

Technical sheet :

ME 445 FOB



 **MANITOU**
HANDLING YOUR WORLD

Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 30 | FVD 33 | FVD 35 | FVD 40 | FVD 43 | FVD 45 | FVD 48 | FVD 50 |
|--|----|--------|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 | 12 | 12 | 6 | 6 | 6 | 6 |
| h1 - Mast lowered height | mm | 2185 | 2335 | 2435 | 2735 | 2900 | 3010 | 3175 | 3285 |
| h2 - Mast free lift | mm | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| h3 - Mast lifting height | mm | 3000 | 3300 | 3500 | 4000 | 4300 | 4500 | 4800 | 5000 |
| h4 - Mast extended height | mm | 3770 | 4070 | 4270 | 4770 | 5070 | 5270 | 5570 | 5770 |
| Residual capacity at max height | kg | 4500 | 4500 | 4500 | 4500 | 4500 | 4500 | 4450 | 4400 |
| Residual capacity with integrated side shift at max height | kg | 4500 | 4500 | 4500 | 4500 | 4500 | 4500 | 4400 | 4350 |
| Residual capacity with hooked-on side shift at max height | kg | 4300 | 4300 | 4300 | 4300 | 4300 | 4300 | 4200 | 4100 |
| Height at max capacity | mm | 3000 | 3300 | 3500 | 4000 | 4300 | 4500 | 4800 | 4000 |
| Height at max capacity with integrated sideshift | mm | 3000 | 3300 | 3500 | 4000 | 4300 | 4500 | 4000 | 4000 |

| Free Lift Duplex (FLD) | | FLD 30 | FLD 33 | FLD 40 |
|--|----|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 |
| β - Mast/fork carriage tilt, backward | ° | 12 | 12 | 12 |
| h1 - Mast lowered height | mm | 2166 | 2316 | 2666 |
| h2 - Mast free lift | mm | 1365 | 1515 | 1865 |
| h3 - Mast lifting height | mm | 3000 | 3300 | 4000 |
| h4 - Mast extended height | mm | 3805 | 4105 | 4805 |
| Residual capacity at max height | kg | 4500 | 4500 | 4500 |
| Residual capacity with integrated side shift at max height | kg | 4500 | 4500 | 4500 |
| Residual capacity with hooked-on side shift at max height | kg | 4300 | 4300 | 4300 |
| Height at max capacity | mm | 3000 | 3300 | 4000 |
| Height at max capacity with integrated sideshift | mm | 3000 | 3300 | 4000 |

| Free Lift Triplex (FLT) | | FLT 43 | FLT 48 | FLT 50 | FLT 55 | FLT 60 |
|--|----|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | ° | 6 | 6 | 6 | 3 | 3 |
| β - Mast/fork carriage tilt, backward | ° | 6 | 6 | 6 | 6 | 6 |
| h1 - Mast lowered height | mm | 2120 | 2280 | 2350 | 2515 | 2730 |
| h2 - Mast free lift | mm | 1318 | 1478 | 1548 | 1710 | 1928 |
| h3 - Mast lifting height | mm | 4300 | 4800 | 5000 | 5500 | 6000 |
| h4 - Mast extended height | mm | 5105 | 5605 | 5805 | 6305 | 6805 |
| Residual capacity at max height | kg | 4250 | 4200 | 4100 | 3800 | 3700 |
| Residual capacity with integrated side shift at max height | kg | 4200 | 4100 | 3800 | 3700 | 3600 |
| Residual capacity with hooked-on side shift at max height | kg | 4000 | 3900 | 3600 | 3500 | 3400 |
| Height at max capacity | mm | 2500 | 2500 | 2500 | 2500 | 2500 |



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