Technical sheet :







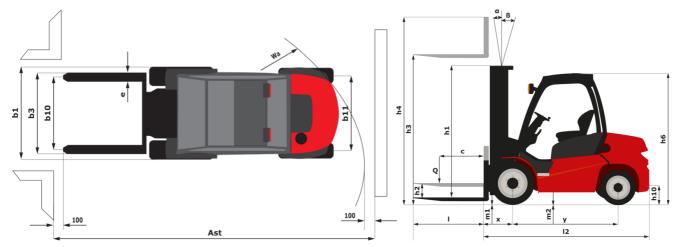
	Technical characteristics
1.1	Manufacturer
1.2	Model Name
1.3	Power source
1.4	Operator type
1.5	Max. capacity
1.6	Load center of gravity
1.8	Load distance, centre of drive axle to fork
1.9	Wheelbase
	Weight
2.1	Service weight
.2	Weight on front axle (laden) / rear axle (laden)
.3	Weight on front axle (Unladen) / rear axle (Unladen)
	Wheels
.1	Tires type
.2	Dimensions of front wheels
.3	Dimensions of rear wheels
.5	Number of front wheels / rear wheels
.2	Number of drive wheels
 6	Front wheel gauge
.7	Rear wheel gauge
	Dimensions
.7	Height of overhead guard (cabin)
, B	Seat height/stand height
9	Overall length
20	Length to face of forks
	Overall width
1 2	Forks section / width / length
22	Fork carriage ISO 2328 (class/form) A/B
24	Fork carriage width
4	Fork carriage width Ground clearance below mast
	Ground clearance below mast
32	
33	Aisle Width for pallets 1000 x 1200 crossways
35	Tuming radius
1	Performances
.1	Travel speed (laden / unladen)
2	Lifting speed (laden / unladen)
3	Lowering speed (laden / unladen)
5	Drawbar pull (Laden / Unladen)
7	Gradeability (laden / unladen)
10	Service brake
	Engine
1	Engine brand / model / norm
	I.C. Engine power rating
3	Rated speed
.4	Number of cylinders / Capacity of cylinders
	Miscellaneous
.1	Type of drive control
.2	Working hydraulic pressure for attachments
.3	Oil flow rate for attachments
4	Measured/guaranteed mean noise level at the ear of the operator
4	Sound level at the driver's ear according to DIN 12 053

MSI-X 35	Created on August 13, 2025 at 12:25 AM UTC
	Metric
	Manitou
	MSI-X 35
	Diesel
	Seated
Q	3500 kg
С	500 mm
х	631 mm
у	1900 mm
	4645 kg
	7260 kg / 885 kg
	1680 kg / 2965 kg
	Pneumatic
	300-15/18 6T P43
	7.00-12/12 ED PLUS
	2 / 2
	2
b10	1044 mm
b11	1108 mm
h6	2095 mm
h7	972 mm
1	4239 mm
12	3189 mm
b1	1330 mm
s / e / l	50 mm x 122 mm x 1150 mm
L0	3A
b3	1260 mm 260 mm
m1 m2	238 mm
Ast	4661 mm
Wa	2680 m
	2000 m
	18 km/h-22 km/h
	0.50 m/s-0.50 m/s
	0.50 m/s-0.30 m/s
	2070 daN / 1380 daN
	26 % / 31 %
	Hydraulic brakes by loss of pressure
	Kubota / V2403 / Stage IIIA
	36 kW
	2700 rpm
	4 - 2434 cm <sup>3</sup>
	Cable
	Cable 180 bar
	45 l/min
	< 80 dB
	80 dB

## MSI-X 35 - Dimensional drawing

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## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 37	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward °		10	10	3500	10	10
$\beta$ - Mast/fork carriage tilt, backward	٥	12	12	3500	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	3500	3500			
Height at max capacity	mm	3000	3700	3700	2500	2500

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55	FLT 60
a - Mast/fork carriage tilt, forward	٥	10	10	10	10	10	б	6
$\beta$ - Mast/fork carriage tilt, backward	٥	12	12	12	12	12	б	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	3500						
Height at max capacity	mm	3400	2500	2500	2500	2500	2500	2500

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	۰	10
$\beta$ - Mast/fork carriage tilt, backward	٥	12
h1 - Mast lowered height	mm	1826
h2 - Mast free lift	mm	82
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4027
Height at max capacity	mm	2500



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