Technical sheet:

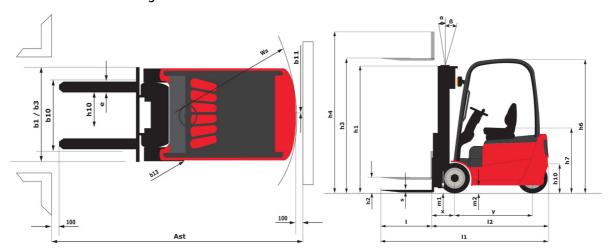
ME 315





		ME 313 Greated	011 Maich 20, 2024 at 4.17.30 FW 010
	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		ME 315
1.3	Power source		Electrical
1.4	Operator type		Sitting
1.5	Max. capacity	Q	3307 lb
1.6	Load center of gravity	С	20 in
1.8	Load distance, centre of drive axle to fork	X	14 in
1.9	Wheelbase	у	49 in
	Weight		
2.1	Service weight		6305 lb
2.2	Weight on front axle (laden) / rear axle (laden)		7937 lb / 1235 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2976 lb / 3329 lb
	Wheels		
3.1	Tires type		PPS
3.2	Dimensions of front wheels		18 x 7 - 8
3.3	Dimensions of rear wheels		15 x 4.5 - 8
3.5	Number of front wheels / rear wheels		2/1
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	36 in
3.7	Rear wheel gauge	b11	7 in
0.7	Dimensions	511	7
4.7	Height of overhead guard (cabin)	h6	80 in
4.8	Seat height/stand height	h7	39 in
4.12	Height of towing bar (coupling height)	h10	20 in
4.12	Overall length	l1	113 in
4.19	Length to face of forks	12	70 in
4.21		b1	43 in
	Overall width		43 III 4 in x 45 in x 1 in
4.22	Forks section / width / length	s / e / l	2A
	Fork carriage ISO 2328 (class/form) A/B	LO.	39 in
4.24	Fork carriage width	b3	
4.32	Ground clearance at centre of wheelbase	m2	4 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	124 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	128 in
4.35	Tuming radius	Wa	57 in
4.36	Internal turning radius (over tyres)	b13	0 in
	Performances		
5.1	Travel speed (laden / unladen)		10 mph-10 mph
5.2	Lifting speed (laden / unladen)		1 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s-1 ft/s
5.7	Gradeability (laden / unladen)		16 % / 18 %
5.10	Service brake		Oil bath
	Engine		
6.1	Number of drive motor / Drive motor rating S2 60 min		2 / 4.50 kW
6.2	Lift motor rating at S3 15%		8.60 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43531 A
6.4	Battery voltage / capacity		48 V / 460 Ah
6.6	Energy consumption		4.30 kWh
	Miscellaneous		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		2248 PSI
8.3	Oil flow rate for attachments		9 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB
8.4	Sound level at the driver's ear according to DIN 12 053		70 dB

ME 315 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 27	FVD 30	FVD 33	FVD 36	FVD 40	FVD 43	FVD 45
Mast/fork carriage tilt, forward	۰	5.50	5.50	5.50	5.50	3.50	3.50	3.50
Mast/fork carriage tilt, backward	۰	6	6	6	6	5	5	5
h1 - Mast lowered height	in	72.6	78.5	84.4	90.4	100.2	106.7	111
h2 - Mast free lift	in	5.7	5.7	5.7	5.7	5.7	5.7	5.7
h3 - Mast lifting height	in	106.3	118.1	129.9	141.7	157.5	169.3	177.2
h4 - Mast extended height	in	128.5	140.4	152.2	164	179.7	191.5	199.4
Residual capacity at max height	lb	3307	3307	3307	3307	3307	3197	3086
Residual capacity with integrated side shift at max heigth	lb	3307	3307	3307	3307	3307	3197	3086
Residual capacity with hooked-on side shift at max heigth	lb	3307	3307	3307	3197	3086	2976	2866
Height at max capacity	in	106.3	118.1	129.9	141.7	157.5	157.5	157.5
Height at max capacity with integrated sideshift	in	106.3	118.1	129.9	141.7	157.5	157.5	157.5

Free Lift Duplex (FLD)		FLD 27	FLD 30	FLD 33	FLD 36	FLD 40
Mast/fork carriage tilt, forward	۰	5.50	5.50	5.50	5.50	3.50
Mast/fork carriage tilt, backward	۰	6	6	6	6	5
h1 - Mast lowered height	in	72.6	78.5	84.4	90.4	100.2
h2 - Mast free lift	in	49.6	55.5	61.4	67.3	77.2
h3 - Mast lifting height	in	106.3	118.1	129.9	141.7	157.5
h4 - Mast extended height	in	129.7	141.5	153.3	165.2	180.9
Residual capacity at max height	lb	3307	3307	3307	3307	3307
Residual capacity with integrated side shift at max heigth	lb	3307	3307	3307	3307	3307
Residual capacity with hooked-on side shift at max heigth	lb	3307	3307	3307	3197	3086
Height at max capacity	in	106.3	118.1	129.9	141.7	157.5
Height at max capacity with integrated sideshift	in	106.3	118.1	129.9	141.7	157.5

Free Lift Triplex (FLT)		FLT 40	FLT 43	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
Mast/fork carriage tilt, forward °		3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Mast/fork carriage tilt, backward	۰	5	5	5	5	5	5	5	5
h1 - Mast lowered height	in	75.2	79.1	81.7	85.6	88.2	94.9	103.3	111.8
h2 - Mast free lift	in	52.2	56.1	58.7	62.6	65.2	71.9	79.1	79.1
h3 - Mast lifting height	in	157.5	169.3	177.2	189	196.9	216.5	236.2	255.9
h4 - Mast extended height	in	180.9	192.7	200.6	212.4	220.3	240	260.8	282.3
Residual capacity at max height	lb	3086	2976	2976	2866	2756	2535	2205	1764
Residual capacity with integrated side shift at max heigth	lb	3086	2976	2976	2866	2756	2535	2205	1764
Residual capacity with hooked-on side shift at max heigth	lb	2866	2756	2756	2646	2535	2315	1984	1543
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4





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