

Technical sheet :

# **ME 315**

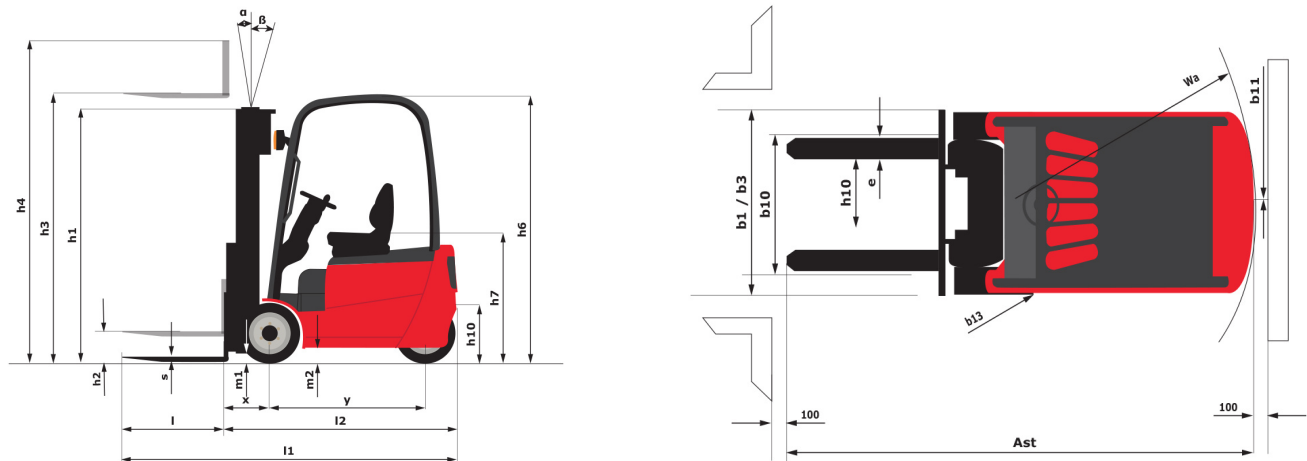
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Technical characteristics			Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ME 315
1.3	Power source		Electric
1.4	Operator type		Seated
1.5	Max. capacity	Q	1500 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	355 mm
1.9	Wheelbase	y	1250 mm
Weight			
2.1	Service Weight		2860 kg
2.2	Weight on front axle (laden) / rear axle (laden)		3600 kg / 560 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1350 kg / 1510 kg
Wheels			
3.1	Tyres type		Super Elastic
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
3.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	910 mm
3.7	Rear wheel	b11	175 mm
Dimensions			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	$\alpha / \beta$	15 / 15
4.7	Height of overhead guard (cabin)	h6	2040 mm
4.8	Seat height/stand height	h7	1000 mm
4.12	Height of towing bar (coupling height)	h10	500 mm
4.19	Overall length	l1	2860 mm
4.20	Length to face of forks	l2	1790 mm
4.21	Overall width	b1	1086 mm
4.22	Forks section / width / length	s / e / l	100 mm x 1150 mm x 35 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1000 mm
4.32	Ground clearance at centre of wheelbase	m2	100 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	3134 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3258 mm
4.35	Turning radius	Wa	1452 mm
4.36	Internal turning radius (over tyres)	b13	0 mm
Performances			
5.1	Travel speed (laden / unladen)		16 km/h / 16 km/h
5.2	Lifting speed (laden / unladen)		0.4 Nm / 0.47 Nm
5.3	Lowering speed (laden / unladen)		0.46 Nm / 0.45 Nm
5.7	Gradeability - laden / unladen (%)		16 % / 18
5.10	Service brake		Oil bath
Engine			
6.1	Drive motor rating S2 60 min		4.75 kW

Engine			
6.2	Lift motor rating at S3 15%		8.6 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43531 A
6.4	Battery / Batteries capacity		48 V / 460 A
Miscellaneous			
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments (bar)		155 Bar
8.3	Oil flow rate for attachments (l/min)		35

