

Technical sheet :

MI 100 D ST5



 **MANITOU**
HANDLING YOUR WORLD

Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | FVD 30 | FVD 33 | FVD 36 | FVD 40 | FVD 45 | FVD 50 |
|--|--------|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 |
| β - Mast/fork carriage tilt, backward | 12.20 | 12.20 | 12.20 | 12.20 | 6.20 | 6.20 |
| h1 - Mast lowered height | 2850 | 3000 | 3150 | 3350 | 3650 | 3900 |
| h2 - Mast free lift | 200 | 200 | 200 | 200 | 200 | 200 |
| h3 - Mast lifting height | 3000 | 3300 | 3600 | 4000 | 4500 | 5000 |
| h4 - Mast extended height | 4555 | 4855 | 5155 | 5555 | 6055 | 6555 |
| Residual capacity at max height | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| Height at max capacity | 3000 | 2500 | 3600 | 2500 | 2500 | 5000 |
| Height at max capacity with integrated sideshift | 3000 | | 3600 | | | 5000 |

| Free Lift Triplex (FLT) | FLT 45 | FLT 48 | FLT 50 | FLT 55 | FLT 60 |
|--|--------|--------|--------|--------|--------|
| α - Mast/fork carriage tilt, forward | 6.20 | 6.20 | 6.20 | 3.20 | 3.20 |
| β - Mast/fork carriage tilt, backward | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 |
| h1 - Mast lowered height | 2850 | 2950 | 3050 | 3200 | 3350 |
| h2 - Mast free lift | 1305 | 1405 | 1505 | 1655 | 1805 |
| h3 - Mast lifting height | 4500 | 4800 | 5000 | 5500 | 6000 |
| h4 - Mast extended height | 6055 | 6355 | 6555 | 7055 | 7555 |
| Residual capacity at max height | 8500 | 8500 | 8200 | 7700 | 7000 |
| Height at max capacity | 4500 | 4800 | 5000 | 5500 | 6000 |
| Height at max capacity with integrated sideshift | 4500 | 4800 | 5000 | 5500 | 6000 |



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