

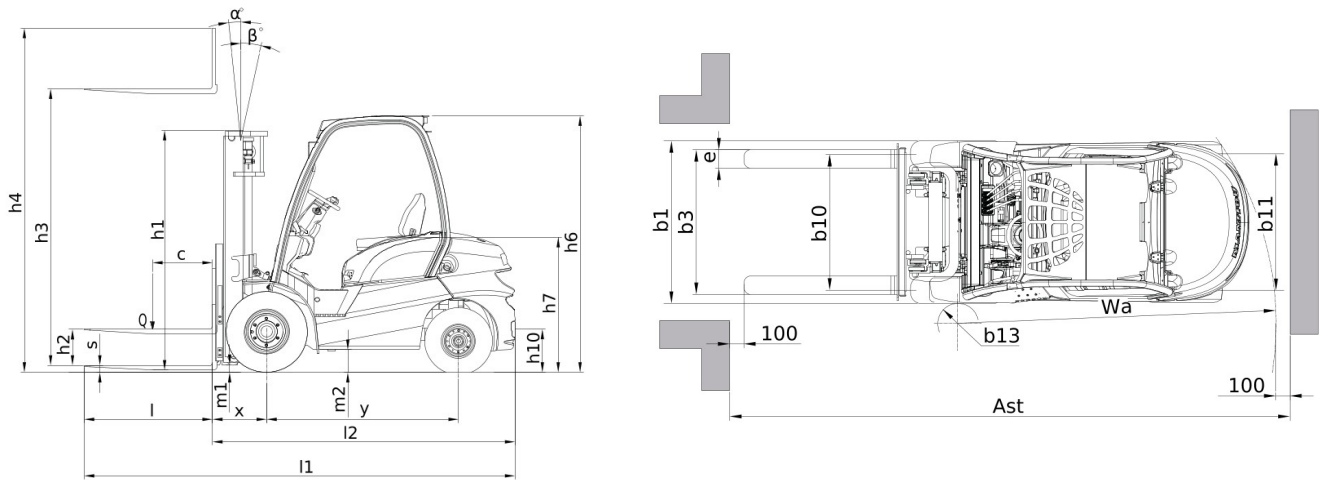
Technical sheet

MI 35 G

Masted Forklift Trucks



	Technical characteristics	Metric
1.1	Manufacturer	Manitou
1.2	Model	MI 35 G
1.3	Type of traction	LPG gas
1.4	Type of operation	Seated
1.5	Q - Rated capacity	3500 kg
1.6	c - Center of gravity of load	500 mm
1.8	x - Distance from the load bearing surface to the centre of the front axle	485 mm
1.9	y - Wheelbase	1700 mm
	Weight	
2.1	Weight of truck in working order	4740 kg
2.2	Laden weight on front/rear axle	7260 kg / 980 kg
2.3	Unladen weight on front/rear axle	1775 kg / 2965 kg
	Wheels	
3.1	Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L)	Solid cushion
3.5	Number of front wheels (x)	2x / 2
3.6	b10 - Front track	1.01 mm
3.7	b11 - Rear track	0.98 mm
	Dimensions	
4.1	α / β - Front/Rear mast angle	6 ° / 12 °
4.2	h1 - Height (mast lowered)	2315 mm
4.3	h2 - Free lift	150 mm
4.4	h3 - Lift height (Duplex mast)	3300 mm
4.5	h4 - Height of extended mast	4450 mm
4.7	h6 - Height of driver protection (cab)	2130 mm
4.8	h7 - Height of seat	1215 mm
4.12	h10 - Height of towing coupling	360 mm
4.19	l1 - Total length	3940 mm
4.20	l2 - Length to fork heel	2790 mm
4.21	b1 - Overall width - Singe/twinned wheels	1230 mm / 1725 mm
4.22	e / s / l - Fork dimensions	1150 x 122 x 50
4.23	Fork carriage to DIN 15173 A/B	FEM 3A
4.24	b3 - Width of fork clamp	1100 mm
4.31	m1 - Ground clearance under mast	130 mm
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	4200 mm
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	4400 mm
4.35	Wa - Turning radius	2510 mm
4.36	b13 - Inner turning radius	160 mm
	Performances	
5.1	Speed of travel laden / unladen	17 km/h / 17.50 km/h
5.2	Lifting speed laden / unladen	0.40 m/s / 0.52 m/s
5.3	Lowering speed laden / unladen	0.47 m/s / 0.38 m/s
5.5	Nominal pulling force laden / unladen	1750 daN / 1100 daN
5.7	Maximum ramp laden / unladen	18 % / 20 %
5.10	Service brake	Hydraulic
	Engine	
7.1	Engine manufacturer / Type	Nissan / 3B
7.2	Useful power	35 kW
7.4	Number of pistons / Capacity	4 / 2488 cm ³
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)

