

Basic Data Menzi Muck A61		mobile	4x4 plus
Kubota 4-cylindre engine	kW / hp	61 / 82	73 / 99
Governed to	kW / hp	57 / 77	71 / 97
Max. engine speed governed to	rpm	2200	3800
Displacement	c/inch / cm	232 / 3800	dto.
Electrical system	V	24	dto.
Starter	kW	3.2	dto.
Service intervals	h	500	dto.
Diesel fuel operating tank	US-gall. / l	29.1 / 110	dto.
Diesel fuel chassis tank	US-gall. / l	42.3 / 160	dto.
Hydraulic system capacity	US-gall. / l	42.3 / 160	
Max. swivelling speed	rpm	10	dto.
Swivel force	lbf / Nm	23602 / 32'000	dto.
Operation across slope	%	70	dto.
Operation along slope	%	100	dto.
Ripping force	lbf / N	9195 / 40900	dto.
Breakout force	lbf / N	12027 / 53500	dto.
Weight without bucket	lb / kg	15873 / 7200	17196 / 7800
Speed (single stage) up to max.	mph / km/h	5 / 8	–
Speed (dual stage) up to max.	mph / km/h	6.2 / 10.0	6.8 / 11.0
Standard tyre size hub drive 500/60-22.5	inch / mm	3'8"x1'7" / 1100x500	dto.
Optional tyre size hub drive 600/50-22.5	inch / mm	3'8"x2' / 1100x600	dto.
Standard front tyre 12.5/60-15	inch / mm	2'4"x11" / 720x275	–
Optional front tyre size 3.00-15	inch / mm	2'7"x1' / 800x300	–
<i>Measurements depend on type of tyre and accessories.</i>			

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Technische Änderungen
 vorbehalten.
 mba61-0207.pmd

Menzi Muck A61 mobile

Engine

Kubota 4-cylinder diesel engine. Type V3800DI with direct injection. Displacement 3800 ccm Output 61 kW (82 HP), governed to 57 kW (77 HP) @ 2'200 rpm. Gross power guaranteed at SAE-J1349.

Hydraulic system

Rexroth LUDV load sensing hydraulics with a power-regulated swash plate axial piston pump. Total capacity 190 l/min. Working pressure 280 bar

Traction

Traction on the two big wheels. Drive by hydrostatic wheel-hub drives with hydr. differential lock and automatic parking brake. Single stage drive up to 8,0 km/h / 5 mph. Optional: Dual stage drive up to 10 km/h / 6.2 mph.

Menzi Muck A61 4x4 plus

Engine

Kubota 4-cylinder diesel engine. Type V3800DI with direct injection. Turbo-charged. Displacement 3800 ccm. Output 73 kW (99 HP), governed to 71 kW (97 HP) @ 2'400 rpm Gross power guaranteed at SAE-J1349.

Hydraulic system

Rexroth LUDV load sensing hydraulics with two power-regulated swash plate axial piston pumps. Working operation 170 l/min. travel operation 130 l/min. Working pressure 280 bar.

Traction

Traction on all four wheels. Drive by separate hydraulic pump on hydrostatic wheel-hub drives with hydr. differential lock and automatic parking brake. Dual stage drive up to 11 km/h / 6.8 mph.

„H-drive system“

Increased efficiency from driving system thanks to intelligent controller with power distribution.

Basic data Menzi Muck A61

Hydraulic connections

Control circuit 1 (standard) via foot pedal (proportional - double action) up to 120 l/min. / 32 US/gall.

Control circuit 2 (standard) via joystick (digital - double action) up to 50 l/min. / 13.2 US/gall.

Control circuit 3 (optional) for hydr. quick-change system (digital - double action)

Winch connection (optional) via foot pedal (proportional - double action) = 80 l/min. / 21.1 US/gall.

Leak oil tube (standard) for hydraulic breaker

Swing

The swing assembly is operated using torque control. An axial piston motor with an automatic multi-disc brake runs using planetary gearing stop on the inner gear teeth of the enlarged slewing gear. Slew range: 360° (endless), slewing speed: up to 10 rpm.

