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	
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	
Fork carriage width	
Ground clearance below mast	
Ground clearance at centre of wheelbase	
Aisle Width for pallets 1000 x 1200 crossways	
Aisle width for 800 x 1200 pallet lengthways	
Turning radius	
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 S3 15%	
Battery voltage / capacity	
Battery weight (+/- 5%)	
Miscellaneous	
Type of drive control	

ES 41.	Created on August 30, 2025 at 10:01 PM UTC
	Metric
	Manitou
	ES 412
	Electrical - Lead
	Pedestrian
Q	1200 kg
С	600 mm
х	683 mm
у	1245 mm
	874 kg
	729 kg / 1342 kg
	612 kg / 262 kg
	Polyurethane
	2 / 82x70
	1 / 125x50
	2 / 2
	1/230x70
b10	517 mm
b11	380 mm
h13	85 mm
11	1870 mm
12	720 mm
b1	800 mm
s / e / l	60 mm / 180 mm / 1150 mm
b3	680 mm
m1	35 mm
m2	20 mm
Ast	2581 mm
Ast	2490 mm
Wa	1400 mm
	6 km/h / 6 km/h
	0.12 m/s / 0.24 m/s
	0.30 m/s / 0.20 m/s
	8 % / 10 %
	Electro magnetic
	1.20 kW

3 kW 24 V / 180 Ah 160 kg

> AC 65 dB

Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
h1 - Mast lowered height	mm	1940	2190	2390
h3 - Mast lifting height	mm	2940	3440	3840
h4 - Mast extended height	mm	3365	3865	4265
Residual capacity at max height	kg	1200	1000	800

Free Lift Duplex (FLD)		FLD 29	FLD 34
h1 - Mast lowered height	mm	1940	2190
h2 - Mast free lift	mm	1510	1760
h3 - Mast lifting height	mm	2935	3435
h4 - Mast extended height	mm	3365	3865
Residual capacity at max height	kg	1200	1000

Free Lift Triplex (FLT)		FLT 42
h1 - Mast lowered height	mm	1965
h2 - Mast free lift	mm	1470
h3 - Mast lifting height	mm	4240
h4 - Mast extended height	mm	4735
Residual capacity at max height	kg	650



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