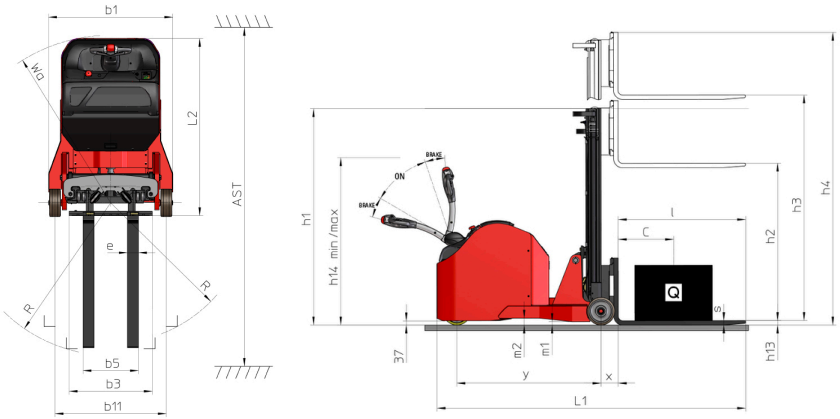
Technical sheet :

# ES-C 711

MANITOU
HANDLING YOUR WORLD

| | Technical characteristics | | Metric |
|---|---|---|---|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | ES-C 711 |
| 1.3 | Power source | | Electrical - Lead |
| 1.4 | Operator type | | Pedestrian |
| 1.5 | Max. capacity | Q | 1100 kg |
| 1.6 | Load center of gravity | c | 500 mm |
| 1.8 | Distance from Load backrest to center of rear axle | x | 157 mm |
| 1.9 | Wheelbase | y | 940 mm |
| | **Weight** | | |
| 2.1 | Service weight | | 2300 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 475 kg / 2921 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 1250 kg / 1050 kg |
| | **Wheels** | | |
| 3.1 | Tires type | | Polyurethane cushion |
| 3.3 | Number of load wheels / Size of load wheels | | 2 / 250x100 |
| 3.5 | Number of front wheels / rear wheels | | 1 / 2 |
| 3.5.2 | Number of drive wheels / Size of drive wheels | | 1/254x100 |
| 3.7 | Rear wheel gauge | b11 | 1003 mm |
| | **Dimensions** | | |
| 4.15 | Fork height in low position | h13 | 45 mm |
| 4.19 | Overall length | l1 | 2430 mm |
| 4.20 | Length to face of forks | l2 | 1280 mm |
| 4.21 | Overall width | b1 | 1120 mm |
| 4.22 | Forks section / width / length | s / e / l | 35 mm / 100 mm / 1150 mm |
| 4.24 | Fork carriage width | b3 | 750 mm |
| 4.31 | Ground clearance below mast | m1 | 31 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 52 mm |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast | 2373 mm |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 2881 mm |
| 4.35 | Turning radius | Wa | 1305 mm |
| 4.9 | Height tiller min. / max. | h14 | 1005 mm / 1405 mm |
| | **Performances** | | |
| 5.1 | Travel speed (laden / unladen) | | 6 km/h / 6 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.11 m/s / 0.20 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.22 m/s / 0.21 m/s |
| 5.8 | Max Gradeability (laden / unladen) | | 5 % / 8 % |
| 5.10 | Service brake | | Electro magnetic |
| | **Engine** | | |
| 6.1 | Drive motor rating S2 60 min | | 2 kW |
| 6.2 | Lift motor rating at S3 15% | | 4 kW |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | | DIN 43535-B |
| 6.4 | Battery voltage / capacity | | 24 V / 315 Ah |
| 6.5 | Battery weight (+/- 5%) | | 275 kg |
| | **Miscellaneous** | | |
| 8.1 | Type of drive control | | DC |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 65 dB |

## ES-C 711 - Dimensional drawing



# Characteristics of masts and residual capacities

| Central Cylinder Simplex (CCS) | | CCS 15 | CCS 17 |
|---|---|---|---|
| α - Mast/fork carriage tilt, forward | ° | 4 | 4 |
| β - Mast/fork carriage tilt, backward | ° | 6 | 6 |
| h1 - Mast lowered height | mm | 1955 | 2205 |
| h2 - Mast free lift | mm | 1420 | 1670 |
| h3 - Mast lifting height | mm | 1500 | 1700 |
| h4 - Mast extended height | mm | 2030 | 2280 |
| Residual capacity at max height | kg | 1100 | 1100 |

| Full Visibility Duplex (FVD) | | FVD 29 | FVD 34 | FVD 38 |
|---|---|---|---|---|
| α - Mast/fork carriage tilt, forward | ° | 3 | 3 | 3 |
| h1 - Mast lowered height | mm | 1955 | 2205 | 2405 |
| h3 - Mast lifting height | mm | 2900 | 3400 | 3800 |
| h4 - Mast extended height | mm | 3460 | 3960 | 4360 |
| Residual capacity at max height | kg | 1100 | 1100 | 1100 |

| Free Lift Duplex (FLD) | | FLD 29 | FLD 34 |
|---|---|---|---|
| α - Mast/fork carriage tilt, forward | ° | 4 | 4 |
| β - Mast/fork carriage tilt, backward | ° | 6 | 6 |
| h1 - Mast lowered height | mm | 1955 | 2205 |
| h2 - Mast free lift | mm | 1420 | 1670 |
| h3 - Mast lifting height | mm | 2900 | 3400 |
| h4 - Mast extended height | mm | 3460 | 3960 |
| Residual capacity at max height | kg | 1100 | 1100 |

| Free Lift Triplex (FLT) | | FLT 42 | FLT 47 | FLT 54 |
|---|---|---|---|---|
| α - Mast/fork carriage tilt, forward | ° | 4 | 4 | 4 |
| β - Mast/fork carriage tilt, backward | ° | 6 | 6 | 6 |
| h1 - Mast lowered height | mm | 1915 | 2075 | 2315 |
| h2 - Mast free lift | mm | 1380 | 1540 | 1790 |
| h3 - Mast lifting height | mm | 4200 | 4700 | 5400 |
| h4 - Mast extended height | mm | 4770 | 5250 | 5980 |
| Residual capacity at max height | kg | 850 | 650 | 400 |

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