

BUGGISCOPIC

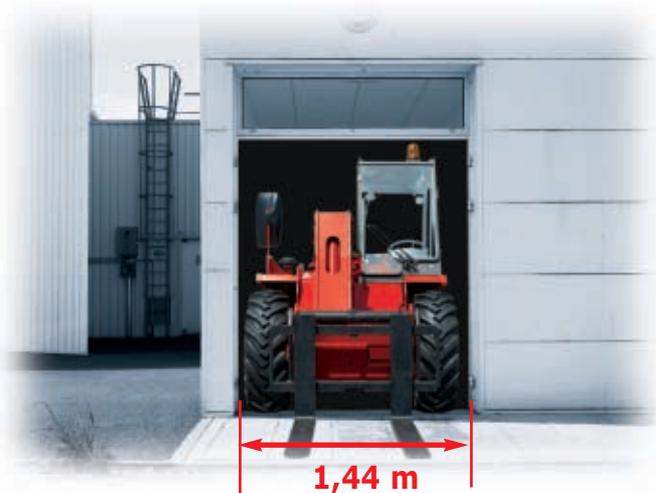
Evolution

BT 420
BT 425

- Lift height: 3.90 m
- Capacity: 2000 kg/2500 kg
- Four-wheel drive
- Maximum forward reach: 2.70 m
- Overall width: 1.44 m
- 1.50 m reach at maximum height



Easy operation in restricted spaces

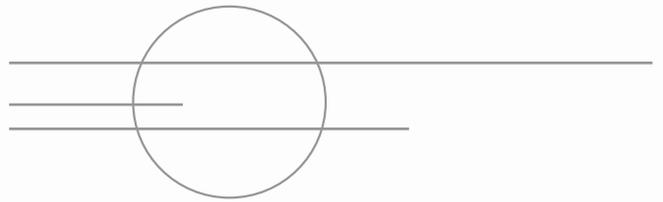


Because it is only 1.44 m wide, the **Buggiscopic** is at ease in restricted spaces (material depots, urban or congested construction sites, narrow aisles or doorways).



For access to low ceiling sites (basement, underground car park, agricultural buildings), the overall height of the Buggiscopic remains less than 2 m.





Rough-terrain operation with four-wheel drive



A 51 hp engine and four-wheel drive make the Buggiscope ideally suited to rough-terrain operations.

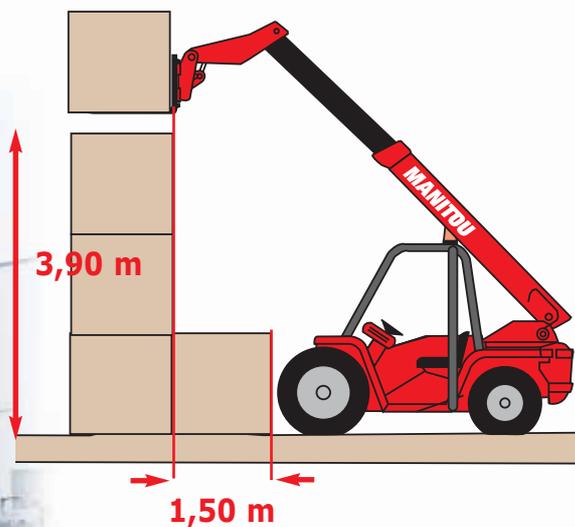
Load offset for quick handling

1.50 m maximum forward reach at a height of 4 m

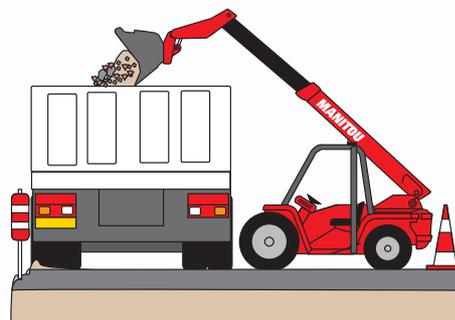
The telescopic boom of the Buggiscopic enables it to do work impossible for conventional trucks. Its nominal capacity of **2 tonnes** (2.5 tonnes version with heavy-duty carriage) and maximum forward reach of **2.70 m** make it possible to handle loads over obstacles, reducing cycle times.



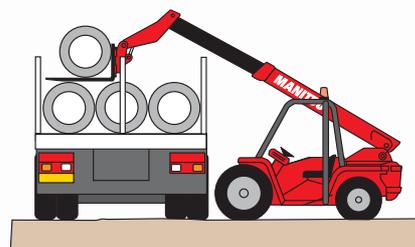
Even at a height of 4 m,
the Buggiscopic retains
a maximum forward reach of 1.50 m.
Such an advantage is particularly
valuable when taking pallets
from a second row.



