ULTIMATE
MULTIDRIVE // THE
ALL-TERRAIN LOAD CARRIER
The ULTIMATE all-terrain load carrier
THERE’S NOTHING QUITE LIKE A MULTIDRIVE
MULTIDRIVE: The ULTIMATE all-terrain load carrier

Superior hauling capacity
Carry payloads of up to 10,000kg while hauling up to 18,000kg

Enhanced comfort
Now available with high-back KAB seat

Unrivalled traction
Positive mechanical drive technology

50km/h transport speed
Safe, stable and fuel efficient

Enhanced safety
Consistent, even braking on steep banks

WHY MULTIDRIVE?
**Impressive height clearance**
Available with a range of large diameter row crops wheels

**Low ground pressure**
Outstanding power to weight ratio

**Greater control**
Customise the machine’s performance to the field conditions

**Easy to use**
Straightforward design layout and ergonomic controls

**Unrivalled versatility**
The ultimate all-purpose, all-terrain load-carrying vehicle
One of the toughest series of multi-purpose load carriers ever built, the Multidrive range is precision-engineered in the UK for quality, durability and longevity.

**Robust build quality**
Proven in some of the most challenging working conditions from war zones in Africa to the Australian outback, McConnel Multidrive machines are exceptionally rugged and are built to thrive on the busy workloads of professional contractors and challenging terrains the World over.

**Unrivalled versatility**
The ultimate all-purpose, all-terrain load-carrying vehicle, Multidrive machines offer a flexibility that cannot be matched in the industry. Popular as a spreader and sprayer they are capable of carrying payloads of up to 10,000kg while hauling up to 18,000kg.
MULTIDRIVE The ULTIMATE all-terrain load carrier
Featuring a true 4WD system that delivers power to all four wheels simultaneously for consistent traction, Multidrive machines improve safety; enable operators to work in tough terrain and challenging conditions – enhancing both precision and control.

**Power efficiency**
95% of power generated is delivered to the contact area of the tyre – compared with just 80% for rival hydrostatic machines which squander power by moving oil around the machine. This increased efficiency also eradicates power lag, improves performance and delivers better fuel economy.

**Enhanced safety**
Positive drive technology delivers one of the safest user experiences on the market and enables operators to work in challenging field conditions. Reliable traction reduces the risk of wheel-spin and ensures consistent even braking and protection from hydraulic overrun on steep banks.

**Greater control**
The Multidrive delivers a smooth and comfortable ride on the road and outstanding traction and torque in the field. A variety of specialist steering modes ensure the best in manoeuvrability and enables operators to customise the machine’s performance to the field conditions and task at hand.

**Low running costs**
Unlike hydrostatic machines which have to run at high engine revs all the time for a consistent oil flow, McConnel machines place less strain on the engine and moving parts. Multidrives are also easier to service and maintain than hydrostatic machines, which often have to be returned to the manufacturer when they need to be repaired. That means lower running costs, a major reduction in downtime, and greater reliability.
MULTIDRIVE  The ULTIMATE all-terrain load carrier

PERFORM IN THE FIELD AND ON THE ROAD

Fast and comfortable on the road and safe and stable in the field – the Multidrive not only expands the working area of operators but also enables them to work in a wider range of conditions and terrains.

Proven power packs
Multidrive machines feature proven and reliable power units. Multidrive features a Tier-4 compliant 6.7ltr Cummins diesel engine which delivers an 19% increase in power, 20% boost in torque and a reduction in fuel consumption of 8%.

Better on the road
Drive at speeds of up to 50km/h on the road, reducing travelling time to and from jobs and creating opportunities to expand your patch. The ride is safe and stable, and fuel costs are lower than that of hydrostatic machines which need more power and more revs to match the speed of a mechanical drive machine.

Enhanced mobility and power efficiency
Heavy-duty front and rear steering axles provide safe and reliable carriage of heavy loads. Strong differentials and four planet hub reduction gears are used, ensuring 95% of the engine power is transmitted reliably to the contact area of the tyre.

