

DELTATRACK » 450-550 hp

VERSATILE



~ VERSATILE DELTATRACK ~

The Versatile DeltaTrack is a fully integrated purpose built four track system from Versatile. Available in three models 450DT, 500DT, 550DT, the DeltaTrack exceeds the performance and durability existing track systems. The track systems uses the proven Versatile outboard planetary system to maximize power to the ground. Four independent tracks maintain balance and provide constant contact with the ground. The DeltaTrack is built using the most advanced track design in the agriculture industry and features with proven Cummins engine technology, rugged CAT powershift transmissions, and legendary Versatile reliability and serviceability.





TABLE OF CONTENTS

4 POWERTRAIN

5 ENGINE AND TRANSMISSION

6 UNDERCARRIAGE SYSTEM

7 TRACK SYSTEM

9 HITCH AND DRAWBAR / HYDRAULICS

10 HQ CAB

14 FEATURES

16 CONTROLS

18 WARRANTY » PARTS & SERVICE

19 SPECIFICATIONS

20 VERSATILE FINANCE

GROUND-BREAKING POWER



POWERTRAIN

The Versatile DeltaTrack was designed to exceed the performance of existing agricultural track machines. Combining a powerful 15-litre Cummins engine and a smooth shifting 16 x 4 CAT powershift transmission, the DeltaTrack's powertrain outperforms the competition. Designed as a fully integrated track machine the DeltaTrack is the most advanced track tractor on the market today.



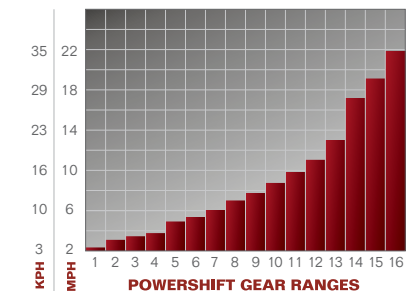
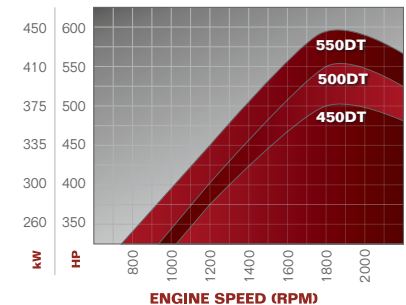
QSX15 CUMMINS ENGINE

The DeltaTrack uses a responsive QSX 15-litre Cummins engine. The unmatched engine displacement and Cummins VGT (Variable Geometry Turbo) help produce excellent torque response and pulling power. Using iT4 Cummins EGR (Exhaust Gas Recirculation) and DPF (Diesel Particulate Filter) engine technology the DeltaTrack does not require an any urea additive for exhaust treatment.



CAT® TRANSMISSION

The DeltaTrack uses the heavy duty CAT TA22 powershift transmission. 16 forward and four reverse gears shift seamlessly under load to create a more comfortable operating environment. A large selection of working gears is available to match almost any application. The TA22 is fully programmable for autoshift and speed matching. Capable of road speeds up to 22 mph, the DeltaTrack moves between fields efficiently.



DELTATRACK UNDERCARRIAGE SYSTEM

Developed in partnership with Camoplast, the DeltaTrack is the most advanced undercarriage in the industry and was designed for longevity of the system and extended track life. The DeltaTrack offers superior torque transfer and excellent serviceability.

UNDERCARRIAGE MOUNTING

The DeltaTrack has an integrated axle mounting system and reinforced connection to the frame of

the tractor. The frame absorbs stress from each track to increase track system life and reduce maintenance requirements.



WEIGHT DISTRIBUTION

The steel saddle fuel tanks help the DeltaTrack maintain an even 50/50 weight distribution left to right regardless of fuel level. A crossover tube carries fuel from side to side to maintain even fuel distribution. The tanks are mounted as to not affect the front to rear weight ratio.

