Technical sheet :





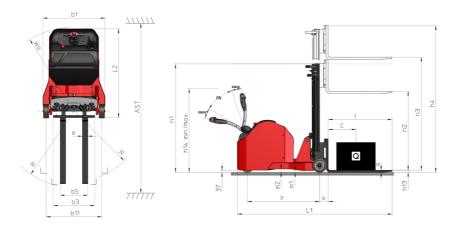


Rear wheel gauge Dimensions		
Model Name Power source Operator type Max. capacity Load center of gravity Distance from Load backrest to center of rear axle Wheelbase Velight Service weight Weight on front axle (laden) / rear axle (laden) Wheelbase Thes type Number of font wheels / Size of load wheels Number of font wheels / rear wheels Number of font wheels / size of drive wheels Rear wheel gauge Dimensions Fork height in form box of thise wheels Number of fonk section / width / length Fork carriage width Ground clearance below mast Ground clearance at centre of wheelbase Aisle width for 800 x 1200 pallet lengthways Tuming radius Height tiller min. / max. Performance3 Travel speed (laden / unladen) Lufting speed (laden / unladen) Kardeability (laden / unladen) Luft motor rating 32 60 min Lift motor rating 32 60 min <td></td> <td>Technical characteristics</td>		Technical characteristics
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 front wheels / rear wheels Number of front wheels / rear wheels Number of front wheels / rear wheels Number of fortive weight Dimensions Fork height in low position Overall length Length to face of forks Overall width Fork ascetion / width / length Fork cariage width Ground clearance below mast Ground clearance below mast Ground clearance below mast Ground clearance below mast Height tiller min. / max. Performances Travel speed (laden / unladen) Liffing speed (laden / unladen) Liffing speed (laden / unladen) Liffin motor rating 32 31/35/36 A, B, C	1.1	Manufacturer
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) Wheels Tires type Number of load wheels / Size of load wheels Number of load wheels / Size of drive wheels Number of fort wheels / size of drive wheels Rear wheel gauge Dimensions Fork height in low position Overall length Length to face of forks Overall width Fork section / width / length Fork carriage width Ground clearance below mast Ground clearance to of wheelbase Aisle Width for pallets 1000 x 1200 crossways Aisle width of allo x 1200 pallet lengthways Turning radius Height Uler min. / max. Performances Tavel speed (laden / unladen) Lift motor rating S2 60 min	1.2	Model Name
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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 (lunaden) / rear axle (lunaden) Wheels Tires type Number of load wheels / Size of load wheels Number of front wheels / rear wheels Number of front wheels / Size of drive wheels Rear wheel gauge Dimensions Fork height in low position Overall length Length to face of forks Overall width Fork section / width / length Fork cariage width Ground clearance at centre of wheelbase Aisle Width for pallets 1000 x 1200 crossways Aisle Width for 300 x 1200 pallet lengthways Turning radius Height tiller min. / max. Performances Travel speed (laden / unladen) Max Gradeability (laden / unladen) Lift motor rating 32 50 min Lift motor rating 32 50 min Lift motor rating 32 50 min	1.5	Max. capacity
Wheelbase Veight Service weight Weight on front axle (laden) / rear axle (laden) Weight on front axle (Unladen) / rear axle (Unladen) Wheels Tires type Number of front wheels / Size of load wheels Number of front wheels / Size of load wheels Number of front wheels / Size of drive wheels Rear wheel gauge Dimensions Fork height in low position Overall length Length to face of forks Overall width Fork section / width / length Fork section / width / length Fork cariage width Ground clearance at centre of wheelbase Aisle Width for s00 x 1200 crossways Aisle width for 800 x 1200 pallet lengthways Turning radius Height tiller min. / max. Performances Travel speed (laden / unladen) Lowering speed (laden / unladen) Max Gradeability (laden / unladen) Max Gradeability (laden / unladen) Service brake Engine Drive motor rating S2 60 min Lift motor rating S2 60 min Lift motor rating at S3 15% </td <td>1.6</td> <td>Load center of gravity</td>	1.6	Load center of gravity
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Wheels Tires type Number of load wheels / Size of load wheels Number of front wheels / rear wheels Number of drive wheels / Size of drive wheels Rear wheel gauge Dimensions Fork height in low position Overall length Length to face of forks Overall width Fork section / width / length Fork carriage width Ground clearance below mast Ground clearance to entre of wheelbase Aisle Width for pallets 1000 x 1200 crossways Aisle width for 800 x 1200 pallet lengthways Turning radius Height tiller min. / max. Performances Travel speed (laden / unladen) Lifting speed (laden / unladen) Lifting speed (laden / unladen) Service brake Engine Drive motor rating S2 60 min Lift motor rating at S3 15%	2.3	
Tires type Number of load wheels / Size of load wheels Number of front wheels / rear wheels Number of drive wheels / Size of drive wheels Rear wheel gauge Dimensions Fork height in low position Overall length Length to face of forks Overall width Fork 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 Height tiller min. / max. Performances Travel speed (laden / unladen) Lifting speed (laden / unladen) Max Gradeability (laden / unladen) Service brake Engine Drive motor rating S2 60 min Lift motor rating S2 50 min Lift motor rating at S3 15% Battery vaccoding to DIN 43531/35/36 A, B, C Battery weight (+/- 5%)		
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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 Height tiller min. / max. Performances Travel speed (laden / unladen) Lifting speed (laden / unladen) Kas Gradeability (laden / unladen) Service brake Engine Drive motor rating \$2 60 min Lift motor rating at \$3 15% Battery according to DIN 43531/35/36 A, B, C Battery weight (+/- 5%)	.19	
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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 Height tiller min. / max. Performances Travel speed (laden / unladen) Lifting speed (laden / unladen) Lowering speed (laden / unladen) Service brake Engine Drive motor rating \$2 60 min Lift motor rating at \$3 15% Battery according to DIN 43531/35/36 A, B, C Battery weight (+/- 5%)	.21	
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 Height tiller min. / max. Performances Travel speed (laden / unladen) Lifting speed (laden / unladen) Lowering speed (laden / unladen) Kardaeability (laden / unladen) Service brake Engine Drive motor rating \$2 60 min Lift motor rating at \$3 15% Battery according to DIN 43531/35/36 A, B, C Battery weight (+/- 5%)	.22	
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 Tuming radius Height tiller min. / max. Performances Travel speed (laden / unladen) Lifting speed (laden / unladen) Lowering speed (laden / unladen) Service brake Engine Drive motor rating \$2 60 min Lift motor rating at \$3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	.24	
Ground clearance at centre of wheelbase Aisle Width for pallets 1000 x 1200 crossways Aisle width for 800 x 1200 pallet lengthways Tuming radius Height tiller min. / max. Performances Travel speed (laden / unladen) Lifting speed (laden / unladen) Lowering speed (laden / unladen) Service brake Engine Drive motor rating \$2 60 min Lift motor rating at \$3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	.31	
Aisle Width for pallets 1000 x 1200 crossways Aisle width for 800 x 1200 pallet lengthways Tuming radius 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 \$2 60 min Lift motor rating at \$3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	.32	
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Tuming radius 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 \$2 60 min Lift motor rating at \$3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	.34	
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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 according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	.35	-
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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 according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	5 1	
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Max Gradeability (laden / unladen) Service brake Engine Drive motor rating S2 60 min Lift motor rating at S3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	5.2	
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Engine Drive motor rating S2 60 min Lift motor rating at S3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	5.8	
Drive motor rating S2 60 min Lift motor rating at S3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	i.10	
Lift motor rating at S3 15% Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)		· · ·
Battery according to DIN 43531/35/36 A, B, C Battery voltage / capacity Battery weight (+/- 5%)	6.1	
Battery voltage / capacity Battery weight (+/- 5%)	b.2	
Battery weight (+/- 5%)	6.3	
	6.4	
Miscellaneous	6.5	
		Miscellaneous
Type of drive control	8.1	Type of drive control
Sound level at the driver's ear according to DIN 12 053	8.4	Sound level at the driver's ear according to DIN 12 053