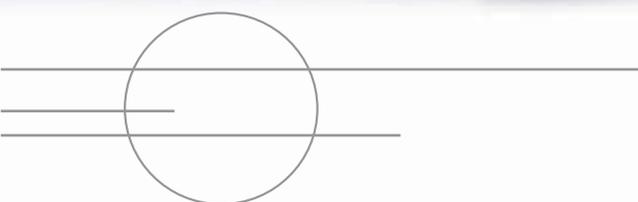
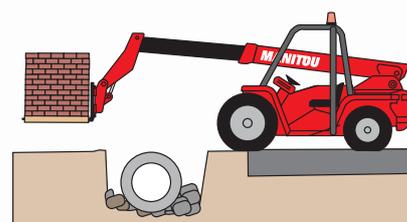
Loading bulk material
into a lorry



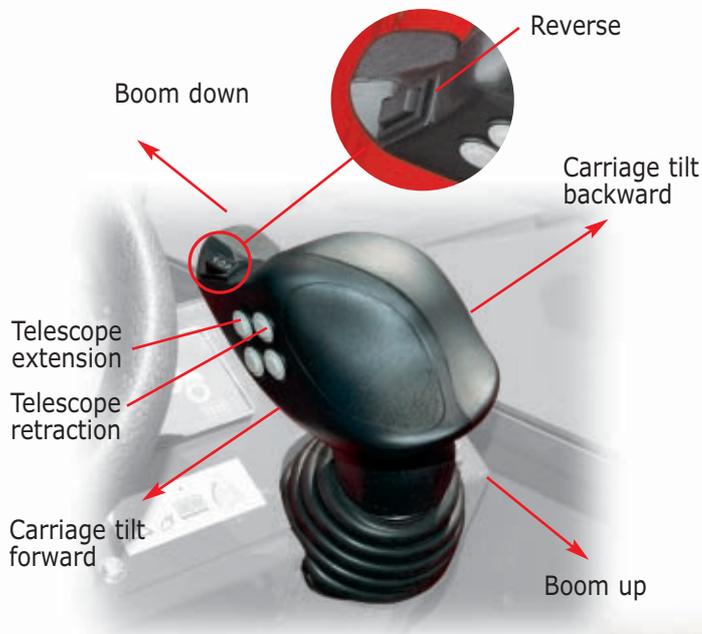
One-side loading/unloading



Handling over obstacles



Intuitive control



all functions in one hand:
The JSM® "Switch & Move" Joystick groups all handling functions as well as reversing, providing unmatched productivity

Easy access

A cab designed for easy entry and exit

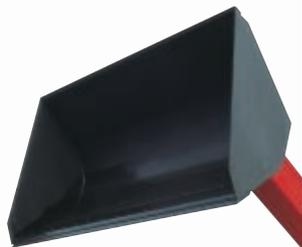


**2-tonne version for increased versatility,
and 2.5-tonne version for increased capacity**



Quick-connect carriage 2 tonnes

Increased versatility



Integral heavy-duty carriage 2.5 tonnes

Increased capacity

BT 420 - BT 425: 4 wheel drive

Evolution



Lifting capacity

at 500 mm from forks heels:

BT 420:	2000 kg
BT 425:	2500 kg
Tear out force with bucket to ISO 8313 - 1986	3430 kg



Lifting height

Maximum lifting:	3.90 m
Times: unladen/loaded (m/s) :	
Lifting:	6.37/6.2
Lowering:	4.50/4.68
Boom retraction:	4.04/4.05
Boom extension:	8.48/8.34
Time unladen (s)	
Crowd	4.2
Dump	3.2



Tyres:

Front	11.5/80 15.3 12 PR
Rear	28 x 9.15 IC 40



Forks (mm)

Length:	1100
Width x thickness:	100 X 40



Brakes

Mechanical on front axle



Perkins engine complying with EURO 2 norm

Type:	404 C - 22
Capacity:	4 cylindres - 2200 cm ³
Power (DIN 6270 B): .51 HP (38 kw) at 2750 r.p.m.	
Maximum torque:	143 Nm at 1800 r.p.m.
Water cooling	



Transmission

Electromagnetic reversing shift	hydrostatic
Maximum travel speed:	20 km/h



Hydraulics

Main pump	gear type
pressure/flow	230 bars /49.5 l/mn
Steering pump	gear type
pressure/flow	120 bars /49.5 l/mn



Capacities

Cooling system	11 l.
Engine oil	10 l.
Hydraulic oil	55 l.
Fuel tank	54 l.



