Technical sheet :

## ES 616 5 POINTS





	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	(
1.6	Load center of gravity	(
1.8	Distance from Load backrest to center of rear axle	c c c c c c c c c c c c c c c c c c c
1.9	Wheelbase	1
	Weight	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
3.1	Tires type	
3.3	Number of load wheels / Size of load wheels	
3.4	Number of stabilizer wheels / Size of the stabilizer wheels	
3.5	Number of front wheels / rear wheels	
.5.2	Number of drive wheels / Size of drive wheels	
3.6	Front wheel gauge	b
3.7	Rear wheel gauge	b
	Dimensions	
.15	Fork height in low position	h
.19	Overall length	1
.20	Length to face of forks	I
.21	Overall width	b
.22	Forks section / width / length	s /
.24	Fork carriage width	b
1.32	Ground clearance at centre of wheelbase	n
.33	Aisle Width for pallets 1000 x 1200 crossways	А
1.34	Aisle width for 800 x 1200 pallet lengthways	А
1.35	Turning radius	٧
4.9	Height tiller min. / max.	h14.
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
.10	Service brake	
	Engine	
6.1	Drive motor rating S2 60 min	
6.2	Lift motor rating at S3 15%	
6.3	Battery according to DIN 43531/35/36 A, B, C	
6.4	Battery voltage / capacity	
6.5	Battery weight (+/- 5%)	
	Miscellaneous	
8.1	Type of drive control	
8.4	Sound level at the driver's ear according to DIN 12 053	

 Created off Adgust 50, 2025 at 9.52 T M OTO
Metric
Manitou
ES 616 5 points
Electrical - Lead
Pedestrian
1600 kg
600 mm
687 mm
1272 mm
1005 km
1225 kg
820 kg / 2005 kg 795 kg / 430 kg
/ 75 kg / 450 kg
Polyurethane
4 / 82 x 68
2 / 120 x 54
3 / 4
1/230 x 70
558 mm
380 mm
85 mm
1910 mm
761 mm 800 mm
60 mm / 185 mm / 1150 mm
700 mm
30 mm
2286 mm
2325 mm
1476 mm
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



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