Technical sheet :

ES 616 5 POINTS





	Technical characteristics	
1.1	Manufacturer	
.2	Model Name	
	Power source	
	Operator type	
	Max. capacity	Q
	Load center of gravity	С
	Distance from Load backrest to center of rear axle	х
	Wheelbase	у
	Weight	
	Service weight	
	Weight on front axle (laden) / rear axle (laden)	
	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
	Tires type	
	Number of load wheels / Size of load wheels	
	Number of stabilizer wheels / Size of the stabilizer wheels	
	Number of front wheels / rear wheels	
2	Number of drive wheels / Size of drive wheels	
	Front wheel gauge	b10
	Rear wheel gauge	b11
	Dimensions	
	Fork height in low position	h13
	Overall length	11
	Length to face of forks	12
	Overall width	b1
	Forks section / width / length	s / e / l
	Fork carriage width	b3
	Ground clearance at centre of wheelbase	m2
	Aisle Width for pallets 1000 x 1200 crossways	Ast
Ļ	Aisle width for 800 x 1200 pallet lengthways	Ast
5	Turning radius	Wa
	Height tiller min. / max.	h14 / h14
	Performances	
1	Travel speed (laden / unladen)	
	Lifting speed (laden / unladen)	
	Lowering speed (laden / unladen)	
	Service brake	
	Engine	
I	Drive motor rating S2 60 min	
	Lift motor rating at S3 15%	
3	Battery according to DIN 43531/35/36 A, B, C	
4	Battery voltage / capacity	
	Battery weight (+/- 5%)	
	Miscellaneous	
1	Type of drive control	
	Sound level at the driver's ear according to DIN 12 053	

5 PUIN	
	Metric
	Manitou
	ES 616 (5 pts)
	Electrical
	Pedestrian
Q	1600 kg
c	600 mm
x	687 mm
y	1272 mm
,	
	1225 kg
	820 kg / 2005 kg
	795 kg / 430 kg
	Polyurethane
	4 / 82 x 68
	2 / 120 x 54
	3/4
	1/230 x 70
b10	558 mm
b11	380 mm
5.1	
h13	85 mm
11	1910 mm
12	761 mm
b1	800 mm
s/e/l	60 mm / 185 mm / 1150 mm
b3	700 mm
m2	30 mm
Ast	2286 mm
Ast	2325 mm
Wa	1476 mm
h14 / h14	750 mm / 1250 mm
	6 km/h / 6 km/h
	0.18 m/s / 0.30 m/s
	0.27 m/s / 0.22 m/s
	Electro magnetic
	1.50 kW
	3 kW
	DIN 43535-B
	24 V / 250 Ah
	220 kg
	AC
	65 dB

Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
h1 - Mast lowered height	mm	1930	2180
h2 - Mast free lift	mm	1505	1755
h3 - Mast lifting height	mm	1505	1755
h4 - Mast extended height	mm	1944	2194
Residual capacity at max height	kg	1600	1600

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1930	2180	2380
h3 - Mast lifting height	mm	2935	3435	3835
h4 - Mast extended height	mm	3374	3874	4274
Residual capacity at max height	kg	1100	850	550

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1930	2180
h2 - Mast free lift	mm	1505	1755
h3 - Mast lifting height	mm	2930	3430
h4 - Mast extended height	mm	3369	3869
Residual capacity at max height	kg	1100	850

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	mm	1889
h2 - Mast free lift	mm	1465
h3 - Mast lifting height	mm	4245
h4 - Mast extended height	mm	4701
Residual capacity at max height	kg	400



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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