Technical sheet:

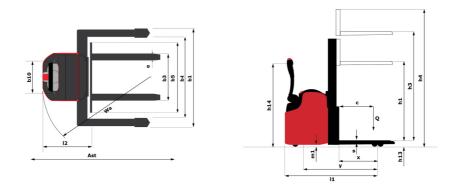
ES 410 ET





| | | 23-710-21-01 | cutcu on may o, 2024 at 0.00.03 7 m |
|-------|---|--------------|-------------------------------------|
| | Technical characteristics | | Metric |
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | ES 410 ET |
| 1.3 | Power source | | Electrical |
| 1.4 | Operator type | | Pedestrian |
| 1.5 | Max. capacity | Q | 1000 kg |
| 1.6 | Load center of gravity | C | 600 mm |
| 1.8 | Distance from Load backrest to center of rear axle | X | 720 mm |
| 1.9 | Wheelbase | У | 1245 mm |
| | Weight | | |
| 2.1 | Service weight | | 870 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 709 kg / 1161 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 609 kg / 261 kg |
| | Wheels | | 3. 3. 3 |
| 3.1 | Tires type | | Polyurethane |
| 3.3 | Number of load wheels / Size of load wheels | | 2 / 125x50 |
| 3.4 | Number of stabilizer wheels / Size of the stabilizer wheels | | 1 / 125x50 |
| 3.5 | Number of front wheels / rear wheels | | 2/2 |
| 3.5.2 | Number of drive wheels / Size of drive wheels | | 1/230x70 |
| 3.6 | Front wheel gauge | b10 | 517 mm |
| 3.7 | Rear wheel gauge | b11 | 380 mm |
| 0.7 | Dimensions | 311 | 555 |
| 4.15 | Fork height in low position | h13 | 85 mm |
| 4.19 | Overall length | 11 | 1870 mm |
| 4.20 | Length to face of forks | 12 | 720 mm |
| 4.21 | Overall width | b1 | 800 mm |
| 4.22 | Forks section / width / length | s / e / l | 60 mm / 180 mm / 1150 mm |
| 4.24 | Fork carriage width | b3 | 680 mm |
| 4.31 | Ground clearance below mast | m1 | 35 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 20 mm |
| 4.35 | Turning radius | Wa | 1400 mm |
| 4.55 | Performances | Wa | 1400 111111 |
| 5.1 | Travel speed (laden / unladen) | | 5.80 km/h / 6 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.24 m/s / 0.14 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.20 m/s / 0.30 m/s |
| 5.8 | Max Gradeability (laden / unladen) | | 8 % / 10 % |
| 5.10 | Service brake | | Electro magnetic |
| 5.10 | Engine | | Liecuo magneuc |
| 6.1 | | | 1.20 kW |
| 6.1 | Drive motor rating S2 60 min | | 1.20 kW 3 kW |
| | Lift motor rating at S3 15% | | |
| 6.4 | Battery voltage / capacity | | 24 V / 160 Ah |
| 6.5 | Battery weight (+/- 5%) | | 150 kg |
| 2.1 | Miscellaneous | | |
| 8.1 | Type of drive control | | AC |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 65 dB |

ES 410 ET - Dimensional drawing



Characteristics of masts and residual capacities

| Central Cylinder Duplex (CCD) | | CCD 26 | CCD 29 | CCD 34 |
|---------------------------------|----|--------|--------|--------|
| h1 - Mast lowered height | mm | 1780 | 1930 | 2180 |
| h2 - Mast free lift | mm | 140 | 140 | 140 |
| h3 - Mast lifting height | mm | 2630 | 2930 | 3430 |
| h4 - Mast extended height | mm | 3065 | 3365 | 3865 |
| Residual capacity at max height | kg | 1000 | 1000 | 900 |

| Central Cylinder Simplex (CCS) | | CCS 15 | CCS 17 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height | mm | 1930 | 2180 |
| h2 - Mast free lift | mm | 1500 | 1750 |
| h3 - Mast lifting height | mm | 1500 | 1750 |
| h4 - Mast extended height | mm | 1930 | 2180 |
| Residual capacity at max height | kg | 1000 | 1000 |





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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes