
Technical sheet

ER 12

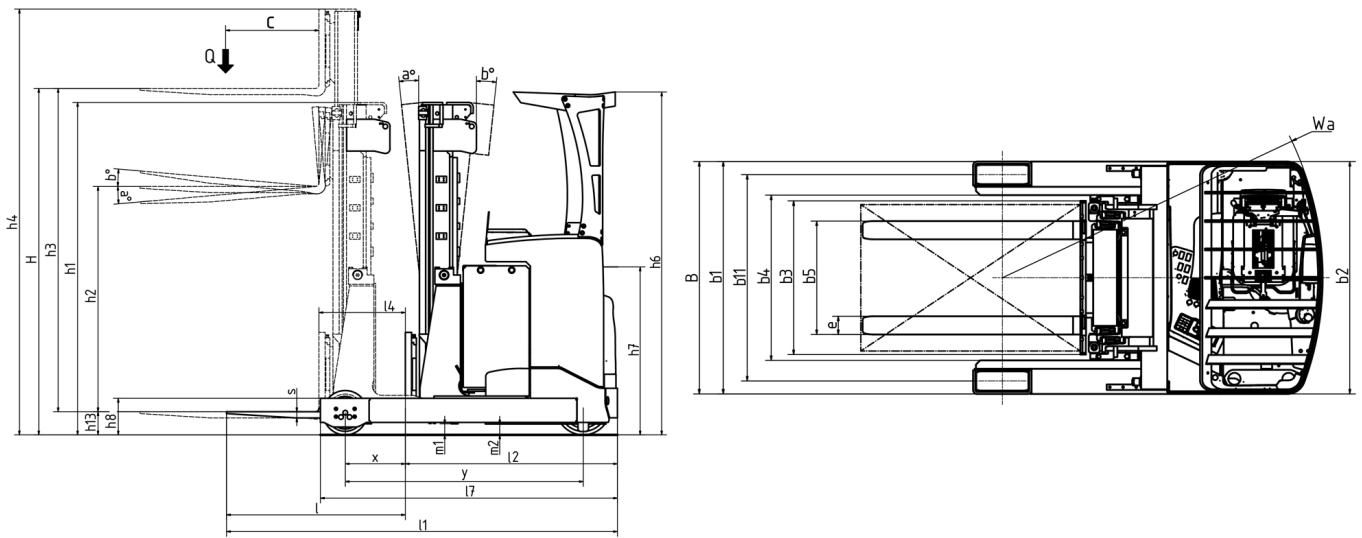
Warehousing Equipment



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics	Metric
1.1	Manufacturer	Manitou
1.2	Model	ER 12
1.3	Type of traction	Electric
1.4	Type of operation	Seated
1.5	Q - Rated capacity	1200 kg
1.6	c - Center of gravity of load	600 mm
1.9	y - Wheelbase	1378 mm
Weight		
2.1	Weight of truck in working order	2780 kg
2.3	Unladen weight on front/rear axle	1644 kg / 1046 kg
Wheels		
3.1	Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L)	Cellular solid cushion
3.2	Size of front wheels	355 x 155
3.3	Size of rear wheels	220 x 85
3.5	Number of front wheels (x)	1x / 2
3.6	b10 - Front track	0 mm
3.7	b11 - Rear track	995 mm
Dimensions		
4.1	α / β - Front/Rear mast angle	1° / 3°
4.2	h1 - Height (mast lowered)	2440 mm
4.4	h3 - Lift height (Duplex mast)	5700 mm
4.5	h4 - Height of extended mast	6280 mm
4.7	h6 - Height of driver protection (cab)	2200 mm
4.8	h7 - Height of seat	1080 mm
4.19	l1 - Total length	2413 mm
4.20	l2 - Length to fork heel	1263 mm
4.21	Overall length - Single/twinned wheels	1120 mm / -
4.22	e / s / l - Fork dimensions	40x 100 x 1150
4.23	Fork carriage to DIN 15173 A/B	2A
4.24	b3 - Width of fork clamp	830 mm
4.31	m1 - Ground clearance under mast	70 mm
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	2750 mm
4.35	Wa - Turning radius	1598 mm
Performances		
5.1	Speed of travel laden / unladen	12.30 km/h / 12.50 km/h
5.2	Lifting speed laden / unladen	0.50 m/s / 0.65 m/s
5.3	Lowering speed laden / unladen	0.58 m/s / 0.55 m/s
5.7	Maximum ramp laden / unladen	7.50 % / 11.10 %
5.10	Service brake	Electromagnetic
Engine		
6.1	Drive motor power rating	5.90 kW
6.2	Lift motor power	11 kW
6.4	Battery voltage/capacity	48 V / 465 Ah
Miscellaneous		
8.1	Type of drive unit	Electronic
8.2	Working hydraulic pressure for attachments	150 bar
8.3	Oil flow rate for attachments	25 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator	57.40 dB(A)