Weight (with forks) BT 425	4435 kg
BT 420	4475 kg

Overall width

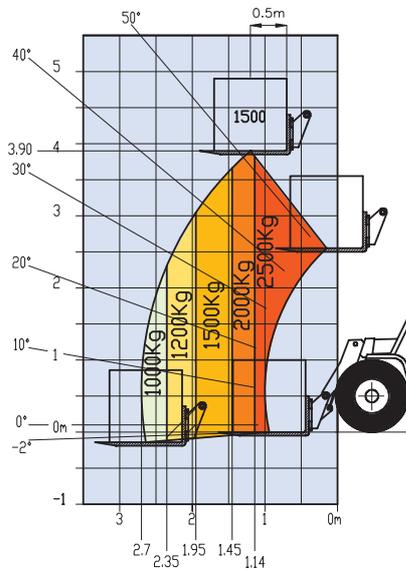
Overall height

Turning radius (outside wheels)

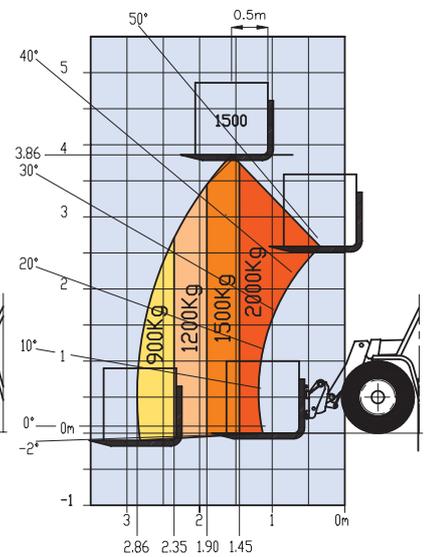
Ground clearance

Drawbar pull

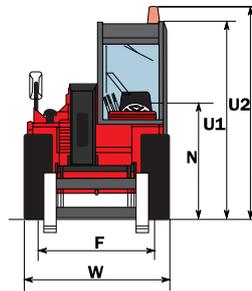
BT 425: 2500 kg Integral heavy-duty carriage



BT 420: 2000 kg Quick-connect carriage

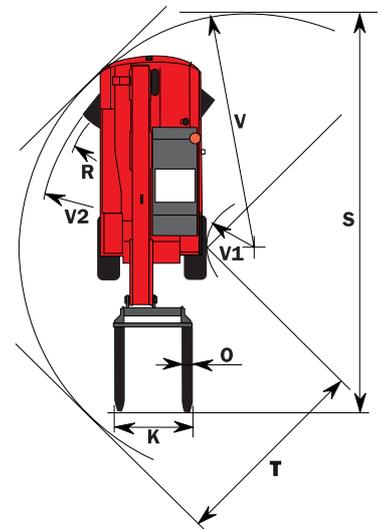
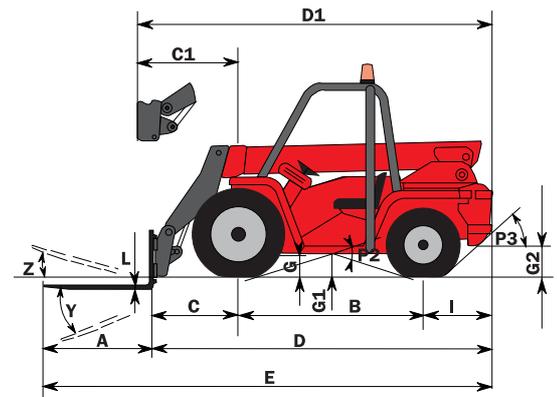


In accordance with the EN 1459 Annex B



	BT 420	BT 425
A	1100	1100
B	1800	1800
C	1065	896
C1	925	-
D	3550	3381
D1	3410	-
E	4650	4480
F	1146	1146
F1	1105	1105
G	235	235
G1	235	235
G2	245	245
I	685	685
J	640	640
K	1020	1020
L	40	40
N	1180	1180
O	100	100
P2	34°	34°
P3	40°	40°
R	3240	3240
S	5690	5690
T	2200	2200
U1	1980	1980
U2	2140	2140
V	3510	3510
V1	1250	1250
V2	3350	3350
W	1436	1436
Y	107°	107°
Z	16°	16°

mm



This equipment described in this leaflet may be standard, optional, or unavailable, depending on the versions. For more details, contact your MANITOU dealer.

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Inventor of the rough terrain forklift truck, Manitou offers today the most comprehensive range to meet all specific handling and personal lifting requirements :



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Access equipment

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MANILOADER

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