VERSATILE OUTBOARD PLANETARY

The DeltaTrack drivetrain maintains the Versatile outboard planetary system. The outboard planetaries drives power directly above the bogies to maintain equal torque to each track unit. This minimizes the impact of power transfer being disrupted while turning and reduces torque loss, making it easier to turn sharply with large implements and heavy loads.





TRACK SYSTEM

The DeltaTrack uses a positive drive system to reduced wear, friction and heat. Track slippage is eliminated by interlocking track lugs into the drive wheel. The DeltaTrack keeps 4.6 lugs engaged with the drive wheel at all times to eliminate slippage between the track and drive wheel. The DeltaTrack uses the largest drive lugs (8-1/2") in the industry to maximize operating life.

DRIVE SPROCKET

A large 80.7° single piece cast drive sprocket provides a larger wrap angle than competitive track units to help increase track life.

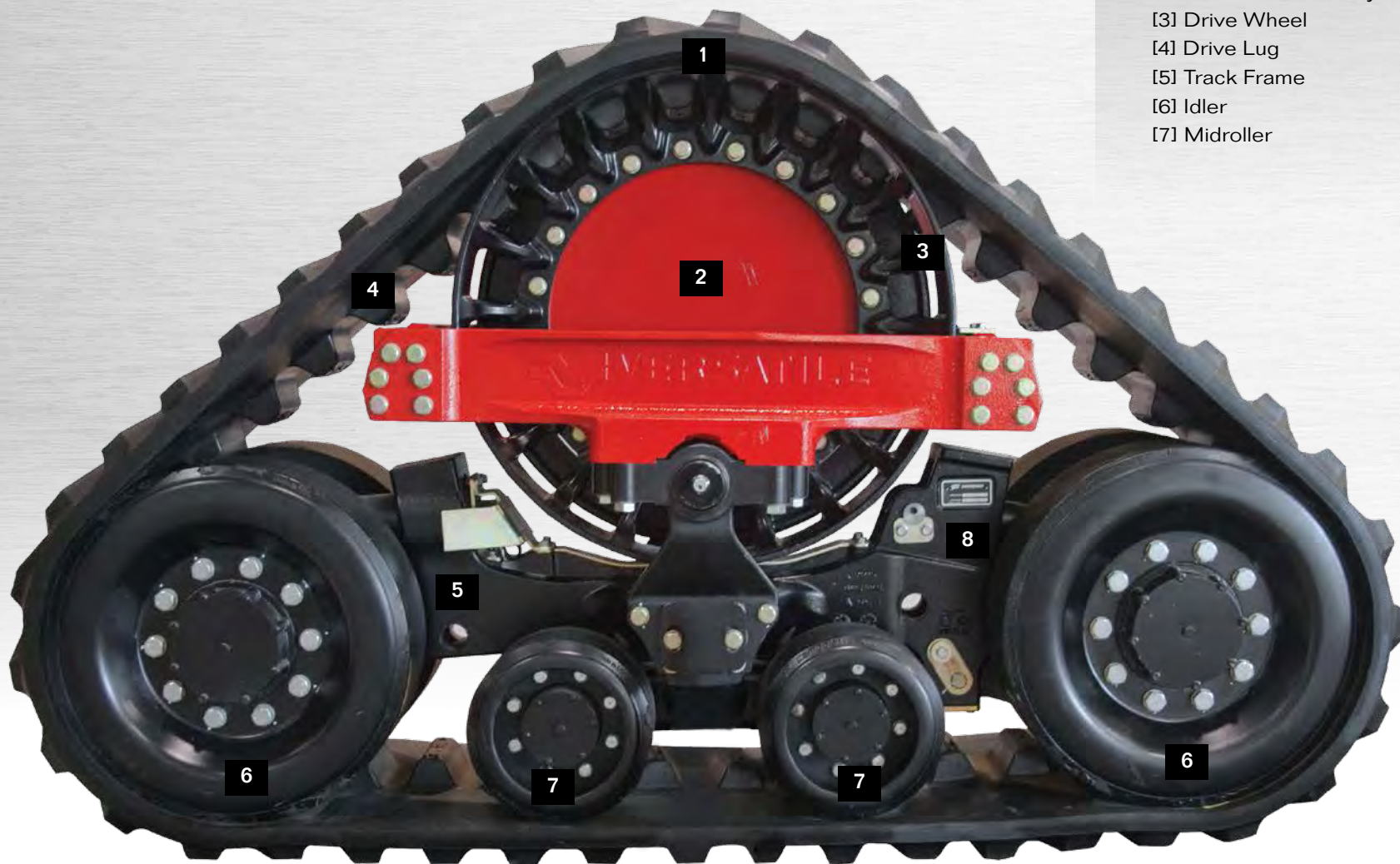
IDLER WHEELS

The large idler wheels used on the DeltaTrack improve the approach angle to reduce the risk of "submarining" in muddy conditions. The large idler wheels and track angle help reduce the tracks horsepower requirements.

MIDROLLERS

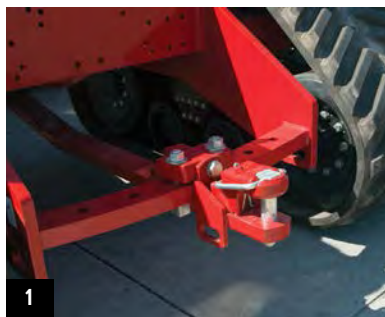
The large midrollers on the DeltaTrack system are not directly inline with axle or drive system components to improve the ride and service life of the tractor. Polyurethane coating dramatically reduces midroller wear and maintenance requirements compared to competitive rubber midrollers.

- [1] Driver Wrap
- [2] Outboard Planetary Drive
- [3] Drive Wheel
- [4] Drive Lug
- [5] Track Frame
- [6] Idler
- [7] Midroller



DOUBLE AXIS BOGIE

