Technical sheet :

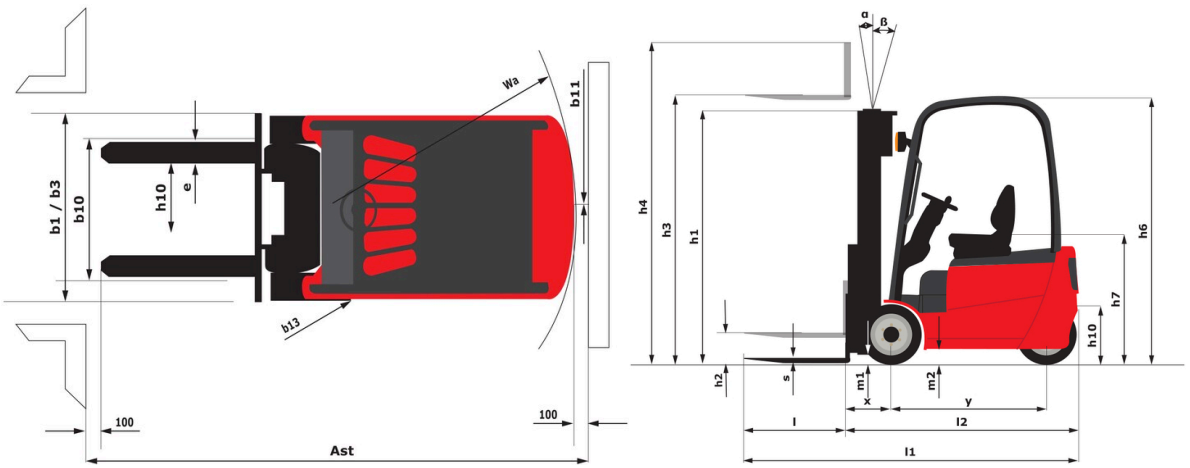
# ME 315 C




MANITOU
HANDLING YOUR WORLD

| | Technical characteristics | | Metric |
|---|---|---|---|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | ME 315 C |
| 1.3 | Power source | | Electrical - Lead |
| 1.4 | Operator type | | Seated |
| 1.5 | Max. capacity | Q | 1500 kg |
| 1.6 | Load center of gravity | c | 500 mm |
| 1.8 | Load distance, centre of drive axle to fork | x | 365 mm |
| 1.9 | Wheelbase | y | 1220 mm |
| | **Weight** | | |
| 2.1 | Service weight | | 3000 kg |
| 2.2 | Weight on front axle (laden) / rear axle (laden) | | 3930 kg / 570 kg |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) | | 1370 kg / 1630 kg |
| | **Wheels** | | |
| 3.1 | Tires type | | Solid tires |
| 3.2 | Dimensions of front wheels | | 18x7-8 |
| 3.3 | Dimensions of rear wheels | | 200/50-10 |
| 3.5 | Number of front wheels / rear wheels | | 2 / 1 |
| 3.5.2 | Number of drive wheels | | 1 |
| 3.6 | Front wheel gauge | b10 | 835 mm |
| | **Dimensions** | | |
| 4.8 | Seat height/stand height | h7 | 1020 mm |
| 4.7 | Height of overhead guard (cabin) | h6 | 2105 mm |
| 4.12 | Height of towing bar (coupling height) | h10 | 500 mm |
| 4.19 | Overall length | l1 | 3015 mm |
| 4.20 | Length to face of forks | l2 | 1865 mm |
| 4.21 | Overall width | b1 | 990 mm |
| 4.22 | Forks section / width / length | s / e / l | 35 mm x 100 mm x 1150 mm |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | | 2A |
| 4.24 | Fork carriage width | b3 | 1000 mm |
| 4.31 | Ground clearance below mast | m1 | 100 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 100 mm |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast | 3201 mm |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | Ast | 3325 mm |
| 4.35 | Turning radius | Wa | 1510 mm |
| | **Performances** | | |
| 5.1 | Travel speed (laden / unladen) | | 9.50 km/h-10.50 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.22 m/s-0.34 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.58 m/s-0.48 m/s |
| 5.5 | Drawbar pull (Laden / Unladen) | | 500 daN / 530 daN |
| 5.7 | Gradeability (laden / unladen) | | 7 % / 9 % |
| 5.10 | Service brake | | Hydraulic |
| | **Engine** | | |
| 6.1 | Drive motor rating S2 60 min | | 4 kW |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | | DIN43535 A |
| 6.4 | Battery voltage / capacity | | 24 V / 840 Ah |
| 7.2 | Engine power (Hp / kW) | | 12 Hp/8.60 kW |
| 6.6 | Energy consumption according to VDI cycle (kWh/h) | | 3.50 kWh/h |
| | **Miscellaneous** | | |
| 8.1 | Type of drive control | | Electric |
| 8.2 | Working hydraulic pressure for attachments | | 145 bar |
| 8.3 | Oil flow rate for attachments | | 16 l/min |
| 8.4 | Measured/guaranteed mean noise level at the ear of the operator | | < 70 dB |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 40 dB |

