Compact trucks with 4 wheel drive

- Capacity 2000 kg and 2500 kg
- Overall height: less than 2 metres
- · Semi-Rough-Terrain





compact models with 4 wheel drive



In the standard version, the tilting cab has a front windscreen and rear window. MHs can be fitted with an optional enclosed cab (overall cab height = 2.10 m).

The driver's compartment is accessible from either side without a step, to make getting in and out easier.

A cross-shaped lever operation controls mast movements and a second lever controls hydraulic attachments such as the Sideshift carriage, grab etc.

A practical dashboard brings together several controls including:

1 - A differential lock to divide the flow between the front and rear wheels.



2 - An electro-hydraulic control to lift the cab and give access to the mechanical parts for maintenance.





The rear tilt of the mast (12°) combined with the truck's very low centre of gravity gives good stability when loaded.

In addition, the MHs can be fitted with a bucket with good tearout force.



MH 20/MH 25 - 4 T Buggie,

UOTINAM

MH 25-47

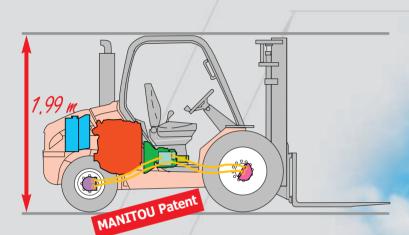
BUGGIE

With the experience of its exclusive innovative design for the MSI, its extremely stable and versatile semi-industrial truck, MANITOU is now offering the compact MH20/25 - 4 T Buggies *Evolution* with 4 permanent drive wheels.

 The compact design enables you to work in restricted spaces

The MH's patented design has enabled an exceptionally compact truck to be designed (less than 2 metres high) with easy, no step, access to the cab.

The MH are equipped with the 4-cylinder Perkins engine 404 C 22 Turbo - 60 HP - 44.7 kw.



The 4 wheel-engines give the MH good driveability for applications on slopes or unconsolidated ground.

The MHs are real semi-rough-terrain compact trucks.

• The manoeuvrability of the MHs give extraordinarily flexible working

The solid bloc steering axle with integral steering cylinder gives an exceptional steering lock for manoeuvring in cramped places.



Ideal for storage areas or narrow sites.

Mast MH 20/25 - 4 T Buggie - EN 1726 - 1 appendix H

MAS	TS	ТҮРЕ	LIFTING HEIGHT ON FORKS	OVERALL HEIGHT MAST LOWERED	FREE LIFT ON FORKS	OVERALL HEIGHT MAST EXTENDED	MAX. CA		MAX. I	EITY AT HEIGHT Kg)	MAST TILTING ANGLE
10		/	(mm)	(mm)	(mm)	(mm)	With side shift carriage	Without side shift carriage	With side shift carriage	Without side shift carriage	Front/Rear
	3.00 m	MH 20 - 4T MH 25 - 4T	3030	2145	130	3831	3000 3000	3000 3000	2000 2400	2000 2500	10/12°
-	3.30 m	MH 20 - 4T MH 25 - 4T	3330	2295	130	4131	3300 3300	3300 3300	2000 2400	2000 2500	10/12°
DUPLEX	3.50 m	MH 20 - 4T MH 25 - 4T	3530	2395	130	4331	3300 3300	3300 3300	1800 1800	1800 1900	10/12°
TOTAL VISIBILITY	3.70 m	MH 20 - 4T MH 25 - 4T	3730	2555	130	4531	3300 3300	3300 3300	1600 1800	1600 1900	10/12°
	4.00 m	MH 20 - 4T MH 25 - 4T	4030	2745	130	4831	3300 3300	3300 3300	1500 1350	1500 1550	10/12°
	4.50 m	MH 20 - 4T MH 25 - 4T	4530	2995	130	5331	3300 3300	3300 3300	1100 1000	1100 1100	10/12°
TRIPLEX Without Free lift	3.30 m	MH 20 - 4T MH 25 - 4T	3340	1990	-	4070	3300 3300	3300 3300	2000 2400	2000 2500	10/12°
	3.70 m	MH 20 - 4T MH 25 - 4T	3740	1990	1216	4469	3300 3300	3300 3300	1600 1800	1600 1900	10/12°
TRIPLEX FREE LIFT	4.00 m	MH 20 - 4T MH 25 - 4T	4040	2045	1316	4769	3300 3300	3300 3300	1500 1350	1500 1550	10/12°
	4.30 m	MH 20 - 4T MH 25 - 4T	4340	2145	1416	5069	3300 3300	3300 3300	1200 1100	1200 1250	10/12°
	4.70 m	MH 20 - 4T MH 25 - 4T	4740	2295	1566	5469	3300 3300	3300 3300	1000 900	1000 1000	10/12°