Two way oscillation provides better weight transfer and reduces shock loading. Reduced vibrations and frame stress increase operator comfort. The DeltaTrack double axis bogie system also offers a better ride over a variety of obstacles.



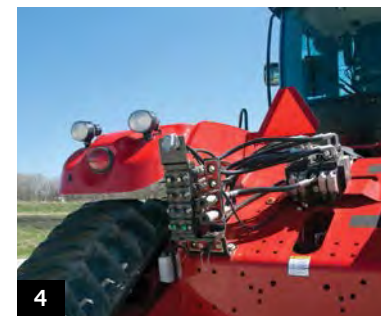
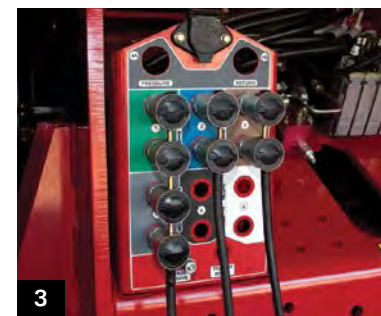
Electro-hydraulics, available on all models, are ergonomically designed for both comfort and convenience. Finger-tip controls manage the hydraulic functions and hydraulic flow is increased and decreased using the EHR monitor.

[1] The standard drawbar can move from side to side or be locked in place.

[2] DeltaTrack models feature a 3.15" (80 mm) pivot pin.

[3,4] A total hydraulic flow of 55 GPM (208 L/min) is standard, or 113 GPM (428 L/min) with the optional high flow hydraulic system.

Four remote valves are standard, six optional.



A detailed view of the operator's cab interior of a John Deere 10 Series machine. The cab features a black steering wheel, a dashboard with a digital display, and a control panel with various levers and buttons. A large, adjustable work light is mounted on the left side of the cab. The floor is covered with a black, textured mat. The seats are upholstered in a dark, patterned fabric. The background shows a dirt surface, indicating the machine is in a construction or agricultural setting.

**RUGGED & RELIABLE
RESTYLED**



IMPROVED STANDARD CAB OFFERING

The DeltaTrack takes advantage of the class leading Versatile HQ Cab. With over 85 sq. ft. of viewable window glass the HQ Cab provides a panoramic view of your fields. A seat mounted right-hand console gives you fingertip control over the entire tractor to help reduce operator fatigue. A semi-active air-ride suspension seat is standard and the HQ Cab also offers a large training seat.

