Technical sheet :

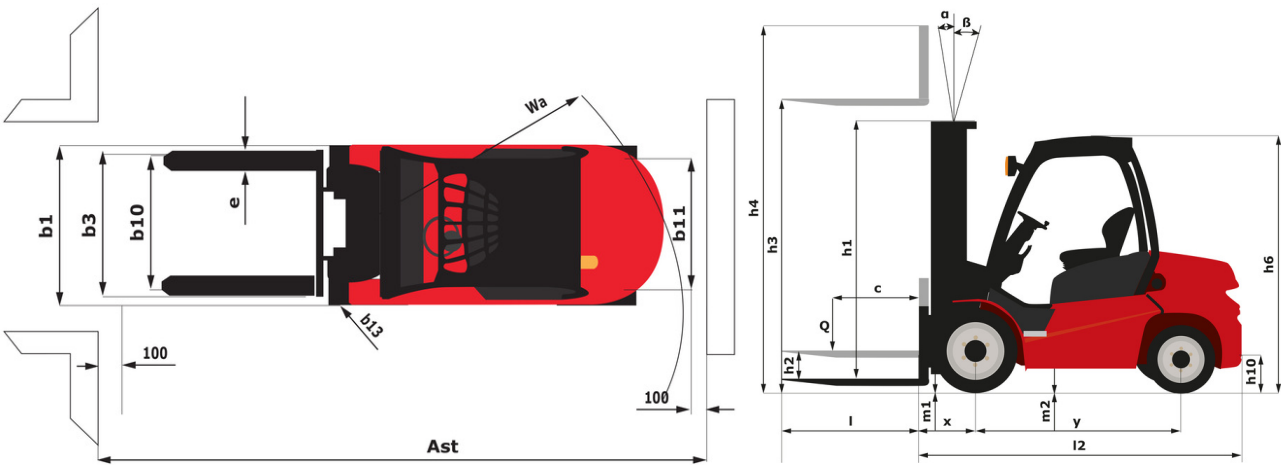
MI 35 G



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		MI 35 G	MI 35 G
1.3	Power source		Lpg	Lpg
1.4	Operator type		Sitting	Sitting
1.5	Max. capacity	Q	3500 kg	7716 lb
1.6	Load center of gravity	c	500 mm	20 in
1.8	Load distance, centre of drive axle to fork	x	485 mm	19 in
1.9	Wheelbase	y	1700 mm	67 in
	Weight			
2.1	Service weight		4740 kg	10450 lb
2.2	Weight on front axle (laden) / rear axle (laden)		7260 kg / 980 kg	16006 lb / 2161 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1775 kg / 2965 kg	3913 lb / 6537 lb
	Wheels			
3.1	Tires type		PPS	PPS
3.2	Dimensions of front wheels		28-9-15 12	28-9-15 12
3.3	Dimensions of rear wheels		6.50-10 10	6.50-10 10
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.5.2	Number of drive wheels		2	2
3.6	Front wheel gauge	b10	1005 mm	40 in
3.7	Rear wheel gauge	b11	975 mm	38 in
	Dimensions			
4.7	Height of overhead guard (cabin)	h6	2130 mm	84 in
4.8	Seat height/stand height	h7	1215 mm	48 in
4.12	Height of towing bar (coupling height)	h10	360 mm	14 in
4.19	Overall length	l1	3935 mm	155 in
4.20	Length to face of forks	l2	2785 mm	110 in
4.21	Overall width	b1	1225 mm	48 in
4.21	Overall width - Single wheels	b1	1225 mm	48 in
4.22	Forks section / width / length	s / e / l	50 mm x 122 mm x 1150 mm	2 in x 5 in x 45 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A	3A
4.24	Fork carriage width	b3	1100 mm	43 in
4.31	Ground clearance below mast	m1	130 mm	5 in
4.32	Ground clearance at centre of wheelbase	m2	200 mm	8 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	4195 mm	165 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4395 mm	173 in
4.35	Turning radius	Wa	2510 mm	99 in
4.36	Internal turning radius (over tyres)	b13	160 mm	6 in
	Performances			
5.1	Travel speed (laden / unladen)		17 km/h-17.50 km/h	11 mph-11 mph
5.2	Lifting speed (laden / unladen)		0.40 m/s-0.52 m/s	1 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		0.47 m/s-0.38 m/s	2 ft/s-1 ft/s
5.5	Drawbar pull (Laden / Unladen)		1750 daN / 1100 daN	1750 daN / 1100 daN
5.7	Gradeability (laden / unladen)		18 % / 20 %	18 % / 20 %
5.10	Service brake		Hydraulic	Hydraulic
	Engine			
6.4	Battery voltage		0 V	0 V
7.1	Engine brand / model		GCT (ex-Nissan) / K25	GCT (ex-Nissan) / K25
7.2	Engine power according to ISO 1585		35 kW	35 kW
7.3	Rated speed		2400 rpm	2400 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2488 cm³	4 - 152 in³
	Miscellaneous			
8.2	Working hydraulic pressure for attachments		160 bar	2321 PSI
8.3	Oil flow rate for attachments		72 l/min	19 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 80 dB	< 80 dB
8.4	Sound level at the driver's ear according to DIN 12 053		80 dB	80 dB