Tyres MH 20/25 - 4 T Buggie

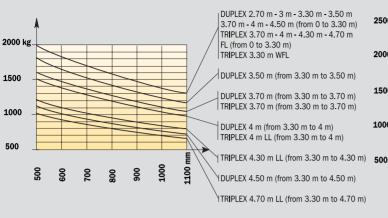
	Range		Туре	Tyre width (mm)	Overall width (mm)	Profile
Standard	Agricultural	Front	275/80 R20 XM 27	280	1440	
Stallualu	Mixed	Rear	27.10 - 12 14PR IC 30	275	1439	
	Mixed	Front	10.5 R 20 MPT 80 14PR 134 G	266	1440	
Options	Mixed	Front	10.5 R 20 MPT 80 14PR 134 G	266	1522	
	large	Front	15.5/55 R 18 SP PG7 14 PR	374	1540	
	Mixed extra large	Front	15.5/55 R 18 SP PG7 14 PR	374	1650	

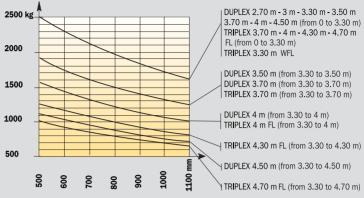
Load charts MH 20/25 - 4 T Buggie

To standard EN 1726 - 1 appendix H (standard for rough terrain trucks)

MH 20 - 4 T Buggie (without Side shift carriage)

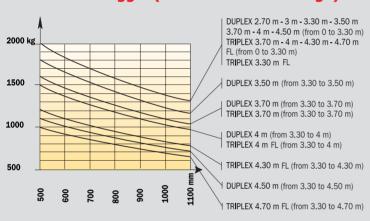
MH 25 - 4 T Buggie (without Side shift carriage)

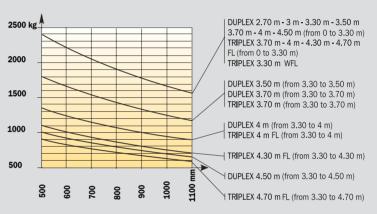




MH 20 - 4 T Buggie (with Side shift carriage)

MH 25 - 4 T Buggie (with Side shift carriage)

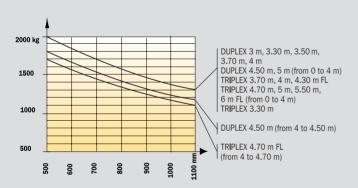


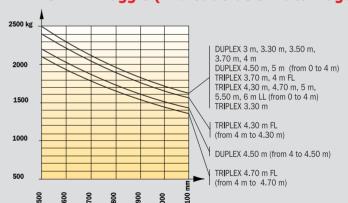


To standard EN 1726 - 1 ISO 1074 (standard for industrial trucks)

MH 20 - 4 T Buggie (without Side shift carriage)

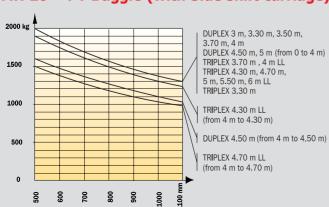
MH 25 - 4 T Buggie (without Side shift carriage)

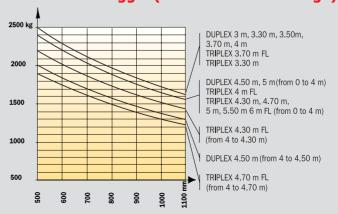




MH 20 - 4 T Buggie (with Side shift carriage)

