The Menzi Muck M5. Powerful, efficient and the technology leader.
# The approved Menzi M5-series. The overview of the models.

<table>
<thead>
<tr>
<th>Model</th>
<th>Details</th>
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</table>
| **M520** | - Hydrostatic two wheel drive over the two big wheels  
- Two removable shafts with two small steering wheels  
- Hydraulic telescopic stabilization |
| **M525** | *Same as Menzi Muck M520 with*  
- drive by two big steering wheels (hydraulic rear steering) |
| **M530** | - Hydrostatic four wheel drive over two big and two small wheels  
- Hydraulic telescopic stabilization |
| **M535** | *Same as Menzi Muck M530 with*  
- drive by two big steering wheels (hydraulic rear steering)  
- Option: mecanical or hydraulic lifting axle |
| **M540** | - Hydrostatic all wheel drive over four big wheels  
- P-Matic parallel-stabilization 2017  
- Option: mountain steel pads mecanically or hydraulically telescopic |
| **M545** | *Same as Menzi Muck M540 with*  
- sensor steered all wheel drive |

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. Power-lift function for maximum forces.

Swiveling with big swivelling ring
An radial piston motor with automatic multi-disc stop brake acts via a planetary gear on the internal gearing of the large-dimensioned, double-row swivelling ring (Ø 1200 mm, hardened tooth flank). The large volume swing motor operates extremely quietly and is completely maintenance free. The maximum swivelling force is available over the entire speed range.

Engine
The powerful Deutz 4-cylinder turbo diesel engine with 115 kW/157 hp has been ideally adapted to the overall system and guarantees minimum fuel and overall operating costs.

Deutz T4F
With this EU IV standard engine, Deutz is relying on selective catalytic reduction, consisting of SCR catalytic converter and additional components, such as injector and AdBlue® supply. Protecting the environment by effectively minimising nitrogen oxide while maintaining the output.

Deutz T3A
Engines with emission standard IIIA are suitable for exports to unregulated countries. Please do not hesitate to contact your customer advisor for more information. www.menzimuck.com/en/service-and-sales/

Cooling
A generously dimensioned, naturally aspirated cooling system for hydraulic oil, charge air and water, three adapted radiator elements, maximum cooling output thanks to side-by-side cooling element arrangement, variable fan motor featuring demand-based drive control and optionally a swivelling condenser element for the air conditioning as well as reversible fan.

Tank contents
Operating tank: 205 liters / 54.2 US-gall.
Additional fuel tank in the chassis: 230 liters / 60.8 US-gall.
AdBlue tank: 20 liters / 5.28 US-gall.

Hydraulic system
Sensitive Load Sensing hydraulic system by Bosch-Rexroth. The harmonious operating cycle is geared towards smooth and optimised performance.

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

Options
- automatic central lubrication system
- biodegradable hydraulic oil
- Powerline with higher engine output
- hydraulic affluent filter
- heavy lifting and road equipment
- hydraulic preparation for winch
- leakage line and lifting limiter
- electrically switchable check valves
- additional safety valves on the dipper cylinder

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

Circuit 1 (on the boom)
up to 200 l/min. - 52.8 US-gall./min. through proportional foot pedal - double acting

Circuit 2 (on the boom)
up to 100 l/min. - 26.4 US-gall./min. through proportional-rocker switch on the right joystick – double acting

Circuit 3 (on the boom)
up to 50 l/min. - 13.2 US-gall/min. over s/w-circuit on the left joystick – double acting (option)

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

Hydraulic winch preparation (chassis)
up to 120 l/min. - 31.7 US-gall/min. through proportional-rocker switch on the left joystick – double acting (option)

Return line (on the boom)
for hydraulic hammer

Powerline (view options)
Simple or double acting auxiliary circuit up to 220 l/min - 58.1 US-gall./min.; with priority supply by a separate pump

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

The new Powerline 2017 with increased litre output
A separate pump optionally supplies the additional connection with up to 220 liters per minute, thus significantly boosting the efficiency of attachments thanks to a permanently high oil supply. The system enables individual configurations for liter quantities and pressure values.

World innovation: 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.

Unrivaled forces

<table>
<thead>
<tr>
<th></th>
<th>Lift kg</th>
<th>Lift lb</th>
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</thead>
<tbody>
<tr>
<td>Lifting capacity @ 3.0 m</td>
<td>9200 kg / 20283 lb</td>
<td></td>
</tr>
<tr>
<td>Lifting capacity @ 4.5 m</td>
<td>6000 kg / 13228 lb</td>
<td></td>
</tr>
<tr>
<td>Lifting capacity @ 6.0 m</td>
<td>4100 kg / 9039 lb</td>
<td></td>
</tr>
<tr>
<td>Breakout force</td>
<td>102 kN / 10401 kp</td>
<td></td>
</tr>
<tr>
<td>Ripping force</td>
<td>69 kN / 7036 kp</td>
<td></td>
</tr>
<tr>
<td>Thrust force telescope</td>
<td>191 kN</td>
<td></td>
</tr>
<tr>
<td>Swing torque</td>
<td>52 kNm</td>
<td></td>
</tr>
</tbody>
</table>

Tool management
The required liter/US-gall. volumes can be stored at the display for up to 15 accessories. Simply select the corresponding preprogramming to change the tool.