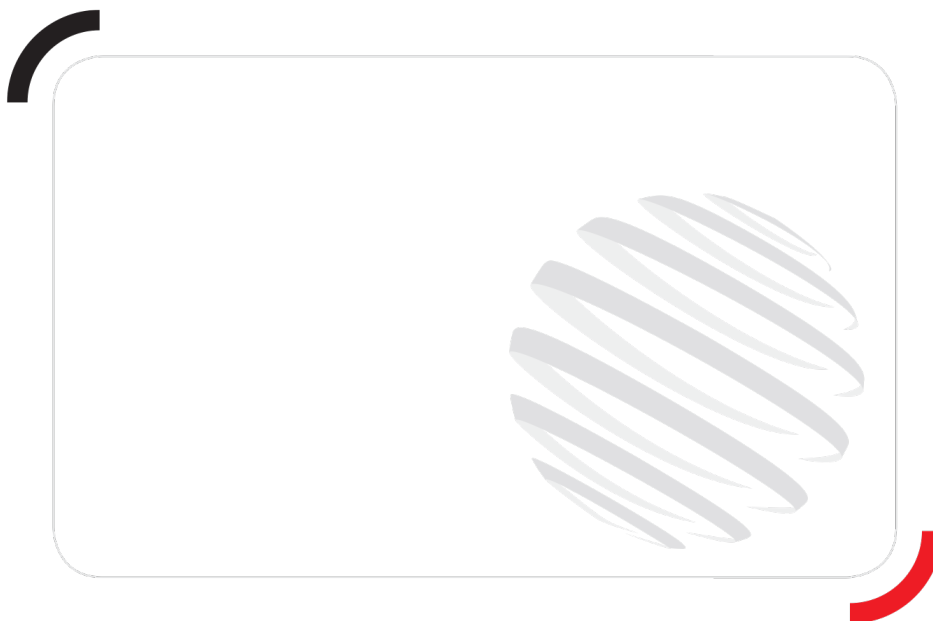


Characteristics of masts and residual capacities

Duplex Total Visibility		FVD 33	FVD 37	FVD 40
Lift height	mm	3300	3700	4000
Height (mast lowered)	mm	2315	2565	2715
Free lift	mm	145	145	145
Height of extended mast	mm	4115	4515	4815
Residual Capacity without attachment (Industrial load chart)	kg	3500	3500	3500
Residual Capacity with integrated side shift (Industrial load chart)	kg	3500	3500	3500
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	2330	2530	2680
Free lift	mm	1500	1700	1850
Height of extended mast	mm	4130	4530	4830
Residual Capacity without attachment (Industrial load chart)	kg	3500	3500	3500
Residual Capacity with integrated side shift (Industrial load chart)	kg	3500	3500	3500
Forward/backward mast tilt angle	°	6 / 12	6 / 12	6 / 12

Triplex Free Lift		FLT 43	FLT 45	FLT 50	FLT 55	FLT 60	FLT 65	FLT 47	FLT 48
Lift height	mm	4300	4500	5000	5500	6000	6500	4700	4800
Height (mast lowered)	mm	2215	2265	2415	2565	2815	2965	2315	2365
Free lift	mm	1385	1435	1585	1735	1985	2135	1485	1535
Height of extended mast	mm	5130	5380	5830	6330	6880	7330	5530	5530
Residual Capacity without attachment (Industrial load chart)	kg	3450	3400	3000	2200	1600	1500	3300	3300
Residual Capacity with integrated side shift (Industrial load chart)	kg	3450	3300	2900	2100	1500	1400	3200	3200
Forward/backward mast tilt angle	°	6 / 6	6 / 6	6 / 6	3 / 6	3 / 6	3 / 6	6 / 6	6 / 6



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