The new Menzi M2-series. A clever climbing specialist.

- Hydrostatic two wheel drive over the two big wheels
- Two removable shafts with two small steering wheels
- Hydraulic telescopable stabilization
Economical & efficient.
Engine, hydraulic, electric and cooling system.

APM - up to 30% fuel savings
The APM controller (Anticipating Power Management) creates a new, fast and harmonic interplay between the engine and the hydraulics. Overloading is thereby reduced to an absolute minimum. Power, Eco and Fine mode provide extra help in efficient operation of the machines.

Deutz-Power
The powerful 4-cylinder Turbo-Diesel engine of Deutz (55 KW / 75 HP) meets the exhaust EU Stage IIIB / US Tier IV and is ready for even stricter upcoming emission limits.

Cooling system
Generously dimensioned cooling system, three separate coordinated cooler elements for hydraulic oil/charge air/water, maximum cooling capacity through side-by-side arrangement of the cooling elements, variable fan motor, option: swing condenser-element for air-conditioning.

Swiveling with big slewing ring
An axial piston motor with automatic multi-disc stop brake acts via a planetary gear on the internal gearing of the large-dimensioned, double-row slewing ring (Ø 1000 mm). The maximum slewing force is available over the entire speed range.

Hydraulic system
Sensitive Load Sensing hydraulic system. The harmonious operating cycle is geared towards smooth and optimised performance. A high pressure piston pump for working and driving, an piston pump for chassis and a gear pump for the fan.

Hydraulic cylinders
All cylinders on the chassis are equipped with check valves for safety. All cylinders on the boom are equipped with cushioning.

Hydraulic circuits
The required liter/gallons quantities of the hydraulic auxiliary circuits can be selected on the color display.

Options
- automatic central lubrication system
- biodegradable hydraulic oil
- hydraulic affluent filter
- heavy lifting and road equipment
- hydraulic preparation for winch
- LED-additional light on the boom
- special color
- leakage line
- electrically switchable check valves
- additional safety valves on the dipper cylinder
- lock out switch

Circuit 1 (on the boom)
up to 150 l/min. - 39.6 US-gall./min. through proportional foot pedal - double acting

Circuit 2 (on the boom)
up to 40 l/min. - 10.6 US-gall./min. through proportional-rocker switch on the right joystick – double acting

Circuit 3 (on the boom)
up to 40 l/min. - 10.6 US-gall./min. s/w on left joystick - double acting

Circuit 4 (on the boom)
for hydraulic quick changer from pilot pressure – double acting

Hydraulic winch preparation (chassis)
up to 100 l/min. - 26.4 US-gall/min. through switch on the left joystick - double acting (option)

Return line (on the boom)
for hydraulic hammer

Leakage line (option)
Menzi Muck the technology leader. Innovations that make us number one.

The M2-Dual-Drive
The new, electronically controlled drive system ensures precise and regular propulsion up to 8 km/h / 5 mph. Depending on the steering angle, distribution of wheel speeds and driving forces are equally and continuously adapted to the driving situation.

The M2 stabilisation
The enormous adjustment range of the M2 chassis creates an excellent balance angle on steep slope.

Proved Menzi powerboom
There is a lot of innovation in the proven and unique boom of the M-series. Unique to Menzi Muck, the boom cylinder is mounted horizontally in the center part. Collisions at the boom cylinder are therefore impossible.

Wide-angle kinematics with power booster
The kinematics of Menzi Muck opens new dimensions: optimum work in the close-up range at the minimum possible swivel radius is contrasted with maximum stretching of the boom. The Menzi power booster thereby supplies the highest possible forces over the whole working range.

Flying made easy!
In just a few steps, the Menzi Muck M2 can be disassembled for transport by helicopter, funicular or crane to the desired individual sizes. Clever auxiliary equipment facilitate this work enormously.

Kinematics comparison at the dipper
The panorama cockpit.
The operator is most important.

**Operators cockpit**
A free view of the entire working environment, the support and the wheels, provide the operator with safety and complete control in all situations. The spacious cab provides a perfect sense of space and many practical details for relaxed working.

**Comfort and safety**
From the ergonomic joystick with proportional rocker and hand support to the air-suspended operator’s seat right up to adjustable armrests and foot pedals, no stone has been left unturned to provide the operator with a maximum of comfort.

**Color display & control unit**
Free adjustable 7-inch color display with integrated control units and memory capacity for various attachments.