Digging arc comparison
The new arm kinematics results in more working area.
The panorama cockpit. The operator is most important.

Panorama 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.

Dashboard with LCD-Display
Clear and ergonomic arranged instrument panel. Analog controls with integrated color display to show the most important indicators. Various control elements with LED-illuminated toggles switches.

Extensive standard equipment
“Roll-Over Protection System” – ROPS as per (DIN ISO 3471), cast parts on the upper structure as impact protection, side and rear panels featuring gas shocks to facilitate opening, reversing camera, diesel input pump including limit stop, cyclone air filter, integrated tool compartment, DAB+ radio including CD/MP3 player, powerful heating with seven individually adjustable air vents, pollen and air recirculation filter, five LED headlights (three facing forwards, two facing towards the rear), etc.

Numerous cab options
- air-conditioning
- Grammer Evolution operator’s seat
- heater with time clock
- rotating beacon
- lighting system on the roof with up to 10 LED- or Xenon-spotlights
- four point safety harness
- FOPS security grid roof
- protective grid on the windshield
- security glazing (polycarbonate/lexan)
- LED-additional light on the boom
- additional external tool box
- special color
- telediagnostic service / lock out switch
The Menzi Muck M520 and M525. The original.

<table>
<thead>
<tr>
<th></th>
<th>M520</th>
<th>M525</th>
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</thead>
<tbody>
<tr>
<td>Turning radius</td>
<td>7300 mm 23’11”</td>
<td>5000 mm 16’4”</td>
</tr>
<tr>
<td>Weight without accessories</td>
<td>10700 kg 23589 lb</td>
<td>11000 kg 24250 lb</td>
</tr>
<tr>
<td>Speed</td>
<td>15 km/h 9.3 mph</td>
<td>15 km/h 9.3 mph</td>
</tr>
<tr>
<td>Dimensionen in mm</td>
<td>M520</td>
<td>M525</td>
</tr>
<tr>
<td>-------------------</td>
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<td>--------</td>
</tr>
<tr>
<td>A Max. Excavation depth with adjusted chassis</td>
<td>5470 17'11&quot;</td>
<td>5470 17'11&quot;</td>
</tr>
<tr>
<td>B Max. Excavation depth chassis horizontal</td>
<td>4730 15'6&quot;</td>
<td>4730 15'6&quot;</td>
</tr>
<tr>
<td>C Max. Excavation height with adjusted chassis</td>
<td>9870 32'4&quot;</td>
<td>9910 32'4&quot;</td>
</tr>
<tr>
<td>D Max. Excavation height chassis horizontal</td>
<td>7700 25'3&quot;</td>
<td>7700 25'3&quot;</td>
</tr>
<tr>
<td>E Max. Discharge height with adjusted chassis</td>
<td>7940 26'</td>
<td>7970 26'1&quot;</td>
</tr>
<tr>
<td>F Max. Discharge height chassis horizontal</td>
<td>5890 19'3&quot;</td>
<td>5890 19'3&quot;</td>
</tr>
<tr>
<td>G Max. Jib Range</td>
<td>8210 26'11&quot;</td>
<td>8210 26'11&quot;</td>
</tr>
<tr>
<td>H Min. Swivelling radius</td>
<td>2480 8'1&quot;</td>
<td>2480 8'1&quot;</td>
</tr>
<tr>
<td>I Dipper length</td>
<td>1800 5'10&quot;</td>
<td>1800 5'10&quot;</td>
</tr>
<tr>
<td>J Positioning range stabilizers</td>
<td>3660 11'10&quot;</td>
<td>3660 11'10&quot;</td>
</tr>
<tr>
<td>K Positioning range hub drive</td>
<td>1580 5'2&quot;</td>
<td>1650 5'3&quot;</td>
</tr>
<tr>
<td>L Transport height</td>
<td>2550 8'4&quot;</td>
<td>2550 8'4&quot;</td>
</tr>
<tr>
<td>M Minimum width hub drive, transport width</td>
<td>2230 7'3&quot;</td>
<td>2370 7'9&quot;</td>
</tr>
<tr>
<td>N Max. positioning width hub drive / rear wheels</td>
<td>4530 14'10&quot;</td>
<td>4680 15'4&quot;</td>
</tr>
<tr>
<td>O Max. positioning width stabilizers / front wheels</td>
<td>6730 22'1&quot;</td>
<td>6720 22'</td>
</tr>
<tr>
<td>P Chassis length</td>
<td>5830 19'1&quot;</td>
<td>5960 19'6&quot;</td>
</tr>
</tbody>
</table>

Dimensions without PowerTilt. Technical data vary upon request.
The Menzi Muck M530 and M535. For even more traction.