MH 25 - 4 T Buggie (with Side shift carriage)





MH 20 - 4 T Buggie Evolution MH 25 - 4 T Buggie Evolution

Load capacity

MH 20 - 4 T Buggie	.2000	kg
MH 25 - 4 T Buggie	.2500	kg
at 500 mm load centre		



Standard lifting height3.30 m



Tyres

Front	.275/80 R2	20 XM	27	Tubeless
Rear	27.10	- 12	14	PR IC 30



Forks (mm)

Length	1100
Width x thickness	100 x 40
Maximum distance between outside of forks.	1260



Brakes hydraulically operated oil-immersed multidiscs



Perkins engine

Type	404 C - 22T
Capacity	4 cylinders - 2216 cm ³
	60 HP/44.7 kw
	190 Nm at 1800 r.p.m.
Direct injection	·
Water cooled	



Wheel drive	4
Electro-hydraulic reversing shift	
Hydraulic motors for front wheels	Rexroth
Hydraulic motors for rear wheels	Poclain
Speed forward/reverse	1/1
Maximum travel speed	14 km/h
Differential lock: by dividing the hydraulic f	low between
front and rear	



Hydraulics

Main gear pump	
MH 20 - 4 T145	bar/79 l/mn
MH 25 - 4 T180	bar/79 l/mn
Steering pump125	bar/79 l/mn



Capacities

-upucities	
Cooling system	10.5 l.
Engine oil	9.75 l.
Transmission oil	95 l.
Fuel tank	73.5 l.

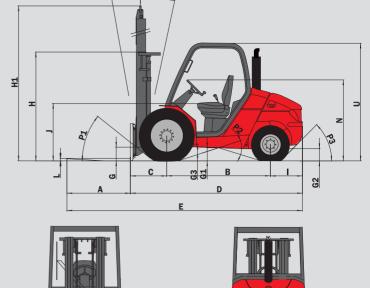


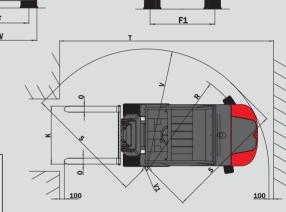
Weight unladen (with forks)

Weight unladen (with forks)	
MH 20 - 4 T	4040 kg
MH 25 - 4 T	4340 kg
Overall width	1.44 m
Overall height (overhead guard)	1.99 m
Overall length	4.04 m
Ground clearance	260 mm

This publication in no way constitutes an offer and the company reservse the right to alter specification without prior notice.

The MANITOU models presented in this brochure can be supplied complete with optional equipment attachments.





	MH 20-4T	MH 25-4 T
Α	1100	1100
В	1800	1800
С	625	625
D	2945	2945
E	4045	4045
F	1160	1160
F1	1164	1164
G	265	265
G*	235	235
G1	260	260
G1*	260	260
G2	215	215
G2*	230	230
G3	270	270
Н	1835	1835
H*	1945	1945
H1	4070	4070
H1*	4469	4469
I	520	520
J	1025	1025
K	1260	1260
L	40	40
N	1450	1450
0	100	100
P1	49.5°	49.5°
P2	40.5°	40.5°
P3	440	440
R	3045	3045
S	2500	2500
T	5090	5090
U V	1990	1990
	3265	3265
V1 W	1080 1440	1080 1440
VV	1440	1440

G* - G1*- G2* : under load H - H1 - R : standard H* - H1* : option

12°

10°

12°

10°

Standard

- Tilting driver's cab (Electro-hydraulic lift)
- Front and rear windscreen
- Seat-belt
- Hourmeter
- Front and rear windscreen-wiper
- Hydraulic differential with electro-hydraulic control
- Lockable parking brake switch
- Reversing shift on steering column
- ...

Options

- Road lights
- Stop lights
- Working lights
- Reversing lights
- Interior rear-view mirror
- Rotating beacon
- Enclosed cab with heating
- Reverse Alarm
- Various attachments such as buckets, Side-shift, grabs etc.







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