Technical sheet

MI 30 G

Masted Forklift Trucks

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	Technical characteristics	Metric	Imperial
1.1	Manufacturer	Manitou	Manitou
1.2	Model	MI 30 G	MI 30 G
1.3	Type of traction	LPG gas	LPG gas
1.4	Type of operation	Seated	Seated
1.5	Q - Rated capacity	3000 kg	6600 lbs
1.6	c - Center of gravity of load	500 mm	1 ft 8 in
1.8	x - Distance from the load bearing surface to the centre of the front axle	480 mm	1 ft 7 in
1.9	y - Wheelbase	11700 mm	5 ft 7 in
	Weight		
2.1	Weight of truck in working order	4490 kg	9878 lbs
2.2	Laden weight on front/rear axle	6560 kg / 930 kg	14432 lbs / 2046 lbs
2.3	Unladen weight on front/rear axle	1805 kg / 2685 kg	3971 lbs / 5907 lbs
	Wheels		
3.1	Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L)	Solid cushion	Solid cushion
3.5	Number of front wheels (x	2x / 2	2x / 2
3.6	b10 - Front track	1.01 mm	3 in
3.7	b11 - Rear track	0.98 mm	3 in
	Dimensions		
4.1	α / β - Front/Rear mast angle	6 ° / 12 °	6 ° / 12 °
4.2	h1 - Height (mast lowered)	2200 mm	7 ft 3 in
4.3	h2 - Free lift	150 mm	6 in
4.4	h3 - Lift height (Duplex mast)	3300 mm	10 ft 10 in
4.5	h4 - Height of extended mast	4450 mm	14 ft 7 in
4.7	h6 - Height of driver protection (cab)	2130 mm	6 ft 12 in
4.8	h7 - Height of seat	1210 mm	3 ft 12 in
4.12	h10 - Height of towing coupling	355 mm	1 ft 2 in
4.19	l1 - Total length	3870 mm	12 ft 8 in
4.20	l2 - Length to fork heel	2720 mm	7 ft 3 in
4.21	b1 - Overall width - Singe/twinned wheels	1230 mm / 1725 mm	4 ft / 5 ft 8 in
4.22	e / s / l - Fork dimensions	1150 x 122 x 45	3.77 x 0.4 x 0.15
4.23	Fork carriage to DIN 15173 A/B	FEM 3A	FEM 3A
4.24	b3 - Width of fork clamp	1100 mm	3 ft 7 in
4.31	m1 - Ground clearance under mast	130 mm	5 in
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	4140 mm	13 ft 7 in
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	4340 mm	14 ft 3 in
4.35	Wa - Turning radius	2460 mm	8 ft 1 in
4.36	b13 - Inner turning radius	160 mm	6 in
	Performances		
5.1	Speed of travel laden / unladen	18 km/h / 18.50 km/h	11.16 mph /
5.2	Lifting speed laden / unladen	0.45 m/s / 0.55 m/s	1.47 ft/s / 1.80 ft/s
5.3	Lowering speed laden / unladen	0.48 m/s / 0.50 m/s	1.57 ft/s / 1.64 ft/s
5.5	Nominal pulling force laden / unladen	1740 daN / 1080 daN	/
5.7	Maximum ramp laden / unladen	20 % / -	20 % / -
5.10	Service brake	Hydraulic	Hydraulic
	Engine		
7.1	Engine manufacturer / Type	Nissan / 3B	Nissan / 3B
7.2	Useful power	35 kW	35 kW
7.4	Number of pistons / Capacity	4 / 2488 cm³	4 /
7.5	Fuel consumption according to VDI cycle	6.30 l/h	-
	Miscellaneous		
8.2	Working hydraulic pressure for attachments	160 bar	-
8.3	Oil flow rate for attachments	72 l/min	-
8.4	Measured/guaranteed mean noise level at the ear of the operator	80 dB(A)	80 dB(A)

Dimensional drawings

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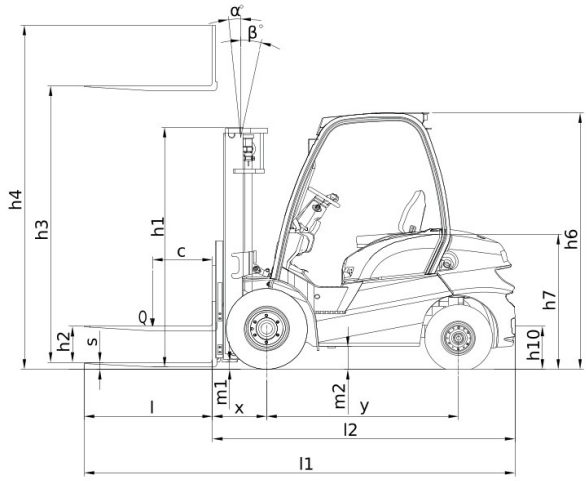

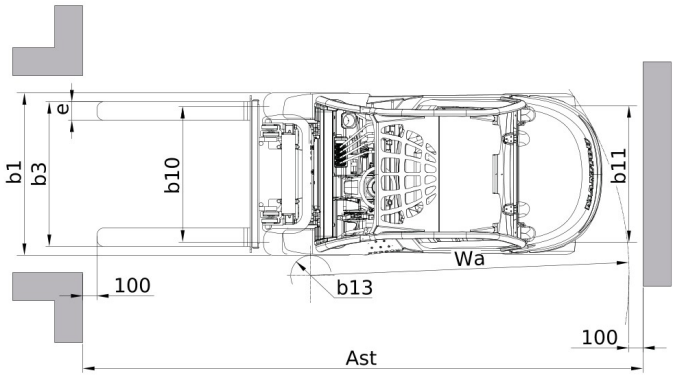

Characteristics of masts and residual capacities

Duplex Total Visibility		FVD 33	FVD 37	FVD 40
Lift height	mm	3300	3700	4000
Height (mast lowered)	mm	2200	2450	2650
Free lift	mm	145	145	145
Height of extended mast	mm	4035	4435	4735
Residual Capacity without attachment (Industrial load chart)	kg	3000	3000	3000
Residual Capacity with integrated side shift (Industrial load chart)	kg	3000	3000	3000
Forward/backward mast tilt angle	°	6 / 12	6 / 12	6 / 12

Duplex Free Lift		FLD 33	FLD 37	FLD 40
Lift height	mm	3300	3700	4000
Height (mast lowered)	mm	2230	2430	2580
Free lift	mm	1475	1675	1825
Height of extended mast	mm	4055	4455	4755
Residual Capacity without attachment (Industrial load chart)	kg	3000	3000	3000
Residual Capacity with integrated side shift (Industrial load chart)	kg	3000	3000	3000
Forward/backward mast tilt angle	°	6 / 12	6 / 12	6 / 12

Triplex Free Lift		FLD 43	FLD 45	FLD 47	FLD 48	FLD 50	FLD 55	FLD 60	FLD 65
Lift height	mm	4300	4500	4700	4800	5000	5500	6000	6500
Height (mast lowered)	mm	2115	2165	2215	2265	2315	2515	2765	2915
Free lift	mm	1360	1410	1460	1510	1560	1760	2010	2160
Height of extended mast	mm	5055	5305	5455	5555	5755	6255	6805	7260
Residual Capacity without attachment (Industrial load chart)	kg	2950	2900	2800	2800	2500	1850	1400	1300
Residual Capacity with integrated side shift (Industrial load chart)	kg	2850	2800	2700	2700	2400	1750	1300	1250
Forward/backward mast tilt angle	°	6 / 6	6 / 6	6 / 6	6 / 6	6 / 6	3 / 6	3 / 6	

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