**Extensive standard equipment**
ROP (Roll-Over-Protectio System) according to DIN ISO 3471, cast parts at the upper structure used as fenders, side and rear covers are opened supported by gas-pressure springs, diesel fuel pump with auto stop, integrated tool box, DAB+ radio with CD/MP3-player, powerful heating with six individual adjustable air nozzles, pollen and recirculated air filter, 4 LED-spotlights (2 in the front, 2 in the rear), etc.

**Numerous cab options**
Air-conditioning, heater with time clock, rotating beacon, four point safety harness
The Menzi Muck M2. It`s technical data say it all.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight without accessories</td>
<td>7000 kg</td>
<td>15432 lb</td>
</tr>
<tr>
<td>Turning radius</td>
<td>6800 mm</td>
<td>22'3&quot;</td>
</tr>
<tr>
<td>Speed</td>
<td>8 km/h</td>
<td>5 mph</td>
</tr>
<tr>
<td>Steering wheels</td>
<td>12.5/60-15</td>
<td></td>
</tr>
<tr>
<td>Hub drive</td>
<td>500/45-20</td>
<td></td>
</tr>
<tr>
<td>Operating tank</td>
<td>125 liters</td>
<td>33.0 US-gall.</td>
</tr>
<tr>
<td>Additional tank in the chassis</td>
<td>210 liters</td>
<td>55.5 US-gall.</td>
</tr>
<tr>
<td>Content of hydr. system</td>
<td>190 liters</td>
<td>50.2 US-gall.</td>
</tr>
<tr>
<td>Lifting capacity @ 3.0 m</td>
<td>max. 5400 kg</td>
<td>11905 lb</td>
</tr>
<tr>
<td>Lifting capacity @ 4.5 m</td>
<td>max. 3100 kg</td>
<td>6834 lb</td>
</tr>
<tr>
<td>Lifting capacity @ 6.0 m</td>
<td>max. 2000 kg</td>
<td>4409 lb</td>
</tr>
<tr>
<td>Breakout force</td>
<td>75 kN</td>
<td>7648 kp</td>
</tr>
<tr>
<td>Ripping force</td>
<td>43 kN</td>
<td>4385 kp</td>
</tr>
</tbody>
</table>
Dimensions without Powertilt. Technical data vary upon tyre/tool.

<table>
<thead>
<tr>
<th>Dimensions in mm / “</th>
<th>Menzi Muck M220</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Max. Excavation depth with adjusted chassis</td>
</tr>
<tr>
<td>B</td>
<td>Max. Excavation depth chassis horizontal</td>
</tr>
<tr>
<td>C</td>
<td>Max. Excavation height with adjusted chassis</td>
</tr>
<tr>
<td>D</td>
<td>Max. Excavation height chassis horizontal</td>
</tr>
<tr>
<td>E</td>
<td>Max. Discharge height with adjusted chassis</td>
</tr>
<tr>
<td>F</td>
<td>Max. Discharge height chassis horizontal</td>
</tr>
<tr>
<td>G</td>
<td>Max. Jib Range</td>
</tr>
<tr>
<td>H</td>
<td>Min. Swivelling radius</td>
</tr>
<tr>
<td>I</td>
<td>Dipper length</td>
</tr>
<tr>
<td>J</td>
<td>Positioning range stabilizers</td>
</tr>
<tr>
<td>K</td>
<td>Positioning range hub drive</td>
</tr>
<tr>
<td>L</td>
<td>Transport height</td>
</tr>
<tr>
<td>M</td>
<td>Minimum width hub drive, transport width</td>
</tr>
<tr>
<td>N</td>
<td>Max. positioning width hub drive</td>
</tr>
<tr>
<td>O</td>
<td>Max. positioning width stabilizers</td>
</tr>
<tr>
<td>P</td>
<td>Chassis length</td>
</tr>
</tbody>
</table>
More information.

**www.menzimuck.com**
- entire product range
- distributors, service network and event calendar
- company infos
- calendar of trade fairs and open doors
- fanshop
- multimedia (brochures, guides, photographs, videos, ...)
- multilingual
- and much more

**www.facebook.com/menzimuck.com**
- the history of the Menzi Muck
- product and company news
- discussions over the Menzi Muck
- events
- contributions from other Menzi Muck operators and fans

**www.youtube.com/menzimuck.com**
- events and special reports
- TV-reports
- Menzi Muck working
- accessories in action