DELUXE CAB

The new Deluxe Cab is a high-end full-featured cab that provides the operator with every imaginable comfort for long working days. A semi-active air-ride suspension seat and the training seat are both standard in this configuration. In addition to the connectivity options available in the standard cab, the Deluxe Cab has an 110v AC power outlet and a 5-volt integrated USB port. A subwoofer is also standard to improve sound quality in the cab.

VENTS

Large multi-directional vents optimize comfort and help create an ideal cab environment.

RADIO

A conveniently located stereo and high quality sound system help make long days in the cab more enjoyable.

CONVENIENCE

Four cup holders are standard. The cab also has coat hooks to keep the cab clean and organized.

OPERATOR SEAT

The operator seat has a 104° swivel range to maximize visibility when towing implements. Air ride suspension and a heated seat are standard in the Deluxe Cab.





WORK LIGHTS

For low-light working conditions, Versatile tractors are equipped with fourteen standard worklights mounted on the grille, front fenders, rear fenders and cab.

For additional safety, rotating magnetic roof-mounted beacon lights are also available (standard on Deluxe cab).



HID LIGHTING

There are never enough hours in the day so light your way with HID. These lights provide up to ten times more light than conventional headlights.

The HID light package replaces four of the standard halogen work lamps with field illuminating HID lights, one on each fender and two headlights on the grille.

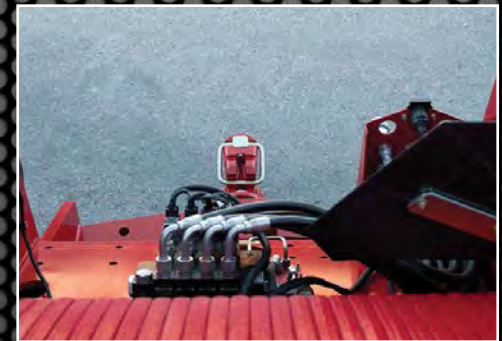




VISIBILITY

A narrow compact front console increases forward visibility and operator comfort.

A 14% increase in glass area and improved mirror positioning give you a 360° of your field.



REAR VIEW

Enjoy a clear view from the seat of your cab. There is a clear sightline to the drawbar when attaching implements.



1. Programmable Display Monitor
2. Powershift Transmission Control Lever
3. Headland Management
4. Cruise Control
5. Hand throttle control lever
6. Hand rest
7. Four standard Electro-Hydraulic Valves
8. Optional six Electro-Hydraulic Valves

9. Auto-Steer
10. Front and Rear Wiper/Washer system
11. Lighting package controls
12. Diff-Lock
13. Reversible Fan
14. Arm Rest
15. Additional controls, depending on optional equipment (additional headland management, 3-point hitch control)
16. Storage area



CONTROLS

Versatile tractors are designed to maintain a comfortable working environment for extended periods of time. By creating an integrated right hand control console, available with the powershift transmission, Versatile puts command of the tractor at your fingertips.

The console moves with the seat so you always have control of your equipment. The arm rest and molded hand rest provide an ergonomic solution with operating the tractor. Additional storage space is available under the arm rest.



MONITOR

A 7" high-resolution monitor is standard with EHR controls. The monitor can be programmed to display your hydraulic settings for quick reference. The monitor can also support up to four external cameras. The display is mounted using a shock absorbing suspension and is "sunshine-readable".



DASH DISPLAY

A programmable center high-resolution display provides readouts on; transmission functions, engine functions, field monitoring and basic tractor functions. RPM, speed, temperature and fuel are all displayed on simple to read analog gauges.



EHR CONTROLS

Electro-hydraulics are available in a four-valve set up and an optional six-valve configuration. All DeltaTracks are equipped with the monitor and EHR.



POWERSHIFT LEVER

A four-function powershift lever gives you quick control over forward, reverse, upshift and downshift functions, eliminating the need for a clutch pedal.



THROTTLE

A simple responsive hand throttle helps you set your RPMs where you need them for various field-work.

