Technical sheet :



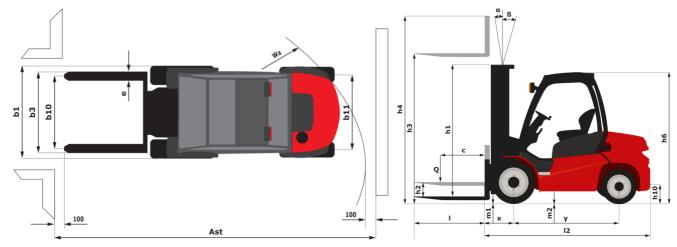




	Technical characteristics
1	Manufacturer
2	Model Name
	Power source
1	Operator type
5	Max. capacity
	Load center of gravity
	Load distance, centre of drive axle to fork
	Wheelbase
	Weight
	Service weight
	Weight on front axle (laden) / rear axle (laden)
	Weight on front axle (Unladen) / rear axle (Unladen)
	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
, 1	Height of overhead guard (cabin)
	Seat height/stand height
)	Overall length
0	Length to face of forks
	Overall width
	Forks section / width / length
23	Fork carriage ISO 2328 (class/form) A/B
24	Fork carriage width
1	Ground clearance below mast
2	Ground clearance at centre of wheelbase
3	Aisle Width for pallets 1000 x 1200 crossways
	Turning radius
	Performances
l i	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 25	Created on June 16, 2025 at 5:46 PM UTC
	Metric
	Manitou
	MSI-X_25
	Diesel
	Seated
Q	2500 kg
С	500 mm
x	621 mm
у	1900 mm
	3875 kg
	5510 kg / 865 kg
	1533 kg / 2342 kg
	Inflatable
	300-15/18 6T R43
	7.00-12/12 ED PLUS
	2/2
	2
b10	1044 mm
b11	1108 mm
h6	2095 mm
h7	972 mm
11	4193 mm
12	3043 mm
b1	1330 mm
s / e / l	40 mm x 122 mm x 1150 mm
	2A
b3	1260 mm
m1	260 mm 238 mm
m2 Ast	4591 mm
Wa	2620 mm
Wu I	2020 1111
	18 km/h-22 km/h
	0.50 m/s-0.50 m/s
	0.50 m/s-0.30 m/s
	2010 daN / 1250 daN
	33 % / 34 %
	Hydraulic brakes by loss of pressure
	Kubota / V2403 / Stage IIIA
	36 kW
	2700 rpm
	4 - 2434 cm³
	Cable
	180 bar
	45 l/min
	< 80 dB
	80 dB





## 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	10	10	10
β - Mast/fork carriage tilt, backward °		12	12	12	12	12
h1 - Mast lowered height	mm	2136	2286	2546	2736	2986
h2 - Mast free lift	mm	85	85	85	85	85
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	2500	2500			
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 carriage tilt, forward °		10	10	10	10	10	6	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	1183	1283	1383	1483	1633	1893	2083
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500	6000
h4 - Mast extended height	mm	4184	4484	4784	5116	5484	6356	6916
Residual capacity at max height kg		2500	2500	2500	2500	2500		
Height at max capacity	mm	3400	3700	4000	4300	4700	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	72
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4027
Height at max capacity	mm	2500



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