

Technical sheet :

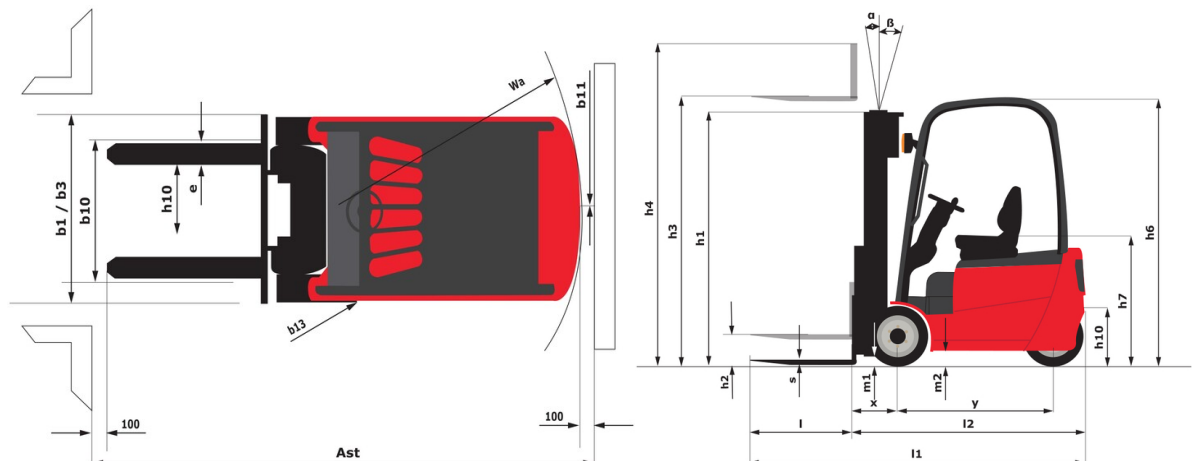
ME 315 C



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		ME 315c	ME 315c
1.3	Power source		Electrical	Electrical
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	1500 kg	3307 lb
1.6	Load center of gravity	c	500 mm	20 in
1.8	Load distance, centre of drive axle to fork	x	365 mm	14 in
1.9	Wheelbase	y	1220 mm	48 in
Weight				
2.1	Service weight		3000 kg	6614 lb
2.2	Weight on front axle (laden) / rear axle (laden)		3930 kg / 570 kg	8664 lb / 1257 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1370 kg / 1630 kg	3020 lb / 3594 lb
Wheels				
3.1	Tires type		Super Elastic	Super Elastic
3.2	Dimensions of front wheels		18x7-8	18x7-8
3.3	Dimensions of rear wheels		200/50-10	200/50-10
3.5	Number of front wheels / rear wheels		2 / 1	2 / 1
3.5.2	Number of drive wheels		1	1
3.6	Front wheel gauge	b10	835 mm	33 in
Dimensions				
4.7	Height of overhead guard (cabin)	h6	2105 mm	83 in
4.8	Seat height/stand height	h7	1020 mm	40 in
4.12	Height of towing bar (coupling height)	h10	500 mm	20 in
4.19	Overall length	l1	3015 mm	119 in
4.20	Length to face of forks	l2	1865 mm	73 in
4.21	Overall width	b1	990 mm	39 in
4.22	Forks section / width / length	s / e / l	35 mm x 100 mm x 1150 mm	1 in x 4 in x 45 in
4.23	Fork carriage ISO 2328 (class/form) A/B		2A	2A
4.24	Fork carriage width	b3	1000 mm	39 in
4.31	Ground clearance below mast	m1	100 mm	4 in
4.32	Ground clearance at centre of wheelbase	m2	100 mm	4 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	3201 mm	126 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3325 mm	131 in
4.35	Turning radius	Wa	1510 mm	59 in
Performances				
5.1	Travel speed (laden / unladen)		9.50 km/h-10.50 km/h	6 mph-7 mph
5.2	Lifting speed (laden / unladen)		0.22 m/s-0.34 m/s	0.72 ft/s-1 ft/s
5.3	Lowering speed (laden / unladen)		0.58 m/s-0.48 m/s	2 ft/s-2 ft/s
5.5	Drawbar pull (Laden / Unladen)		500 daN / 530 daN	500 daN / 530 daN
5.7	Gradeability (laden / unladen)		7 % / 9 %	7 % / 9 %
5.10	Service brake		Hydraulic	Hydraulic
Engine				
6.1	Drive motor rating S2 60 min		4 kW	4 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43535 A	DIN43535 A
6.4	Battery voltage / capacity		24 V / 840 Ah	24 V / 840 Ah
7.2	I.C. Engine power rating		8.60 kW	8.60 kW
6.6	Energy consumption according to VDI cycle (kWh/h)		3.50 kWh/h	3.50 kWh/h
Miscellaneous				
8.1	Type of drive control		Electric	Electric
8.2	Working hydraulic pressure for attachments		145 bar	2103 PSI
8.3	Oil flow rate for attachments		16 l/min	4 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 70 dB	< 70 dB
8.4	Sound level at the driver's ear according to DIN 12 053		40 dB	40 dB

