

Technical sheet :

ME 320



Technical characteristics			Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ME 320
1.3	Power source		Electric
1.4	Operator type		Seated
1.5	Max. capacity	Q	2000 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	1465 mm
Weight			
2.1	Service Weight		3470 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4750 kg / 720 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1530 kg / 1940 kg
Wheels			
3.1	Tyres type		Super Elastic
3.2	Dimensions of front wheels		200/50-10
3.3	Dimensions of rear wheels		15x4,5-8
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)	α / β	5.5 / 6.5
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	3076 mm
4.20	Length to face of forks	l2	2006 mm
4.21	Overall width	b1	1120 mm
4.22	Forks section / width / length	s / e / l	40 mm x 122 mm x 1070 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 2A
4.24	Fork carriage width	b3	1000 mm
4.31	Ground clearance below mast	m1	100 mm
4.32	Ground clearance at centre of wheelbase	m2	110 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	3342 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	3466 mm
4.35	Turning radius	Wa	1660 mm
Performances			
5.1	Travel speed (laden / unladen)		15 km/h / 15 km/h
5.2	Lifting speed (laden / unladen)		0.4 Nm / 0.45 Nm
5.3	Lowering speed (laden / unladen)		0.47 Nm / 0.42 Nm
5.5	Drawbar pull (Laden / Unladen)		900 daN / 930
5.7	Gradeability - laden / unladen (%)		13 % / 15
5.10	Service brake		Oil bath
Engine			

Engine			
6.1	Drive motor rating S2 60 min		9.5 kW
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 / 690 A
7.5	Fuel consumption according to VDI cycle		4,7
Miscellaneous			
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments (bar)		180 Bar
8.3	Oil flow rate for attachments (l/min)		35
8.4	Measured/guaranteed mean noise level at the ear of the operator		70

Free Lift Triplex		FLT 40	FLT 43	FLT 45	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
Residual Capacity without attachment (Industrial load chart)	kg	1950	1900	1800	1700	1600	1400	1300	1100
Residual Capacity with integrated side shift (Industrial load chart)	kg	1950	1900	1800	1700	1600	1400	1300	1100
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1950	1900	1800	1700	1600	1400	1300	1100
Height at max capacity	mm	4000							
Height at max capacity with integrated sideshift	mm	4000							



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