## Dimensional drawing



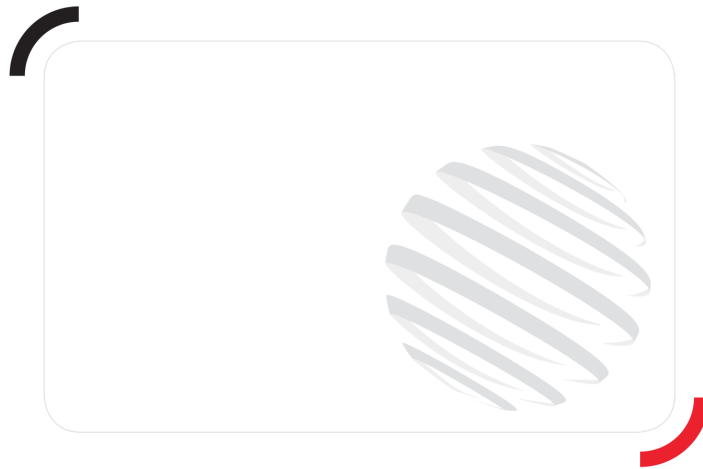
## Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 27	FVD 30	FVD 33	FVD 36	FVD 40	FVD 43	FVD 45
h2 - Free lift	mm	145	145	145	145	145	145	145
h1 - Height mast Lowered	mm	1845	1995	2145	2295	2545	2710	2820
h3 - Lifting Height	mm	2700	3000	3300	3600	4000	4300	4500
h4 - Height mast extended	mm	3265	3565	3865	4165	4565	4865	5065
α / β - Mast inclination (front / rear)	---	6 / 6	6 / 6	6 / 6	6 / 6	4 / 5	4 / 5	4 / 5
Residual Capacity without attachment (Industrial load chart)	kg	1500	1500	1500	1500	1500	1450	1400
Residual Capacity with integrated side shift (Industrial load chart)	kg	1500	1500	1500	1500	1500	1450	1400
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1500	1500	1500	1500	1500	1450	1400
Height at max capacity	mm	2700	3000	3300	3600	4000	4000	4000
Height at max capacity with integrated sideshift	mm	2700	3000	3300	3600	4000	4000	4000

Free Lift Duplex		FLD 27	FLD 30	FLD 33	FLD 36	FLD 40
h2 - Free lift	mm	1260	1410	1560	1710	1960
h1 - Height mast Lowered	mm	1845	1995	2145	2295	2545
h3 - Lifting Height	mm	2700	3000	3300	3600	4000
h4 - Height mast extended	mm	3295	3595	3895	4195	4595
α / β - Mast inclination (front / rear)	---	6 / 6	6 / 6	6 / 6	6 / 6	4 / 5
Residual capacity at max height	kg	1500				
Residual Capacity without attachment (Industrial load chart)	kg	1500	1500	1500	1500	1500
Residual Capacity with integrated side shift (Industrial load chart)	kg	1500	1500	1500	1500	1500
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1500	1500	1500	1500	1500
Height at max capacity	mm	2700	3000	3300	3600	4000
Height at max capacity with integrated sideshift	mm	2700	3000	3300	3600	4000

Free Lift Triplex		FLT 40	FLT 43	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
h2 - Free lift	mm	1325	1425	1490	1590	1655	1825	2010	2010
h1 - Height mast Lowered	mm	1910	2010	2075	2175	2240	2410	2625	2840
h3 - Lifting Height	mm	4000	4300	4500	4800	5000	5500	6000	6500
h4 - Height mast extended	mm	4595	4895	5095	5395	5595	6095	6625	7170

Free Lift Triplex		FLT 40	FLT 43	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
$\alpha / \beta$ - Mast inclination (front / rear)	---	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5	4 / 5
Residual Capacity without attachment (Industrial load chart)	kg	1400	1350	1350	1300	1250	1150	1000	800
Residual Capacity with integrated side shift (Industrial load chart)	kg	1400	1350	1350	1300	1250	1150	1000	800
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1400	1350	1350	1300	1250	1150	1000	800



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