Manoeuvrability
A choice of steering modes gives operators the opportunity to adapt the machine to the conditions and task at hand. Dependent on the model these include: 2-wheel, 4-wheel, Delay mode, Crab and Offset steering.
MULTIDRIVE The ULTIMATE all-terrain load carrier
GREATER PRODUCTIVITY

With a sprayer tank capacity of up to 4,000 litres on the M380-4 and 5000 litres on the M420-4 and a maximum payload weight of 10,000kg, there are few machines in the world that can match the raw productive potential of the Multidrive.

Easy to use
With a gentle learning curve, reliable traction and precise intuitive control, there are few machines as sophisticated – yet so simple to master. A straightforward design layout and ergonomic controls enable operators to use the machine with confidence in just a few hours.

Flexibility and self-reliance
Best-in-class hauling capacity enables operators to add complimentary spray bowsers, or haul tele-handlers when using spreader attachments for full self-reliance in the field.

Greater work opportunities
So renowned for its low ground pressure and perfect weight distribution that it has been used in war zones for mine clearance, Multidrive machines reduce damage to fields and crops and enable operators to work in conditions where other machines could not.

Faster and more versatile
The outstanding versatility of the Multidrive and the quick and easy mounting and demounting process enables operators to offer a wider range of services, while 50km/h road transport speeds reduce unproductive time getting to and from jobs.
Enhanced Comfort
Mounted on a state-of-the-art hydraulic suspension system which reduces noise and vibration, McConnel cabs feature an air-suspension KAB seat, advanced sound-proofing and insulation and full climate control.

Active carbon filtration
McConnel keeps you safe with enhanced cab insulation and an active carbon filtration system that protects you from contamination and enables you to work long hours in the field.

Spacious work environment
Roomy enough for even the tallest operators, both the World Class and Comfort cabs are among the most space efficient in the business and come complete with a generous buddy seat, room for multiple displays, and document storage.

Enhanced precision
Equipped with an innovative floating console which moves alongside the seat to prevent fatigue and enhance precision, McConnel’s cabs also feature the latest in joystick, GPS and multi-function steering technology, putting the full functionality at your fingertips.

McConnel has developed next-generation cab technology that ensures you can work longer, safer, and more productively, and has even developed a Comfort forward-control cab for those seeking the very best in comfort and visibility.

UNRIVALLED
COMFORT, VISIBILITY & SPACE
# MULTIDRIVE M380-4 & M420-4

The M380-4 and M420-4 feature a Tier-4 compliant Cummins diesel engine that delivers a 19% boost in power, a 20% increase in torque and a reduction in fuel consumption of around 8%.

