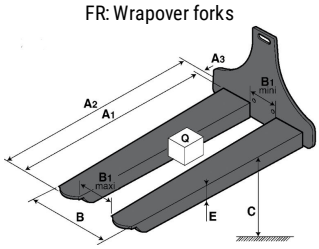
| Tool 1,000 kg | Attachment capacity | Center of gravity of load | A1 | A2 | B | B1 | | C | D | E | E1 | E2 | F | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kg | | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | kg |
| EPE 1000 | 1000 | - | 7000 | 730 | 60 | - | - | 245 | - | - | - | - | 320 | 38 |
| FA 1000 | 1000 | - | 950 | 1017 | - | - | - | 45 | 80 | 40 | - | - | 730 | 123 |
| FR 1000 | 1000 | - | 1150 | 1182 | 560 | - | - | 90 | - | 70 | - | - | 700 | 82 |
| FUT 1000 | 300 | - | 795 | 600 | 1057 | - | - | 245 | - | 240 | 631 | - | - | 92 |
| PLF 1000 | 1000 | - | 700 | 727 | 600 | - | - | 275 | - | 91 | - | - | 630 | 65 |
| POT 1000 | 500 | - | 625 | 652 | 50 | - | - | 145 | - | - | - | - | 320 | 33 |

# Tools

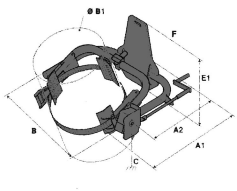
EPE: Boom



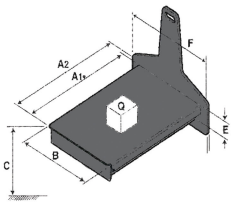

FR: Wrapover forks



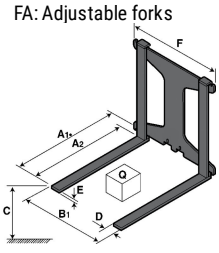

FUT: Drum handler



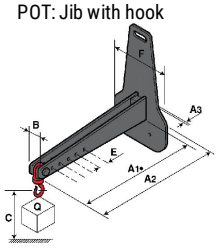

PLF: Fixed platform with drawer




FA: Adjustable forks




POT: Jib with hook



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