Technical sheet :







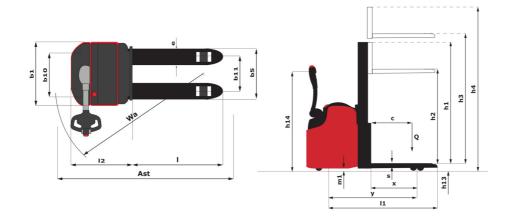
	Technical characteristics
	Manufacturer
	Model Name
	Power source
	Operator type
	Max. capacity
	Load center of gravity
	Distance from Load backrest to center of rear axle
	Wheelbase
	Weight
	Service weight
	Weight on front axle (laden) / rear axle (laden)
	Weight on front axle (Unladen) / rear axle (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
	Rear wheel gauge
	Dimensions
	Fork height in low position
)	Overall length
	Length to face of forks
)	Overall width
	Forks section / width / length
<u>2</u> L	Fork carriage width
2	Ground clearance at centre of wheelbase
-	Aisle Width for pallets 1000 x 1200 crossways
, L	Aisle width for 800 x 1200 pallet lengthways
	Tuming radius
j	Height tiller min. / max.
	Performances
	Travel speed (laden / unladen)
	Lifting speed (laden / unladen)
	Lowering speed (laden / unladen)
	Max Gradeability (laden / unladen)
	Service brake
	Engine
	-
	Drive motor rating S2 60 min
	Lift motor rating at \$3 15%
	Battery according to DIN 43531/35/36 A, B, C
	Battery voltage / capacity
_	Battery weight (+/- 5%)
	Miscellaneous
	Type of drive control
	Sound level at the driver's ear according to DIN 12 053

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E

	Metric
	Manitou
	ES 614
	Electrical
	Pedestrian
Q	1400 kg
с	600 mm
x	687 mm
у	1250 mm
	1092 kg
	1037 kg / 1453 kg
	851 kg / 240 kg
	Bandage
	2 / 82x68
	1 / 140x60
	2 / 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
Ast	2464 mm
Ast	2438 mm
Wa	1588 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
	7 % / 10 %
	Electro magnetic
	1.50 kW
	3 kW
	DIN 43535-B
	24 V / 180 Ah
	189 kg
	AC
	65 dB

## ES 614 - Dimensional drawing



## 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	1400	1400

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	1350	1100	900

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	1350	1100

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
h1 - Mast lowered height	mm	1889	2049	2300
h2 - Mast free lift	mm	1465	1625	1875
h3 - Mast lifting height	mm	4245	4725	5455
h4 - Mast extended height	mm	4701	5181	5880
Residual capacity at max height	kg	700	550	500



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