## MULTIDRIVE M380-4

<table>
<thead>
<tr>
<th>Component</th>
<th>M380-4</th>
<th>M420-4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chassis</strong></td>
<td>3.8 and 4.2 metre wheel base</td>
<td>Purpose built ladder type with DOMEX high tensile steel C-Sections &amp; Bolted cross members</td>
</tr>
<tr>
<td><strong>Engine</strong></td>
<td>Cummins 225hp QSB6.7 litre 225 hp/168 kw @ 2300 r.p.m</td>
<td>Peak power 230hp (172kW) @ 2,000 r.p.m 949ft/lbs @ 1900 r.p.m 140 cfm Turbo-charged intercooled air compressor</td>
</tr>
<tr>
<td><strong>Transmission</strong></td>
<td>ZF 6WG-160 fully automatic with torque converter lock-up &amp; manual over-ride</td>
<td>Electrically operated 2/4WD select Front wheel drive disconnect</td>
</tr>
<tr>
<td><strong>Axles</strong></td>
<td>Heavy duty front and rear steering with switch operated differential locks</td>
<td>Planetary reduction hubs and dual circuit power operated multi-plate oil immersed brakes</td>
</tr>
<tr>
<td><strong>Steering</strong></td>
<td>7-function Four-Wheel-Steering system</td>
<td>Road mode 2WS, 4WS, Crab, Delay, Manual, Offset</td>
</tr>
<tr>
<td><strong>Suspension</strong></td>
<td>Articul-air suspension system with front &amp; rear self-levelling air suspension</td>
<td>A-frame trailing arm front and H-frame trailing arm rear Heavy duty shock absorbers</td>
</tr>
<tr>
<td><strong>Hydraulic system</strong></td>
<td>Hydraulic PTO flow control system with in-cab electronic control Load sensing 45cc + 33cc gear pump, PTO output with in-cab controls</td>
<td>Side mounted oil tank with filter &amp; gauge</td>
</tr>
<tr>
<td><strong>Cab</strong></td>
<td>World series mid-mounted cab with all-round tinted glass for panoramic vision</td>
<td>Adjustable steering column MCU TFT instrument display and control system</td>
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<tr>
<td></td>
<td>Climate controlled air conditioning</td>
<td>Digital dash instrument display Control console for implement control gear</td>
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<tr>
<td></td>
<td>DAB Stereo/CD player with Bluetooth</td>
<td>Buddy seat</td>
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<tr>
<td></td>
<td>KAB suspension seat with lap belt &amp; arm rests</td>
<td>Large electric side mirrors with adjustable arms Work lights</td>
</tr>
<tr>
<td><strong>Additional</strong></td>
<td>Stainless steel exhaust pipe</td>
<td>Aerolite twin LED flashing beacon Wide/Deep anti-slip access steps</td>
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<tr>
<td></td>
<td>300 litre side mounted fuel tank</td>
<td>KAB air-suspension seat</td>
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<tr>
<td></td>
<td>Front &amp; rear road lights</td>
<td>Automatic reversing camera with night vision Nose camera</td>
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<tr>
<td><strong>Tyre &amp; fixed center wheels</strong></td>
<td>Michelin Multibib 540/65 R30 Michelin Axibib 620/75 R30 Michelin Axibib 650/75 R30 Michelin MacWibb 710/95 R80</td>
<td>Alliance 385 18.4 R34 Michelin Multibib 600/65 R34 Kleber Super 3 300/95 R46</td>
</tr>
<tr>
<td><strong>Optional equipment</strong></td>
<td>Upgraded hydraulic systems and oil coolers</td>
<td>Instrument mounting bracket – in cab Carbon cab filters (in lieu of standard card filters) Galvanized chassis finish</td>
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<tr>
<td></td>
<td>Additional hydraulic spool valves</td>
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<tr>
<td></td>
<td>Range of strawbars or hydraulic pick-up hitches</td>
<td></td>
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<tr>
<td></td>
<td>Hydraulic and/or air trailer brake systems</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Alternative mudguards to suit particular wheels &amp; tyres</td>
<td></td>
</tr>
<tr>
<td><strong>Load capacity</strong></td>
<td>10,000kg including implement &amp; product</td>
<td>18,000kg Hauling Capacity</td>
</tr>
<tr>
<td><strong>Road speed</strong></td>
<td>50 k.p.h maximum</td>
<td></td>
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</tbody>
</table>
SALES, SERVICE AND SUPPORT

McConnel customers can count on world-class sales support with specialist advice direct from the manufacturer, one-to-one consultations with experienced sales professionals and expert guidance on creating new machines to precise personal specifications.

Product support

We pride ourselves on delivering exceptional after-care support for Multidrive – offering a comprehensive range of parts and a highly experienced team of service professionals with nationwide coverage.
Before you go, don’t forget the facts: The Multidrive is a versatile and robust, multi-purpose load carrier with positive mechanical drive that sets new standards for performance, traction and comfort.

**Personal approach**

At McConnel every machine is hand built. Our personal approach allows almost everything to be customised to individual specifications – from the repositioning of filters to upgrades and modifications.

1. Unrivalled traction
2. Enhanced comfort
3. Superior hauling capacity
4. 50km/h transport speed
5. Enhanced safety
6. Impressive height clearance
7. Low ground pressure
8. Greater control
9. Easy to use
10. Unrivalled versatility
Please note: due to continual product development, the information in this brochure is subject to change at any time. McConnel Limited assumes no responsibility for any inaccuracies, errors or omissions and reserves the right to change specifications without notice. June 2019.