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
1.9	Wheelbase
	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
3.5.2	Number of drive wheels / Size of drive wheels
3.6	Front wheel gauge
3.7	Rear wheel gauge
	Dimensions
l.15	Fork height in low position
4.19	Overall length
4.20	Length to face of forks
.21	Overall width
4.22	Forks section / width / length
1.24	Fork carriage width
4.32	Ground clearance at centre of wheelbase
4.33	Aisle Width for pallets 1000 x 1200 crossways
4.34	Aisle width for 800 x 1200 pallet lengthways
4.35	Tuming radius
4.9	Height tiller min. / max.
	Performances
5.1	Travel speed (laden / unladen)
5.2	Lifting speed (laden / unladen)
5.3	Lowering speed (laden / unladen)
5.3 5.10	Service brake
J. TU	
6 1	Engine
6.1	Drive motor rating S2 60 min
5.2	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

	Metric
	Manitou
	ES 616 (5 pts)
	Electrical
	Pedestrian
Q	1600 kg
С	600 mm
x	687 mm
у	1250 mm
	1090 kg
	1090 kg 1064 kg / 1620 kg
	851 kg / 240 kg
	651 kg / 240 kg
	Bandage
	2 / 140x60
	1 / 140x60
	3 / 4
	1/230x70
b10	529 mm
b11	380 mm
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 2464 mm
Ast Ast	2464 mm 2438 mm
Wa	1588 mm
h14 / h14	750 mm / 1250 mm
11147 1114	730 mm / 1230 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 / 180 Ah
	189 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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