

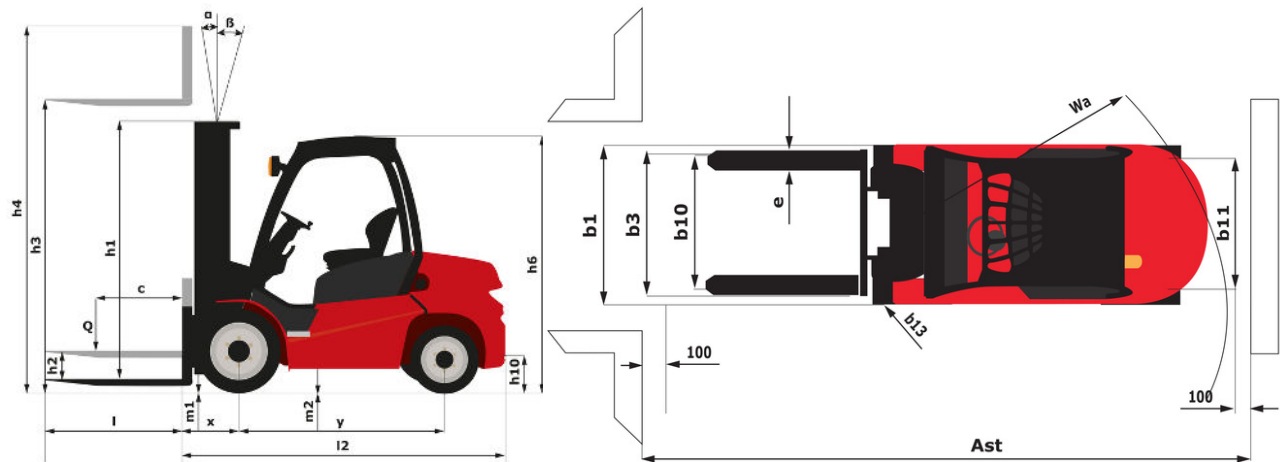
Technical sheet :

MI 70 D



Technical characteristics			Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MI 70 D
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	15432 lb
1.6	Load centre of gravity	c	24 in
1.8	Load distance, centre of drive axle to fork	x	24 in
1.9	Wheelbase	y	91 in
Weight			
2.1	Service weight		22289 lb
2.2	Weight on front axle (laden) / rear axle (laden)		33709 lb / 4012 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		9083 lb / 13206 lb
Wheels			
3.1	Tyres type		Pneumatic
3.2	Dimensions of front wheels		8.25-15-14PR
3.3	Dimensions of rear wheels		8.25-15-14PR
3.5	Number of front wheels / rear wheels		4 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	59 in
3.7	Rear wheel gauge	b11	67 in
Dimensions			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	6 / 12
4.12	Height of towing bar (coupling height)	h10	28 in
4.19	Overall length	l1	189 in
4.20	Length to face of forks	l2	141 in
4.21	Overall width	b1	78 in
4.21	Overall width - Single wheels	b1	78 in
4.22	Forks section / width / length	s / e / l	3 in x 6 in / 48 in
4.23	Fork carriage ISO 2328 (class/form) A/B		4A
4.24	Fork carriage width	b3	67 in
4.31	Ground clearance below mast	m1	7 in
4.32	Ground clearance at centre of wheelbase	m2	11 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	207 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	212 in
4.35	Turning radius	Wa	131 in
4.36	Internal turning radius (over tyres)	b13	48 in
4.7	Height of overhead guard (cabin)	h6	96 in
4.8	Seat height/stand height	h7	53 in
Performances			
5.1	Travel speed (laden / unladen)		11 mi/h / 15 mi/h
5.2	Lifting speed (laden / unladen)		1 ft/s / 1 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s / 1 ft/s
5.5	Drawbar pull (Laden / Unladen)		6280 daN / 3600 daN
5.7	Gradeability (laden)		34 %
5.10	Service brake		Hydraulic
Engine			
7.1	Engine brand / model		Deutz / TCD 3.6L 4
7.2	Engine power according to ISO 1585		55.40 kW
7.3	Rated speed		2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 220 in ³
Miscellaneous			
8.2	Working hydraulic pressure for attachments		2828 PSI
8.3	Oil flow rate for attachments		55 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 84 dB
8.4	Sound level at the driver's ear according to DIN 12 053		84 dB

MI 70 D - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 30	FVD 33	FVD 36	FVD 40	FVD 45	FVD 50
h2 - Free lift	in	6"	6"	6"	6"	6"	6"
h1 - Height mast lowered *	in	8' 2"	8' 8"	9' 2"	9' 10"	10' 10"	11' 8"
h3 - Lifting Height	in	9' 10"	10' 10"	11' 10"	13' 1"	14' 9"	16' 5"
h4 - Height mast extended *	in	13' 8"	14' 8"	15' 8"	16' 11"	18' 7"	20' 3"
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12	6 / 6	6 / 6
Residual capacity without attachment (Industrial load chart)	lb	15432.36	15432.36	15432.36	15432.36	15432.36	15432.36
Residual capacity with hooked-on side shift (Industrial load chart)	lb	14330.05	14330.05	14330.05	14330.05	14330.05	14330.05
Height at max capacity	in	9' 10"	10' 10"	11' 10"	13' 1"	14' 9"	16' 5"
Height at max capacity with hooked-on sideshift	in	9' 10"	10' 10"	11' 10"	13' 1"	14' 9"	16' 5"

Free Lift Duplex		FLD 30	FLD 33	FLD 36	FLD 40
h2 - Free lift	in	4' 5"	4' 10"	5' 4"	6'
h1 - Height mast lowered *	in	8'	8' 6"	9'	9' 8"
h3 - Lifting Height	in	9' 10"	10' 10"	11' 10"	13' 1"
h4 - Height mast extended *	in	13' 6"	14' 6"	15' 6"	16' 9"
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12
Residual capacity without attachment (Industrial load chart)	lb	15432.36	15432.36	15432.36	15432.36
Residual capacity with hooked-on side shift (Industrial load chart)	lb	14330.05	14330.05	14330.05	14330.05
Height at max capacity	in	9' 10"	10' 10"	11' 10"	13' 1"
Height at max capacity with hooked-on sideshift	in	9' 10"	10' 10"	11' 10"	13' 1"

Free Lift Triplex		FLT 45	FLT 48	FLT 50	FLT 55	FLT 60
h2 - Free lift	in	4' 11"	5' 3"	5' 6"	5' 11"	6' 7"
h1 - Height mast lowered *	in	8' 11"	9' 3"	9' 5"	10' 1"	10' 7"
h3 - Lifting Height	in	14' 9"	15' 9"	16' 5"	18' 1"	19' 8"
h4 - Height mast extended *	in	18' 10"	19' 10"	20' 5"	22' 3"	23' 9"
α / β - Mast inclination (front / rear)	°	6 / 6	6 / 6	6 / 6	3 / 6	3 / 6
Residual capacity without attachment (Industrial load chart)	lb	14109.58	13889.12	13889.12	13448.20	12125.42
Residual capacity with hooked-on side shift (Industrial load chart)	lb	13007.27	12786.81	12786.81	12345.89	11023.11
Height at max capacity	in	14' 9"	15' 9"	16' 5"	18' 1"	19' 8"
Height at max capacity with hooked-on sideshift	in	14' 9"	15' 9"	16' 5"	18' 1"	19' 8"



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