Technical sheet :







Technical characteristics	
1.1 Manufacturer	
1.2 Model Name	
1.3 Power source	
1.4 Operator type	
1.5 Max. capacity	Q
1.6 Load center of gravity	C
1.8 Load distance, centre of drive axle to fork	x
1.9 Wheelbase	y
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	
3.5.2 Number of drive wheels	L40
3.6 Front wheel gauge	b10
3.7 Rear wheel gauge	b11
Dimensions	
4.7 Height of overhead guard (cabin)	h6
4.8 Seat height/stand height	h7
4.12 Height of towing bar (coupling height)	h10
4.19 Overall length	1
4.20 Length to face of forks	12
4.21 Overall width	b1
4.21 Overall width - Single wheels	b1
4.21 Overall width - Twinned wheels	b1
4.22 Forks section / width / length	s / e / l
4.23 Fork carriage ISO 2328 (class/form) A/B	
4.24 Fork carriage width	b3
4.31 Ground clearance below mast	m1
4.32 Ground clearance at centre of wheelbase	m2
4.33 Aisle Width for pallets 1000 x 1200 crossways	Ast
4.34 Aisle width for 800 x 1200 pallet lengthways	Ast
4.35 Turning radius	Wa
4.36 Internal turning radius (over tyres)	b13
Performances	
5.1 Travel speed (laden / unladen)	
5.2 Lifting speed (laden / unladen)	
5.3 Lowering speed (laden / unladen)	
5.5 Drawbar pull (Laden / Unladen)	
5.7 Gradeability (laden / unladen)	
5.10 Service brake	
Engine	
7.1 Engine brand / model	
7.2 Engine power according to ISO 1585	
7.3 Rated speed	
7.4 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	
8.4 Sound level at the driver's ear according to DIN 12 053	

II-X 45 L	Greated off April 24, 2024 at 3.17.37 PM OTC
	Imperial
	Manitou
	MI-X 45 D
	Diesel
	Seated
Q	9921 lb
С	20 in
х	22 in
у	79 in
	14330 lb
	21219 lb / 3031 lb
	6217 lb / 8113 lb
	Pneumatic
	300-15-18PR
	7.00-12-12PR
	2/2
	2
b10	47 in
b11	44 in
h6	94 in
h7	54 in
h10	18 in
11	170 in
12	122 in
b1	59 in
b1	59 in
b1	76 in
s / e / l	2 in x 6 in x 48 in
L 0	3A 40 in
b3	49 in
m1	7 in
m2	9 in 194 in
Ast	184 in
Ast	189 in
Wa b13	110 in 4 in
013	4 111
	14 mph-15 mph
	2 ft/s-2 ft/s
	2 ft/s-2 ft/s
	3800 daN / 2200 daN
	34 % / 34 %
	Hydraulic
	Perkins / 1104D-44
	56 kW
	2200 rpm
	4 - 269 in ³
	2321 PSI
	24 US gpm
	< 87 dB
	87 dB

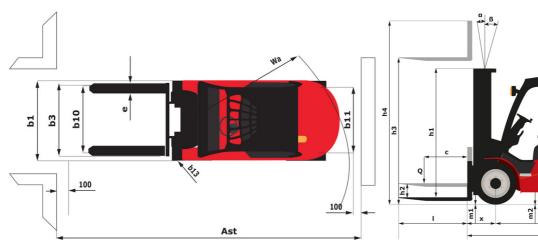
h6

h10

у

12

MI-X 45 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	٥	12	12	12	12	12	6	6
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	164.2	176	183.9	191.7	203.5	223.2	242.9
Residual capacity at max height	lb	9921	9921	9921	9921	9921	9039	8157
Residual capacity with integrated side shift at max heigth	lb	9921	9921	9921	9921	9921	8818	7937
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	۰	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	164.2	176	183.9	191.7
Residual capacity at max height	lb	9921	9921	9921	9921
Residual capacity with integrated side shift at max heigth	lb	9921	9921	9921	9921
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	٥	6	6	6	6	6	3	3
Mast/fork carriage tilt, backward	٥	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	48.4	52.3	54.9	57.4	61.4	67.9	76.3
h3 - Mast lifting height	in	157.5	169.3	177.2	185	196.9	216.5	236.2
h4 - Mast extended height	in	203.5	215.4	223.8	231.1	242.9	262.6	282.7
Residual capacity at max height	lb	9811	9480	9039	8598	7937	6834	5512
Residual capacity with integrated side shift at max heigth	lb	9590	9259	8818	8378	7716	6614	5291
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4



Head Office B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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