ES-C 713 Created on July 31, 2025 at 2:40 PM
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	Metric
	Manitou
	ES-C 713
	Electrical
	Pedestrian
2	1300 kg
C	500 mm
ĸ	157 mm
y	1200 mm
	2200 kg
	450 kg / 3050 kg
	1150 kg / 1050 kg
	Polyurethane
	2 / 250x100
	1/2
	1/254x100
11	1003 mm
13	45 mm
1	2690 mm
2	1540 mm
1	1120 mm
e/l	40 mm / 100 mm / 1150 mm
3	750 mm
11	31 mm
12	62 mm
st	3028 mm
st /a	3136 mm 1560 mm
/ h14	1005 mm / 1405 mm
/ 1114	1005 1111 / 1405 1111
	6 km/h / 6 km/h
	0.11 m/s / 0.20 m/s
	0.22 m/s / 0.21 m/s
	5 % / 8 %
	Electro magnetic
	2 kW
	4 kW
	DIN 43535-B
	24 V / 315 Ah
	275 kg
	Ky
	DC
	65 dB
	20 00

ES-C 713 - Dimensional drawing



Characteristics of masts and residual capacities

Central Cylinder Simplex (CCS)		CCS 15	CCS 17
a - Mast/fork carriage tilt, forward	٥	4	4
β - Mast/fork carriage tilt, backward	٥	6	6
h1 - Mast lowered height	mm	1955	2205
h2 - Mast free lift	mm	1465	1715
h3 - Mast lifting height	mm	1465	1715
h4 - Mast extended height	mm	2030	2280
Residual capacity at max height	kg	1300	1300

Full Visibility Duplex (FVD)		FVD 29	FVD 34	FVD 38
α - Mast/fork carriage tilt, forward	۰	3	3	3
h1 - Mast lowered height	mm	1955	2205	2405
h3 - Mast lifting height	mm	2890	3390	3790
h4 - Mast extended height	mm	3455	3955	4355
Residual capacity at max height	kg	1300	1300	1100

Free Lift Duplex (FLD)		FLD 29	FLD 34
a - Mast/fork carriage tilt, forward	۰	4	4
β - Mast/fork carriage tilt, backward	٥	6	6
h1 - Mast lowered height	mm	1955	2205
h2 - Mast free lift	mm	1465	1715
h3 - Mast lifting height	mm	2890	3390
h4 - Mast extended height	mm	3455	3955
Residual capacity at max height	kg	1300	1300

Free Lift Triplex (FLT)		FLT 42	FLT 47	FLT 54
α - Mast/fork carriage tilt, forward	۰	4	4	4
β - Mast/fork carriage tilt, backward	۰	6	6	6
h1 - Mast lowered height	mm	1915	2075	2315
h2 - Mast free lift	mm	1425	1585	1835
h3 - Mast lifting height	mm	4205	4685	5415
h4 - Mast extended height	mm	4770	5250	5980
Residual capacity at max height	kg	900	700	500



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