

Technical sheet :

MSI-X 30



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Technical drawings of a forklift showing top and side views with dimension labels.

Top View Dimensions:

- $b1$: Overall width
- $b3$: Width of the mast
- $b10$: Width of the forks
- e : Distance from the centerline to the fork tip
- $b11$: Width of the rear section
- Wa : Wheelbase
- 100 : Offset from the side wall to the rear of the vehicle
- Ast : Overall length

Side View Dimensions:

- $h4$: Total height
- $h3$: Height to the top of the mast
- $h1$: Height to the top of the operator's seat
- c : Horizontal distance from the mast to the seat
- $h2$: Height of the fork
- $h6$: Height to the top of the rear section
- $h10$: Height of the rear section
- l : Wheelbase
- $m1$: Distance from the front wheel to the mast
- x : Distance from the mast to the operator's seat
- $m2$: Distance from the operator's seat to the rear wheel
- y : Distance from the rear wheel to the rear of the vehicle
- $l2$: Overall length

Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 30 | FVD 33 | FVD 37 | FVD 40 | FVD 45 |
|--------------------------------------|----|--------|--------|--------|--------|--------|
| α - Mast/fork camiage tilt, forward | ° | 10 | 10 | 10 | 10 | 10 |
| β - Mast/fork camiage tilt, backward | ° | 12 | 12 | 12 | 12 | 12 |
| h1 - Mast lowered height | mm | 2136 | 2286 | 2546 | 2736 | 2986 |
| h2 - Mast free lift | mm | 90 | 90 | 90 | 90 | 90 |
| h3 - Mast lifting height | mm | 3000 | 3300 | 3700 | 4000 | 4500 |
| h4 - Mast extended height | mm | 3738 | 4038 | 4438 | 4738 | 5238 |
| Residual capacity at max height | kg | 3000 | 3000 | | | |
| Height at max capacity | mm | 3000 | 3300 | 2500 | 2500 | 2500 |

| Free Lift Triplex (FLT) | | FLT 34 | FLT 37 | FLT 40 | FLT 43 | FLT 47 | FLT 55 | FLT 60 |
|--------------------------------------|----|--------|--------|--------|--------|--------|--------|--------|
| α - Mast/fork camiage tilt, forward | ° | 10 | 10 | 10 | 10 | 10 | 6 | 6 |
| β - Mast/fork camiage tilt, backward | ° | 12 | 12 | 12 | 12 | 12 | 6 | 6 |
| h1 - Mast lowered height | mm | 1936 | 2036 | 2136 | 2286 | 2386 | 2736 | 2986 |
| h2 - Mast free lift | mm | 1208 | 1308 | 1408 | 1558 | 1658 | 2008 | 2258 |
| h3 - Mast lifting height | mm | 3400 | 3700 | 4000 | 4300 | 4700 | 5500 | 6000 |
| h4 - Mast extended height | mm | 4184 | 4484 | 4784 | 5084 | 5484 | 6284 | 6784 |
| Residual capacity at max height | kg | 3000 | | | | | | |
| Height at max capacity | mm | 3400 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |

| Full Visibility Triplex (FVT) | | FVT 33 |
|-------------------------------|----|--------|
| h1 - Mast lowered height | mm | 1826 |
| h2 - Mast free lift | mm | 77 |
| h3 - Mast lifting height | mm | 3300 |
| h4 - Mast extended height | mm | 4027 |
| Height at max capacity | mm | 2500 |



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