Technical sheet :







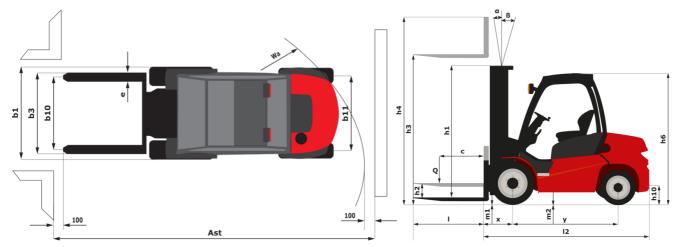
	Technical characteristics
1	Manufacturer
2	Model Name
3	Power source
4	Operator type
5	Max. capacity
5	Load center of gravity
	Load distance, centre of drive axle to fork
	Wheelbase
	Weight
	Service weight
	Weight on front axle (laden) / rear axle (laden)
	Weight on front axle (Unladen) / rear axle (Unladen)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

MSI-X 35	Created on September 15, 2025 at 1:18 AM UTC
	Metric
	Manitou
	MSI-X 35
	Diesel
	Seated
Q	3500 kg
С	500 mm
x	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
b10	2
b10 b11	1044 mm 1108 mm
	1108 1111
h6	2095 mm
h7	972 mm
11	4239 mm
12	3189 mm
b1	1330 mm
s/e/l	50 mm x 122 mm x 1150 mm
	3A
b3	1260 mm
m1	260 mm
m2	238 mm
Ast	4661 mm
Wa	2680 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
	Kubata / V/2402 / Chara IIIA
	Kubota / V2403 / Stage IIIA 36 kW
	2700 rpm 4 - 2434 cm³
	- 2434 UII
	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	٥	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
α - Mast/fork carriage tilt, forward °		10	10	10	10	10	б	6
β - Mast/fork carriage 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	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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