SERVICE

There are never enough hours in the day and every minute counts. That's why all Versatile tractors are designed with easy serviceability in mind. Routine service can extend the life of your tractor, minimize downtime and lower your operating costs.

DAILY MAINTENANCE

Daily maintenance is made easy with improved access to all fill and grease points. The hydraulic and fuel sight gauges are visible from the ground without opening side panels or removing any shields. The gullwing-style side panels open wide to provide excellent service access to all under-hood components.

FUELING

Refueling can easily be accomplished from either side of the tractor. A crossover tube allows both tanks to be filled quickly and with a capacity of 475 U.S. gallons (1800 L) you'll have many hours in the field before stopping for fuel.

AXLE SERVICING

The Versatile outboard planetary axle system is known for its ease of service. Planetary axle covers can be removed from the tractor without removing the entire undercarriage assembly, limiting the amount of time needed for routine maintenance.

AIR CLEANER ASSEMBLY

A dry element air filter is easily accessed and removed when it needs to be replaced.

A right hand ladder gives you access to the engine air cleaner for quick servicing. The ladder also helps with right side fueling and provides access to the egress door and folds up and out of the way when not in use.



The DeltaTrack was designed using the legendary Versatile outboard planetary system. In addition to doing a better job of putting power to the ground the outboard planetary is far easier to service than competitive inboard units. Removing the planetary cover exposes the planetary gears and sun gear for easy access.



GRILLE ACCESS

The front grille swings open to provide ground level service access to the condenser/cooler package. The cooler and condenser package swings open for service access. A reversible fan is optional on all models to increase efficiency and provide quick cleanout.

The batteries are also located behind the grille at ground level and a shut off switch is standard for safety, winter storage and to prevent against theft.



OWNERSHIP BENEFITS

Investing in equipment for your farming operation is an important decision and a long-term commitment. The Versatile 3-year / 3000-hour powertrain warranty ensures an excellent ownership experience. Your Versatile dealer has access to our dealer service support system, including a wide base of knowledge on current and past Versatile models and expansive parts inventory.



WARRANTY

Original Parts and Components - 2-year/2000 hour

All Versatile manufactured original parts and components will be repaired or replaced as covered by the warranty if they are not free from defects in materials and workmanship.

Drivetrain - 3-year/3000 hour warranty

DeltaTrack drivetrain components including rotating track undercarriage components are covered for 3-years or 3000 hours. (Elastomeric components are assessed on a prorated basis)

Track - 4-year/2500 hour

Track warranty is assessed on a prorated basis for 4 years or 2500 hours.

PARTS & SERVICE

Versatile dealers have access to an extensive parts supply that is well stocked with the parts for routine scheduled maintenance. Versatile maintains an extensive parts supply for tractors dating back more than 20 years. Your Versatile dealer has factory-trained technicians that can handle everything from routine scheduled maintenance to major service and overhauls.