ME 315 C - 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
α - Mast/fork carriage tilt, forward	°	6	6	6	6	3.50	3.50	3.50
β - Mast/fork carriage tilt, backward	°	5	5	5	5	5	5	5
h1 - Mast lowered height	in (mm)	72 (1830)	78 (1980)	83.9 (2130)	91.7 (2330)	101.6 (2580)	107.5 (2730)	111.4 (2830)
h2 - Mast free lift	in (mm)	6.1 (155)	6.1 (155)	6.1 (155)	6.1 (155)	6.1 (155)	6.1 (155)	6.1 (155)
h3 - Mast lifting height	in (mm)	106.3 (2700)	118.1 (3000)	129.9 (3300)	141.7 (3600)	157.5 (4000)	169.3 (4300)	177.2 (4500)
h4 - Mast extended height	in (mm)	127.3 (3233)	139.1 (3533)	150.9 (3833)	162.7 (4133)	178.5 (4533)	190.3 (4833)	198.1 (5033)
Residual capacity at max height	lb (kg)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3197 (1450)
Residual capacity with integrated side shift at max heigh	lb (kg)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3197 (1450)
Residual capacity with hooked-on side shift at max heigh	lb (kg)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3197 (1450)	3086 (1400)	2976 (1350)
Height at max capacity	in (mm)	106.3 (2700)	118.1 (3000)	129.9 (3300)	141.7 (3600)	157.5 (4000)	169.3 (4300)	157.5 (4000)
Height at max capacity with integrated sideshift	in (mm)	106.3 (2700)	118.1 (3000)	129.9 (3300)	141.7 (3600)	157.5 (4000)	169.3 (4300)	157.5 (4000)

Free Lift Duplex (FLD)		FLD 27	FLD 30	FLD 33	FLD 36	FLD 40
α - Mast/fork carriage tilt, forward	°	6	6	6	6	3.50
β - Mast/fork carriage tilt, backward	°	5	5	5	6	5
h1 - Mast lowered height	in (mm)	72.6 (1845)	78.5 (1995)	84.4 (2145)	90.4 (2295)	100.2 (2545)
h2 - Mast free lift	in (mm)	50.6 (1286)	56.5 (1436)	62.4 (1586)	68.3 (1736)	78.2 (1986)
h3 - Mast lifting height	in (mm)	106.3 (2700)	118.1 (3000)	129.9 (3300)	141.7 (3600)	157.5 (4000)
h4 - Mast extended height	in (mm)	128.3 (3259)	140.1 (3559)	151.9 (3859)	163.7 (4159)	179.5 (4559)
Residual capacity at max height	lb (kg)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)
Residual capacity with integrated side shift at max heigh	lb (kg)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)
Residual capacity with hooked-on side shift at max heigh	lb (kg)	3307 (1500)	3307 (1500)	3307 (1500)	3307 (1500)	3197 (1450)
Height at max capacity	in (mm)	106.3 (2700)	118.1 (3000)	129.9 (3300)	141.7 (3600)	157.5 (4000)
Height at max capacity with integrated sideshift	in (mm)	106.3 (2700)	118.1 (3000)	129.9 (3300)	141.7 (3600)	157.5 (4000)

Free Lift Triplex (FLT)		FLT 40	FLT 43	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
α - Mast/fork carriage tilt, forward	°	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
β - Mast/fork carriage tilt, backward	°	5	5	5	5	5	5	5	5
h1 - Mast lowered height	in (mm)	76.6 (1945)	80.5 (2045)	82.5 (2095)	88.4 (2245)	92.3 (2345)	100.2 (2545)	110 (2795)	117.9 (2995)
h2 - Mast free lift	in (mm)	54 (1371)	57.9 (1471)	59.9 (1521)	65.8 (1671)	69.7 (1771)	77.6 (1971)	86.6 (2200)	94.5 (2400)
h3 - Mast lifting height	in (mm)	157.5 (4000)	169.3 (4300)	177.2 (4500)	189 (4800)	196.9 (5000)	216.5 (5500)	236.2 (6000)	255.9 (6500)
h4 - Mast extended height	in (mm)	180.5 (4584)	192.3 (4884)	200.2 (5084)	212 (5384)	219.8 (5584)	239.5 (6084)	260 (6605)	279.7 (7105)
Residual capacity at max height	lb (kg)	3197 (1450)	3086 (1400)	2976 (1350)	2866 (1300)	2756 (1250)	2646 (1200)	2205 (1000)	1323 (600)
Residual capacity with integrated side shift at max heigh	lb (kg)	3197 (1450)	3086 (1400)	2976 (1350)	2866 (1300)	2756 (1250)	2646 (1200)	2205 (1000)	1323 (600)
Residual capacity with hooked-on side shift at max heigh	lb (kg)	2976 (1350)	2866 (1300)	2756 (1250)	2646 (1200)	2535 (1150)	2425 (1100)	1984 (900)	1102 (500)
Height at max capacity	in (mm)	98.4 (2500)	169.3 (4300)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)



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