Technical sheet :

ES 616 5 POINTS





Manitou ES 616 (5 pts) Electrical Pedestrian

> 1600 kg 600 mm

687 mm 1250 mm

1090 kg 1064 kg / 1620 kg 851 kg / 240 kg Bandage 2/140x60 1/140x60 3/4 1/230x70

529 mm

380 mm

85 mm

1910 mm

761 mm

800 mm

60 mm / 185 mm / 1150 mm

700 mm

30 mm

2464 mm

2438 mm

1588 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 / 180 Ah 189 kg AC 65 dB

	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)
2.10	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
3.7	Rear wheel gauge
	Dimensions
15	Fork height in low position
.19	Overall length
.20	Length to face of forks
.20	Overall width
.22	Forks section / width / length
24	Fork carriage width
32	Ground clearance at centre of wheelbase
.33	Aisle Width for pallets 1000 x 1200 crossways
.34	Aisle width for 800 x 1200 pallet lengthways
.35	Tuming radius
4.9	Height tiller min. / max.
	Performances
5.1	Travel speed (laden / unladen)
.2	Lifting speed (laden / unladen)
5.3	Lowering speed (laden / unladen)
5.5 5.10	Service brake
5.1	Drive motor rating S2 60 min
.1	Lift motor rating at S3 15%
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6.3 6.4	Battery according to DIN 43531/35/36 A, B, C
6.4 6 F	Battery voltage / capacity
6.5	Battery weight (+/- 5%)
0.1	Miscellaneous
8.1	Type of drive control
8.4	Sound level at the driver's ear according to DIN 12 053

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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