Electrical equipment

24 volts, battery 850 CCA, 30 amp alternator, 3.2 kW starter engine. Electrical wattage rating: 720 watts.

Hydraulic cylinders

The hydraulic cylinders on the boom have end-position damping. All hydraulic cylinders on the chassis are equipped with ball joints and have double safety-check valves (hose fracture protection) so that the machine maintains its position in the event of a fault occurring.

Control

Multi-Joystick: with 25 functions in series. The recently developed ergonomically by Menzi designed joystick guarantees even more flexibility. The boom, chassis, steering and attachment connection are all controlled using the joystick.
Pedals: there are 4 pedals for controlling the telescopic boom, attachment connection, travel and winch (optional).

Instrument panel

Clear and ergonomically designed instrument panel. Clearly readable instruments which indicate operating and other informations.

Chassis control

Fast, parallel and independent chassis functions using CAN BUS system. IP69 components guarantee continuous operation in water.

Safety cab

Comfortable crash-proof cab has all-round view, rollover resistance (ROPS and FOPS tested, according to DIN ISO 3471), is TBG-tested, vibration-free and quiet. The cab can be hydraulically tilted. The front side window, the right-hand side window and the roof window are all hinged. There is efficient air conditioning (optional). The freely adjustable air-sprung luxury seat, and armrests that can be adjusted for height and angle, offer optimum seat positioning. The operator can automatically switch off the primary control unit on leaving the cab by raising the left-hand control lever (unless the lever is inaccurately manipulated).

Options

- Equipment for the hoist attachment
- Air conditioning
- Winch preparation
- Hydraulic telescopic front stabilisers
- Hydraulic stabilization
- Hydraulic free-wheel shifting of the drive wheels
- Automatic central lubricating system
- Particle filter
- Revolving lamp
- Biodegradable hydraulic fluid
- Customer-specified paintwork
- Custom-made devices