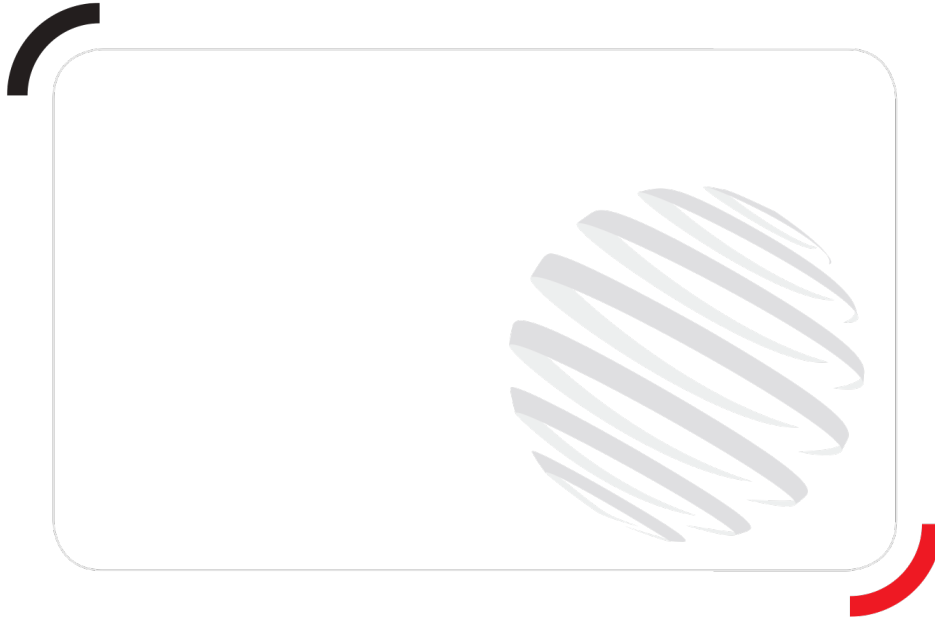
Dimensional drawings



Characteristics of masts and residual capacities

Duplex Total Visibility		DVT32	DVT36	DVT38	DVT42	DVT45	DVT48
Lift height - h3	mm	3200	3600	3800	4200	4500	4800
Height (mast lowered) - h1	mm	2170	2370	2470	2670	2820	2970
Free lift - h2	mm	125	125	125	125	125	125
Height of extended mast - h4	mm	3780	4180	4380	4780	5080	5380
Residual capacity with integrated TLD	kg	1200	1200	1200	1200	1200	1200
Forward/backward mast tilt angle	°	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4

Triplex Free Lift		TLL48	TLL54	TLL57	TLL63	TLL68
Lift height	mm	4800	5400	5700	6300	6800
Height (mast lowered)	mm	2140	2340	2440	2640	2790
Free lift	mm	1600	1800	1900	2100	2250
Height of extended mast	mm	5380	5980	6280	6880	7330
Residual capacity with integrated TLD	kg	1200	1200	1200	1000	700
Forward/backward mast tilt angle	°	1 / 3	1 / 3	1 / 3	1 / 3	1 / 3



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