Technical sheet :





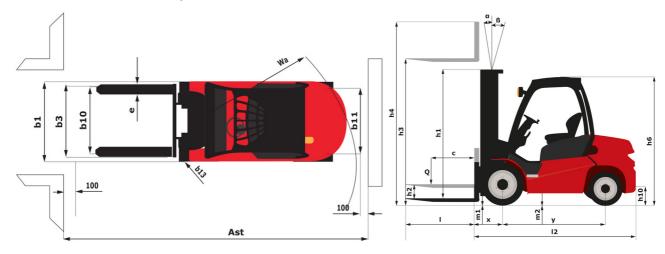


	Technical characteristics
1.1	Manufacturer
1.2	Model Name
1.2	Power source
1.3	
	Operator type
1.5	Max. capacity
1.6	Load center of gravity
1.8	Load distance, centre of drive axle to fork
1.9	Wheelbase
	Weight
2.1	Service weight
2.2	Weight on front axle (laden) / rear axle (laden)
2.3	Weight on front axle (Unladen) / rear axle (Unladen)
	Wheels
3.1	Tires type
3.2	Dimensions of front wheels
3.3	Dimensions of rear wheels
3.5	Number of front wheels / rear wheels
5.2	Number of drive wheels
3.6	Front wheel gauge
3.7	Rear wheel gauge
	Dimensions
.7	Height of overhead guard (cabin)
.8	Seat height/stand height
12	Height of towing bar (coupling height)
19	Overall length
.20	Length to face of forks
21	Overall width
.21	Overall width - Single wheels
.22	Forks section / width / length
.23	Fork carriage ISO 2328 (class/form) A/B
.24	Fork carriage width
l.31	Ground clearance below mast
.32	Ground clearance at centre of wheelbase
1.33	Aisle Width for pallets 1000 x 1200 crossways
.34	Aisle width for 800 x 1200 pallet lengthways
.35	Turning radius
.36	Internal turning radius (over tyres)
	Performances
i.1	Travel speed (laden / unladen)
.2	Lifting speed (laden / unladen)
.3	Lowering speed (laden / unladen)
.5	Drawbar pull (Laden / Unladen)
5.7	Gradeability (laden / unladen)
.10	Service brake
	Engine
1	Engine brand / model
.2	Engine power according to ISO 1585
.3	Rated speed
.4	Number of cylinders / Capacity of cylinders
	Miscellaneous
8.2	Working hydraulic pressure for attachments
8.3	Oil flow rate for attachments
8.4	Measured/guaranteed mean noise level at the ear of the operator Sound level at the driver's ear according to DIN 12 053

мі 50 D Created on April 26, 2024 at 6:11:51 AM UTC

	Manitou
	MI 50 D
	Diesel
	Seated
	11023 lb
	20 in
	22 in
	85 in
	14991 lb
	23038 lb / 2976 lb
	6614 lb / 8378 lb
	Pneumatic
	300-15-18PR
	7.00-12-12PR
	2 / 2
	2
	47 in
	44 in
	94 in
	54 in
	18 in
	176 in
	128 in
	59 in
	59 in
I	2 in x 6 in x 48 in
	3A
	49 in
	7 in
	9 in
	189 in
	194 in
	115 in
	5 in
	14 mph-15 mph
	1 ft/s-1 ft/s
	2 ft/s-2 ft/s
	4000 daN / 2100 daN
	31 % / 34 %
	Hydraulic
	Cummins / QSF2.8T4F
	55 kW
	2600 rpm
	4 - 171 in³
	2321 PSI
	24 US gpm
	< 84 dB
	84 dB

MI 50 D - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50
Mast/fork carriage tilt, forward	۰	6	6	6	6	6	6	6
Mast/fork carriage tilt, backward	۰	12	12	12	12	12	12	12
h1 - Mast lowered height	in	88.4	94.3	98.2	102.2	110	120.9	131.7
h2 - Mast free lift	in	6.3	6.3	6.3	6.3	6.3	6.3	6.3
h3 - Mast lifting height	in	118.1	129.9	137.8	145.7	157.5	177.2	196.9
h4 - Mast extended height	in	171.9	183.7	191.5	199.4	211.2	230.9	250.6
Residual capacity at max height	lb	11023	11023	11023	11023	11023	10362	9039
Residual capacity with integrated side shift at max heigth	lb	11023	11023	11023	11023	11023	10141	8818
Height at max capacity	in	118.1	129.9	137.8	145.7	157.5	157.5	157.5
Height at max capacity with integrated sideshift	in	118.1	129.9	137.8	145.7	157.5	157.5	157.5

Free Lift Duplex (FLD)		FLD 30	FLD 33	FLD 35	FLD 37
Mast/fork carriage tilt, forward °		6	6	6	6
Mast/fork carriage tilt, backward	۰	12	12	12	12
h1 - Mast lowered height	in	87.6	93.5	97.5	101.4
h2 - Mast free lift	in	53.7	59.6	63.5	67.5
h3 - Mast lifting height	in	118.1	129.9	137.8	145.7
h4 - Mast extended height	in	171.9	183.7	191.5	199.4
Residual capacity at max height	lb	11023	11023	11023	11023
Residual capacity with integrated side shift at max heigth	lb	11023	11023	11023	11023
Height at max capacity	in	118.1	129.9	137.8	145.7
Height at max capacity with integrated sideshift	in	118.1	129.9	137.8	145.7

Free Lift Triplex (FLT)		FLT 40	FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
Mast/fork carriage tilt, forward	۰	6	6	6	6	6	3	3
Mast/fork carriage tilt, backward	۰	12	6	6	6	6	6	6
h1 - Mast lowered height	in	81.9	85.8	88.5	90.9	94.9	101.4	109.8
h2 - Mast free lift	in	48.1	52	54.7	57.2	61.1	67.6	76.1
h3 - Mast lifting height	in	157.5	169.3	177.2	185	196.9	216.5	236.2
h4 - Mast extended height	in	211.2	223	231.5	239	250.8	270.5	290.6
Residual capacity at max height	lb	10692	10362	10141	9480	8598	7496	5952
Residual capacity with integrated side shift at max heigth	lb	10472	10141	9921	9259	8378	7275	5732
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4



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