Technical sheet:





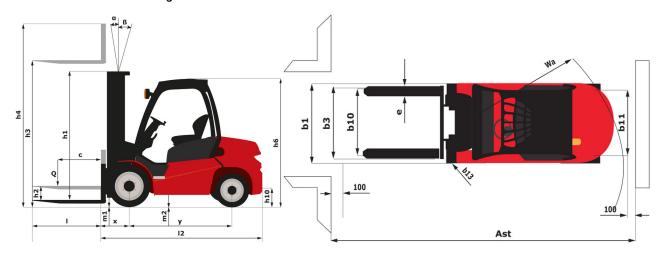




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Technical characteristics		Imperial
Manufacturer		Manitou
Model Name		MI 25 G
Power source		Lpg
Operator type		Sitting
Max. capacity	Q	5512 lb
Load centre of gravity	С	20 in
Load distance, centre of drive axle to fork	X	18 in
Wheelbase	у	63 in
Weight		
Service weight		8587 lb
Weight on front axle (laden) / rear axle (laden)		12489 lb / 1609 lb
Weight on front axle (Indden) / rear axle (Indden) Weight on front axle (Unladen) / rear axle (Unladen)		3671 lb / 4916 lb
		3071 107 4910 10
Wheels		DD2
Tyres type		PPS
Dimensions of front wheels		7.00-12 12
Dimensions of rear wheels		6.00-9 10
Number of front wheels / rear wheels		2/2
Number of drive wheels		2
Front wheel gauge	b10	38 in
Rear wheel gauge	b11	38 in
Dimensions		
Tilt of Mast Forward (deg) / Backward (deg)	α/β	6 / 12
Height of towing bar (coupling height)	h10	14 in
Overall length	l1	145 in
Length to face of forks	12	100 in
Overall width	b1	45 in
Overall width - Single wheels	b1	45 in
-		2 in x 5 in / 45 in
Forks section / width / length	s / e / l	
Fork carriage ISO 2328 (class/form) A/B	1.0	FEM 2A
Fork carriage width	b3	41 in
Ground clearance below mast	m1	5 in
Ground clearance at centre of wheelbase	m2	7 in
Aisle Width for pallets 1000 x 1200 crossways	Ast	155 in
Aisle width for 800 x 1200 pallet lengthways	Ast	13549 ft 10 in
Turning radius	Wa	89 in
Internal turning radius (over tyres)	b13	6 in
Height of overhead guard (cabin)	h6	83 in
Seat height/stand height	h7	47 in
Performances		
Travel speed (laden / unladen)		12 mi/h / 12 mi/h
Lifting speed (laden / unladen)		2 ft/s / 2 ft/s
Lowering speed (laden / unladen)		2 ft/s / 2 ft/s
Drawbar pull (Laden / Unladen)		1700 daN / 1040 daN
Gradeability (laden / unladen)		20 % / 20 %
Service brake		Hydraulic
Engine		
Engine brand / model		GCT (ex-Nissan) / K25
Engine power according to ISO 1585		47 Hp
Rated speed		2400 rpm
Number of cylinders / Capacity of cylinders		4 - 152 in <sup>3</sup>
Miscellaneous		
Working hydraulic pressure for attachments		2321 PSI
Oil flow rate for attachments		19 US gpm
Measured/guaranteed mean noise level at the ear of the operator		< 80 dB
Sound level at the driver's ear according to DIN 12 053		80 dB



## MI 25 G - Dimensional drawing



## Characteristics of masts and residual capacities

Duplex with total visibility		FVD 33	FVD 37	FVD 40
h2 - Free lift	in	6"	6"	6"
h1 - Height mast lowered *	in	7' 2"	8'	8' 8"
h3 - Lifting Height	in	10' 10"	12' 2"	13'1"
h4 - Height mast extended *	in	13'	14' 4"	15' 3"
h4 - Height mast extended with load backrest	in	13'		
α / β - Mast inclination (front / rear)	۰	6 / 12	6 / 12	6 / 12
Residual capacity at max height	lb	5511.56	5511.56	5511.56
Residual capacity without attachment (Industrial load chart)	lb	5511.56	5511.56	5511.56
Residual capacity with integrated side shift (Industrial load chart)	lb	5511.56	5511.56	5511.56
Residual capacity with hooked-on side shift (Industrial load chart)	lb	5511.56		
Height at max capacity	in	10' 10"	12' 2"	13' 1"
Height at max capacity with integrated sideshift	in	10' 10"	12' 2"	13' 1"
Height at max capacity Fork positioner + DL	in	10' 10"	12' 2"	13' 1"



Duplex with free lift		FLD 33	FLD 37	FLD 40
h2 - Free lift	in	4' 10"	5' 6"	6' 2"
h1 - Height mast lowered *	in	7' 1"	7' 9"	8' 5"
h3 - Lifting Height	in	10' 10"	12' 2"	13' 1"
h4 - Height mast extended *	in	13' 1"	14' 2"	15' 4"
$\alpha$ / $\beta$ - Mast inclination (front / rear)	۰	6 / 12	6 / 12	6 / 12
Residual capacity at max height	lb	5511.56	5511.56	5511.56
Residual capacity without attachment (Industrial load chart)	lb	5511.56	5511.56	5511.56
Residual capacity with integrated side shift (Industrial load chart)	lb	5511.56	5511.56	5511.56
Height at max capacity	in	10' 10"	12' 2"	13' 1"
Height at max capacity with integrated sideshift	in	10' 10"	12' 2"	13' 1"
Height at max capacity Fork positioner + DL	in	10' 10"	12' 2"	13' 1"

Free lift triplex		FLT 43	FLT 45	FLT 47	FLT 48	FLT 50	FLT 55	FLT 60	FLT 65
h2 - Free lift	in	4' 7"	4' 10"	5'	5' 2"	5' 4"	6'	6' 9"	7' 3"
h1 - Height mast lowered *	in	6' 11"	7' 1"	7' 3"	7' 5"	7' 7"	8' 2"	9'	9' 6"
h3 - Lifting Height	in	14' 1"	14' 9"	15' 5"	15' 9"	16' 5"	18' 1"	19' 8"	21' 4"
h4 - Height mast extended *	in	16' 5"	17' 2"	17' 8"	18'	18' 8"	20' 3"	22' 1"	23' 7"
$\alpha$ / $\beta$ - Mast inclination (front / rear)	۰	6 / 6	6 / 6	6 / 6	6 / 6	6 / 6	3 / 6	3 / 6	3 / 6
Residual capacity at max height	lb	5291.09	5180.86	4850.17	4850.17	4299.01	3637.63	2314.85	2204.62
Residual capacity without attachment (Industrial load chart)	lb	5291.09	5180.86	4850.17	4850.17	4299.01	3637.63	2314.85	2204.62
Residual capacity with integrated side shift (Industrial load chart)	lb	5180.86	5070.63	4739.94	4739.94	4188.78	3527.40	2204.62	2094.39
Height at max capacity	in	13' 1"	13' 1"	13' 1"	13' 1"	13' 1"	13' 1"	13' 1"	
Height at max capacity with integrated sideshift	in	13' 1"	13' 1"	13' 1"	13'1"	13' 1"	13' 1"	13' 1"	









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