	450DT	500DT	550DT
ENGINE			
Engine type	Cummins QSX15	Cummins QSX15	Cummins QSX15
Aspiration	Turbocharged & air-to-air aftercooled	Turbocharged & air-to-air aftercooled	Turbocharged & air-to-air aftercooled
Displacement	15-liter	15-liter	15-liter
Horsepower @ 2100 RPM	450 hp (336 kW)	500 hp (373 kW)	550 hp (410 kW)
Power bulge	11% @ 1800 RPM	10% @ 1800 RPM	7% @ 1800 RPM
Peak horsepower	500 hp (373 kW)	550 hp (410 kW)	591 hp (366 kW)
Torque rise	51% @ 1400 RPM	48% @ 1400 RPM	49% @ 1400 RPM
Peak torque	1700 lb-ft (2305 N•m)	1850 lb-ft (2508 N•m)	2050 lb-ft (2779 N•m)
FUEL SYSTEM			
Capacity	475 U.S. gal (1800 L)	475 U.S. gal (1800 L)	475 U.S. gal (1800 L)
Filter	Engine mounted w/water separator	Engine mounted w/water separator	Engine mounted w/water separator
TRANSMISSION			
Powershift transmission	Caterpillar 16 x 4 - 22 mph (35 km/hr) road speed	Caterpillar 16 x 4 - 22 mph (35 km/hr) road speed	Caterpillar 16 x 4 - 22 mph (35 km/hr) road speed
AXLES			
Construction	Heavy-duty platesteel	Heavy-duty platesteel	Heavy-duty platesteel
Articulation angle	33°	33°	33°
Oscillation	12°	12°	12°
AXLES			
Versatile Outboard Planetary Axles	Heavy-duty	Heavy-duty	Heavy-duty
Differential Lock	Optional	Optional	Optional
Brakes	Dual dry caliper	Dual dry caliper	Dual dry caliper
Wheelbase	154" (3900 mm)	154" (3900 mm)	154" (3900 mm)
HYDRAULICS			
Hydraulic type	Closed Center Load Sensing System	Closed Center Load Sensing System	Closed Center Load Sensing System
Standard flow @ rated engine speed	53 GPM (201 L/min)	53 GPM (201 L/min)	53 GPM (201 L/min)
High Flow hydraulic system @ rated engine speed	106 GPM (401 L/min)	106 GPM (401 L/min)	106 GPM (401 L/min)
Hydraulic remotes	4 standard, 6 optional	4 standard, 6 optional	4 standard, 6 optional
Maximum system pressure	2900 PSI (197 bar)	2900 PSI (197 bar)	2900 PSI (197 bar)
ELECTRICAL SYSTEM			
Alternator	12V - 200 amps	12V - 200 amps	12V - 200 amps
Batteries	3-12V, 950 CCA ea.	3-12V, 950 CCA ea.	3-12V, 950 CCA ea.
HID lighting / Power mirrors	Optional / Optional	Optional / Optional	Optional / Optional
DRAWBAR			
Vertical load rating	9,000 lb (4,082 kg)	9,000 lb (4,082 kg)	9,000 lb (4,082 kg)
Vertical load rating w/heavy-duty drawbar support	12,000 lb (5,443 kg)	12,000 lb (5,443 kg)	12,000 lb (5,443 kg)
Hitch pin diameter (w/auto drop)	2" (51 mm)	2" (51 mm)	2" (51 mm)
3-point hitch	n/a	n/a	n/a
CAB			
Volume	175.5 cu. ft. (4.97 cu. m)	175.5 cu. ft. (4.97 cu. m)	175.5 cu. ft. (4.97 cu. m)
Glass	85.9 sq. ft. (7.98 sq. m)	85.9 sq. ft. (8 sq. m)	85.9 sq. ft. (8 sq. m)
WEIGHTS			
Base tractor weight*	58,850 lb (26,694 kg)	58,850 lb (26,694 kg)	58,850 lb (26,694 kg)
Maximum operating weight	61,300 lb (27,805 kg)	61,300 lb (27,805 kg)	61,300 lb (27,805 kg)

*A base tractor is considered to have a standard drawbar, no fuel, no operator, no special added equipment and no ballast.



Now you can purchase or lease your tractor with competitive rates through Versatile Finance. Versatile has partnered with one of the foremost leaders in agricultural financial services to provide attractive interest rates and fast acceptance to get you the equipment you need when you need it. Ask your dealer about the credit options available with Versatile Finance.



1260 Clarence Avenue » Winnipeg, Manitoba » Canada R3T 1T2
Telephone: 204.661.8711 » Fax: 204.654.2503 » Toll Free: 888.524.1003 » E-mail: info@versatile-ag.com » www.versatile-ag.com

©2013 Buhler Versatile Inc. All Rights Reserved. Printed in Canada. Ref: 0820135000 LM P/N 89002321

Illustrations, photographs and specifications in this brochure are based on the latest information at the time of publication. Design and specification of equipment is subject to change without notice; please contact your local dealer for product information and availability. Products produced by other manufacturers featured in photography are not endorsed by Buhler Versatile Inc. and are intended for image reference only.