## ME 315 C - Dimensional drawing



# Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 27 | FVD 30 | FVD 33 | FVD 36 | FVD 40 | FVD 43 | FVD 45 |
|---|---|---|---|---|---|---|---|---|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 | 6 | 3.50 | 3.50 | 3.50 |
| β - Mast/fork carriage tilt, backward | ° | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| h1 - Mast lowered height | mm | 1830 | 1980 | 2130 | 2330 | 2580 | 2730 | 2830 |
| h2 - Mast free lift | mm | 155 | 155 | 155 | 155 | 155 | 155 | 155 |
| h3 - Mast lifting height | mm | 2700 | 3000 | 3300 | 3600 | 4000 | 4300 | 4500 |
| h4 - Mast extended height | mm | 3233 | 3533 | 3833 | 4133 | 4533 | 4833 | 5033 |
| Residual capacity at max height | kg | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1450 |
| Residual capacity with integrated side shift at max heigth | kg | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1450 |
| Residual capacity with hooked-on side shift at max heigth | kg | 1500 | 1500 | 1500 | 1500 | 1450 | 1400 | 1350 |
| Height at max capacity | mm | 2700 | 3000 | 3300 | 3600 | 4000 | 4300 | 4000 |
| Height at max capacity with integrated sideshift | mm | 2700 | 3000 | 3300 | 3600 | 4000 | 4300 | 4000 |

| Free Lift Duplex (FLD) | | FLD 27 | FLD 30 | FLD 33 | FLD 36 | FLD 40 |
|---|---|---|---|---|---|---|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 | 6 | 3.50 |
| β - Mast/fork carriage tilt, backward | ° | 5 | 5 | 5 | 6 | 5 |
| h1 - Mast lowered height | mm | 1845 | 1995 | 2145 | 2295 | 2545 |
| h2 - Mast free lift | mm | 1286 | 1436 | 1586 | 1736 | 1986 |
| h3 - Mast lifting height | mm | 2700 | 3000 | 3300 | 3600 | 4000 |
| h4 - Mast extended height | mm | 3259 | 3559 | 3859 | 4159 | 4559 |
| Residual capacity at max height | kg | 1500 | 1500 | 1500 | 1500 | 1500 |
| Residual capacity with integrated side shift at max heigth | kg | 1500 | 1500 | 1500 | 1500 | 1500 |
| Residual capacity with hooked-on side shift at max heigth | kg | 1500 | 1500 | 1500 | 1500 | 1450 |
| Height at max capacity | mm | 2700 | 3000 | 3300 | 3600 | 4000 |
| Height at max capacity with integrated sideshift | mm | 2700 | 3000 | 3300 | 3600 | 4000 |

| Free Lift Triplex (FLT) | | FLT 40 | FLT 43 | FLT 45 | FLT 48 | FLT 50 | FLT 55 | FLT 60 | FLT 65 |
|---|---|---|---|---|---|---|---|---|---|
| α - Mast/fork carriage tilt, forward | ° | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| β - Mast/fork carriage tilt, backward | ° | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| h1 - Mast lowered height | mm | 1945 | 2045 | 2095 | 2245 | 2345 | 2545 | 2795 | 2995 |
| h2 - Mast free lift | mm | 1371 | 1471 | 1521 | 1671 | 1771 | 1971 | 2200 | 2400 |
| h3 - Mast lifting height | mm | 4000 | 4300 | 4500 | 4800 | 5000 | 5500 | 6000 | 6500 |
| h4 - Mast extended height | mm | 4584 | 4884 | 5084 | 5384 | 5584 | 6084 | 6605 | 7105 |
| Residual capacity at max height | kg | 1450 | 1400 | 1350 | 1300 | 1250 | 1200 | 1000 | 600 |
| Residual capacity with integrated side shift at max heigth | kg | 1450 | 1400 | 1350 | 1300 | 1250 | 1200 | 1000 | 600 |
| Residual capacity with hooked-on side shift at max heigth | kg | 1350 | 1300 | 1250 | 1200 | 1150 | 1100 | 900 | 500 |
| Height at max capacity | mm | 2500 | 4300 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |

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