<table>
<thead>
<tr>
<th></th>
<th>M530</th>
<th>M535</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turning radius</td>
<td>9400 mm</td>
<td>30'10&quot;</td>
</tr>
<tr>
<td></td>
<td>7800 mm</td>
<td>25'7&quot;</td>
</tr>
<tr>
<td>Weight without accessories</td>
<td>11300 kg</td>
<td>24912 lb</td>
</tr>
<tr>
<td></td>
<td>11600 kg</td>
<td>25574 lb</td>
</tr>
<tr>
<td>Speed</td>
<td>12 km/h</td>
<td>7.5 mph</td>
</tr>
<tr>
<td></td>
<td>12 km/h</td>
<td>7.5 mph</td>
</tr>
</tbody>
</table>
A  Max. Excavation depth with adjusted chassis 5460 17"11"  5460 17"11"
B  Max. Excavation depth chassis horizontal 4730 15'6"  4730 15'6"
C  Max. Excavation height with adjusted chassis 9870 32'4"  9900 32'5"
D  Max. Excavation height chassis horizontal 7700 25'3"  7700 25'3"
E  Max. Discharge height with adjusted chassis 7940 26'  7970 26'1"
F  Max. Discharge height chassis horizontal 5890 19'3"  5890 19'3"
G  Max. Jib Range 8210 26'11"  8210 26'11"
H  Min. Swivelling radius 2480 8'1"  2480 8'1"
I  Dipper length 1800 5'10"  1800 5'10"
J  Positioning range stabilizers 2510 8'2"  2510 8'2"
K  Positioning range hub drive 1570 5'1"  1650 5'5"
L  Transport height 2550 8'4"  2550 8'4"
M  Minimum width hub drive, transport width 2230 7'3"  2370 7'9"
N  Max. positioning width hub drive 4530 14'10"  4680 15'4"
O  Max. positioning width stabilizers 6730 22'1"  6730 22'1"
P  Chassis length 5800 19'2"  5940 19'5"
The Menzi Muck M540 and M545. Unlimited mobility.

<table>
<thead>
<tr>
<th></th>
<th>M540</th>
<th>M545</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turning radius</td>
<td>8300 mm 27’2”</td>
<td>7440 mm 24’5”</td>
</tr>
<tr>
<td>Weight without accessories</td>
<td>12000 kg 26455 lb</td>
<td>12300 kg 27117 lb</td>
</tr>
<tr>
<td>Speed</td>
<td>10 km/h 6.2 mph</td>
<td>10 km/h 6.2 mph</td>
</tr>
<tr>
<td>Dimensionen in mm</td>
<td>M540</td>
<td>M545</td>
</tr>
<tr>
<td>-------------------</td>
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<td>-------</td>
</tr>
</tbody>
</table>
| A Max. Excavation depth with adjusted chassis | 5120  | 16'9" | 5140  | 16'10"
| B Max. Excavation depth chassis horizontal | 4730  | 15'6" | 4730  | 15'6"
| C Max. Excavation height with adjusted chassis | 9360  | 30'8" | 9370  | 30'8"
| D Max. Excavation height chassis horizontal | 7700  | 25'3" | 7700  | 25'3"
| E Max. Discharge height with adjusted chassis | 7420  | 24'4" | 7430  | 24'4"
| F Max. Discharge height chassis horizontal | 5890  | 19'3" | 5890  | 19'3"
| G Max. Jib Range | 8210  | 26'11" | 8210  | 26'11"
| H Min. Swivelling radius | 2480  | 8'1" | 2480  | 8'1"
| I Dipper length | 1800  | 5'10" | 1800  | 5'10"
| J Positioning range front wheels | 1250  | 4'1" | 1250  | 4'1"
| K Positioning range rear wheels | 1580  | 5'2" | 1650  | 5'5"
| L Transport height | 2550  | 8'4" | 2550  | 8'4"
| M Minimum width hub drive, transport width | 2300  | 7'6" | 2380  | 7'9"
| N Minimum width front drive, transport width | 2510  | 8'2" | 2430  | 7'2"
| O Max. positioning width hub drive / rear wheels | 4600  | 15'1" | 4690  | 15'4"
| P Max. positioning width stabilizers / front wheels | 6140  | 20'1" | 6140  | 20'1"
| Q Chassis length | 5880  | 19'3" | 6190  | 20'3"
More information.

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

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

**https://www.menzimuck.com/gebrauchtmarkt/**
- several used machines/accessories with foto
- free ads for private offers and requests