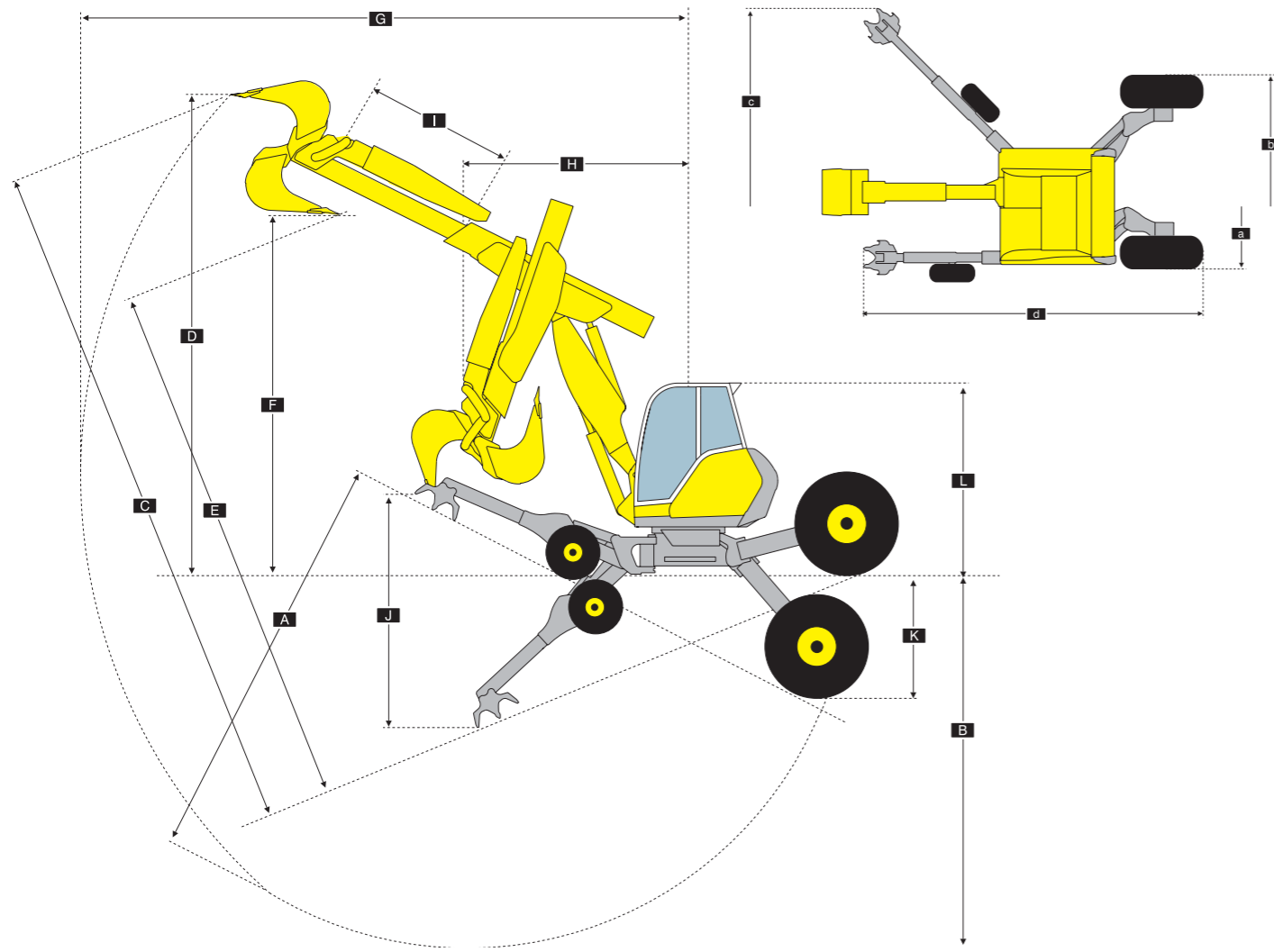


Table of Dimensions Menzi Muck A61 mobile

A	Excavation depth max.(with chassis adjustment)	inch / mm	16'4" / 4990
B	Excavation depth max. (chassis horizontally)	inch / mm	15'5" / 4690
C	Excavation height max. (with chassis adjustment)	inch / mm	28'6" / 8690
D	Excavation height max. (chassis horizontally)	inch / mm	21' / 6390
E	Discharge height max. (with chassis adjustment)	inch / mm	21'4" / 6500
F	Discharge height max. (chassis horizontally)	inch / mm	15'1" / 4600
G	Jib Range max.	inch / mm	24'6" / 7470
H	Smallest swivelling radius	inch / mm	9'1" / 2760
I	Dipper lenght	inch / mm	4'11" / 1500
J	Positioning range stabilizers	inch / mm	8'7" / 2610
K	Positioning range hub drive	inch / mm	5'9" / 1750
L	Transport height	inch / mm	8'4" / 2540
a	Minimum width hub drive (transport width)	inch / mm	6'6" / 1995
b	Max. positioning width hub drive	inch / mm	13'5" / 4080
c	Max. positioning width stabilizers	inch / mm	18'4" / 5600
d	Chassis length	inch / mm	16'10" / 5360

Measurements depend on type of tyre and accessories.