MI 35 G - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 40
Mast/fork carriage tilt, forward	°	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	in (mm)	91.1 (2315)	101 (2565)	106.9 (2715)
h2 - Mast free lift	in (mm)	5.7 (145)	5.7 (145)	5.7 (145)
h3 - Mast lifting height	in (mm)	129.9 (3300)	145.7 (3700)	157.5 (4000)
h4 - Mast extended height	in (mm)	162 (4115)	177.8 (4515)	189.6 (4815)
Residual capacity at max height	lb (kg)	7716 (3500)	7716 (3500)	7716 (3500)
Residual capacity with integrated side shift at max heigth	lb (kg)	7716 (3500)	7716 (3500)	7716 (3500)
Height at max capacity	in (mm)	129.9 (3300)	145.7 (3700)	157.5 (4000)
Height at max capacity with integrated sideshift	in (mm)	129.9 (3300)	145.7 (3700)	157.5 (4000)

Free Lift Duplex (FLD)		FLD 33	FLD 37	FLD 40
Mast/fork carriage tilt, forward	°	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	in (mm)	91.7 (2330)	99.6 (2530)	105.5 (2680)
h2 - Mast free lift	in (mm)	59.1 (1500)	66.9 (1700)	72.8 (1850)
h3 - Mast lifting height	in (mm)	129.9 (3300)	145.7 (3700)	157.5 (4000)
h4 - Mast extended height	in (mm)	162.6 (4130)	178.3 (4530)	190.2 (4830)
Residual capacity at max height	lb (kg)	7716 (3500)	7716 (3500)	7716 (3500)
Residual capacity with integrated side shift at max heigth	lb (kg)	7716 (3500)	7716 (3500)	7716 (3500)
Height at max capacity	in (mm)	129.9 (3300)	145.7 (3700)	157.5 (4000)
Height at max capacity with integrated sideshift	in (mm)	129.9 (3300)	145.7 (3700)	157.5 (4000)

Free Lift Triplex (FLT)		FLT 43	FLT 45	FLT 47	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
Mast/fork carriage tilt, forward	°	6	6	3	3	6	6	6	3
Mast/fork carriage tilt, backward	°	6	6	6	6	6	6	6	6
h1 - Mast lowered height	in (mm)	87.2 (2215)	89.2 (2265)	110.8 (2815)	116.7 (2965)	91.1 (2315)	93.1 (2365)	95.1 (2415)	101 (2565)
h2 - Mast free lift	in (mm)	54.5 (1385)	56.5 (1435)	78.1 (1985)	84.1 (2135)	58.5 (1485)	60.4 (1535)	62.4 (1585)	68.3 (1735)
h3 - Mast lifting height	in (mm)	169.3 (4300)	177.2 (4500)	236.2 (6000)	189 (4800)	196.9 (5000)	216.5 (5500)	236.2 (6000)	255.9 (6500)
h4 - Mast extended height	in (mm)	202 (5130)	211.8 (5380)	270.9 (6880)	288.6 (7330)	217.7 (5530)	221.7 (5630)	229.5 (5830)	249.2 (6330)
Residual capacity at max height	lb (kg)	7606 (3450)	7496 (3400)	7275 (3300)	7275 (3300)	6614 (3000)	4850 (2200)	3527 (1600)	3307 (1500)
Residual capacity with integrated side shift at max heigth	lb (kg)	7606 (3450)	7275 (3300)	7055 (3200)	7055 (3200)	6393 (2900)	4630 (2100)	3307 (1500)	3086 (1400)
Height at max capacity	in (mm)	157.5 (4000)	157.5 (4000)	157.5 (4000)	157.5 (4000)	157.5 (4000)	157.5 (4000)	157.5 (4000)	157.5 (4000)
Height at max capacity with integrated sideshift	in (mm)	157.5 (4000)	157.5 (4000)			157.5 (4000)			

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