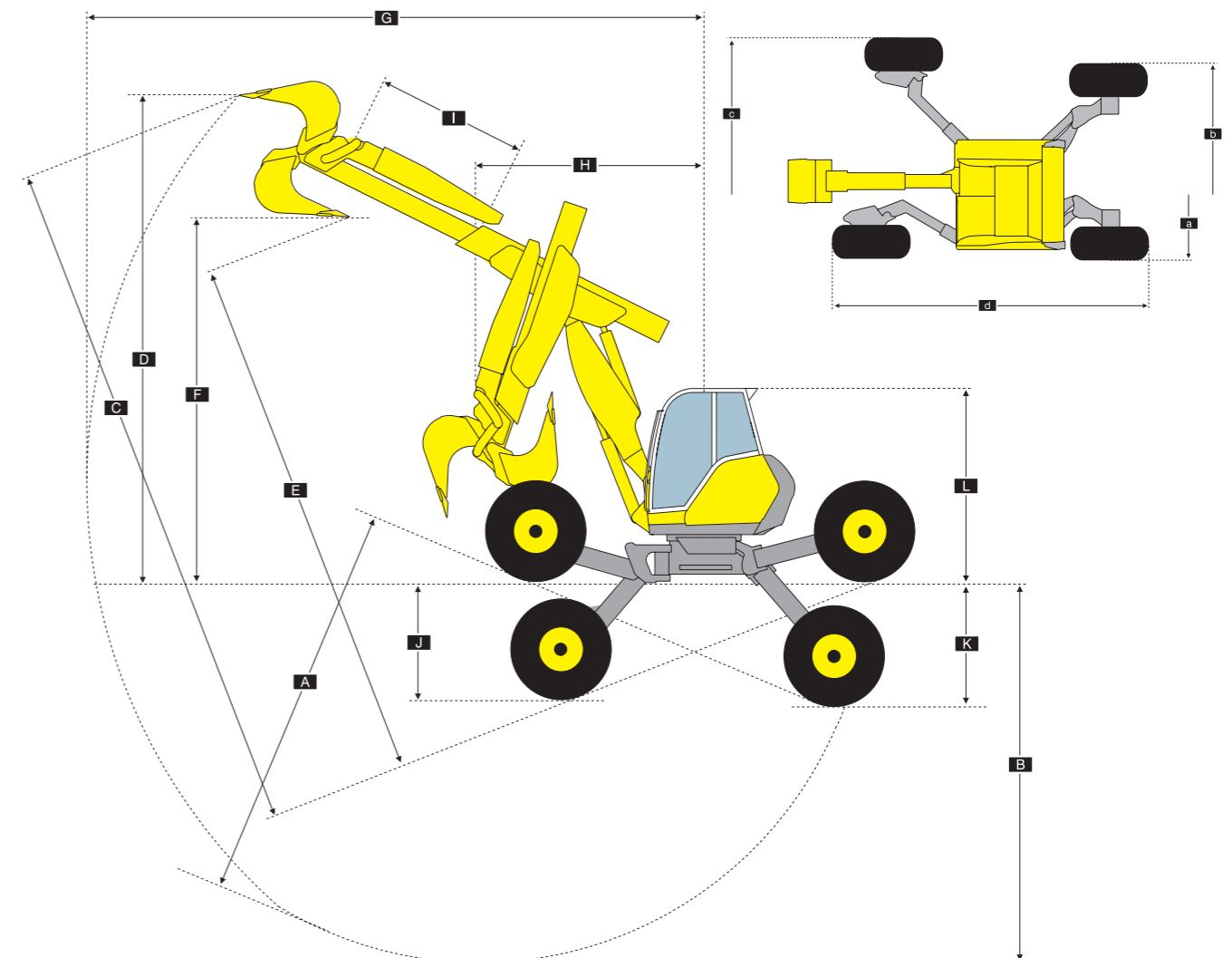


Table of Dimensions Menzi Muck A61 4x4 plus

A	Excavation depth max.(with chassis adjustment)	inch / mm	16'4" / 4990
B	Excavation depth max. (chassis horizontally)	inch / mm	15'5" / 4690
C	Excavation height max. (with chassis adjustment)	inch / mm	27'10" / 8480
D	Excavation height max. (chassis horizontally)	inch / mm	21' / 6390
E	Discharge height max. (with chassis adjustment)	inch / mm	20'10" / 6350
F	Discharge height max. (chassis horizontally)	inch / mm	15'1" / 4600
G	Jib Range max.	inch / mm	24'6" / 7470
H	Smallest swivelling radius	inch / mm	9'1" / 2760
I	Dipper lenght	inch / mm	4'11" / 1500
J	Positioning range front drive	inch / mm	5'3" / 1620
K	Positioning range hub drive	inch / mm	5'9" / 1750
L	Transport height	inch / mm	8'4" / 2540
a	Minimum width hub drive (transport width)	inch / mm	6'6" / 1995
b	Max. positioning width hub drive	inch / mm	13'5" / 4080
c	Max. positioning width front drive	inch / mm	16'10" / 5140
d	Chassis length	inch / mm	17'5" / 5320

Measurements depend on type of tyre and accessories.