

Challenger

LEADS
every
FIELD

MT700E & MT800E Series Track Tractors
MT755E | MT765E | MT775E | MT845E | MT855E | MT865E | MT875E



Challenger

When you farm in the world's most demanding environments, it takes a strong will and equally uncompromising equipment to get the job done. At Challenger®, we understand this. So we designed an entire lineup of machines powerful enough to tackle the widest fields, steepest hills and tightest planting and harvesting windows. Take advantage of our leading-edge precision ag solutions to transform your enterprise with reduced input costs, greater efficiency and profitability. And behind every Challenger machine, you'll find an authorized dealer who's prepared to make downtime history.





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Tread

POWERFULLY

If you're considering a track machine, why not start with the company that invented them? Our engineers simply have no "power off" switch when it comes to manufacturing the ultimate track tractor. The entire design of the MT700E/MT800E Series rotates around our much imitated but never duplicated Mobil-trac system. Oscillating midwheels maintain constant ground contact for unbeatable traction and a ride quality to spoil the toughest farmer.

Our MT700E/MT800E Series machines are fueled by the latest crop of AGCO POWER engines – packing more torque-driven brawn than ever before. Harness the only engines within the industry designed solely for the demands of agricultural applications. Whether your machine comes equipped with the AGCO POWER 98 or 168, nothing comes close when you need to power through the toughest tillage applications without losing speed or torque. The crop will never know what hit it.





MT700E Series

UP TO
400
ENGINE HP

MT800E Series

UP TO
590
ENGINE HP





Choose **YOUR WEAPON** Wisely

Every field has its own rules. That's why Challenger gives you the right tools to be king of yours. The MT700E and MT800E Series tractors are born ready with an incredible range of horsepower options for the flexibility to take anything to task. You're looking at the most versatile track lineup in the industry – a large stable of torque workhorses ready to work for you.

| Model | Engine | Engine HP (kW) | PTO HP (kW) |
|--------|-----------------|----------------|-------------|
| MT755E | AGCO POWER 9.8L | 350 (261) | 284 (212) |
| MT765E | AGCO POWER 9.8L | 375 (280) | 309 (230) |
| MT775E | AGCO POWER 9.8L | 400 (298) | 334 (249) |

| Model | Engine | Engine HP (kW) | PTO HP (kW) |
|--------|------------------|----------------|-------------|
| MT845E | AGCO POWER 16.8L | 450 (336) | 365 (272) |
| MT855E | AGCO POWER 16.8L | 490 (365) | 400 (298) |
| MT865E | AGCO POWER 16.8L | 540 (403) | 425 (316) |
| MT875E | AGCO POWER 16.8L | 590 (440) | 425 (316) |

TORQUE THAT RISES

to the

OCCASION

The new AGCO POWER engines beneath the hood of the MT700E and MT800E Series should be graded on a curve – their superior torque curve, that is. By generating a greater torque rise over a wider range of RPMs, you get unmatched lugging ability for maximum productivity. Abandon the need to downshift or pull an implement out of the ground should the going get tough. With a higher sustained torque curve, you'll operate at lower RPMs to save on fuel while extending engine life.

How is this possible? Because all AGCO POWER engines are specifically designed from the ground up for ag applications – not retrofitted from an on-highway engine. Whether you arm yourself with the AGCO POWER 98 or 168 of work-downsizing torque, you'll cover more ground in less time so you'll never find yourself racing to beat sundown.

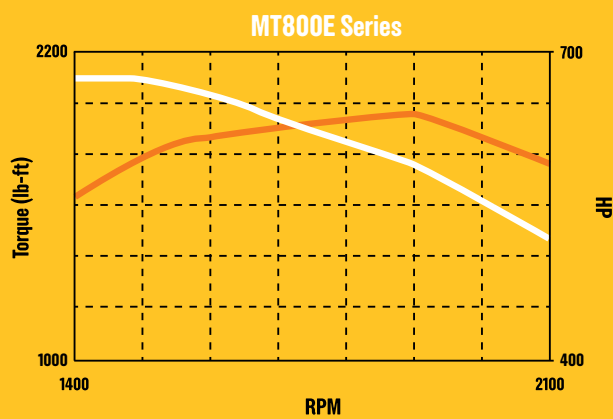
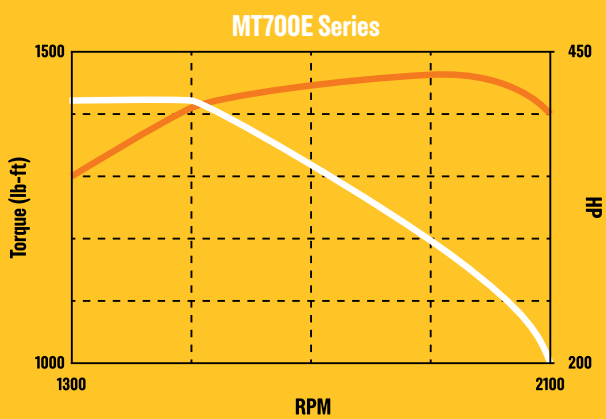
New AGCO POWER 98 or 168 engines deliver more horsepower and greater efficiency.

- New turbocharger packages provide excellent engine response and high torque at all engine RPMs
- Hits the power sweet spot for maximum efficiency
- Impressively long, flat torque curve and high torque rise at low RPMs
- Massive pulling power with minimal fuel consumption
- Backed by more than five years of rigorous field testing



A long, flat, sustainable torque curve means serious lugging ability. Power through tough spots without stalling. High torque at lower RPMs equals better productivity and efficiency.

— Engine Power
— Engine Torque





Power to the ground.

WE INVENTED IT.

Power under the hood is one thing. But the new MT700E and MT800E Series also feature our patented Mobil-trac system that redefines the meaning of power to the ground. Unlike some competitors who simply retrofit their wheel tractors with tracks, we engineered these tractors from the ground up to be track machines – ballasted correctly from the start to ensure a better ride and more efficient transfer of power.



But there's much more than brute power at play here. Comfort becomes critical when putting in a long day in the field. The Mobil-trac system delivers the most comfortable ride in the industry with Marsh Mellow® springs that compress and expand to allow the hardbar to oscillate freely. This reduction in vibration delivers a ride that's far more comfortable than competitive air-bag suspension systems.

High-tech Marsh Mellow springs significantly reduce vibration for a smoother ride



PATENTED OSCILLATING MIDWHEELS

- Maximum track to ground contact for improved traction
- Reduced compaction for better yields

FRICTION DRIVE SYSTEM

- Large diameter rear wheel drive supplies ample power
- No additional power required for excellent ride and reduced slip

TRACKS

- Available gauge settings from 72"-160" and eight-track widths
- MT700E – 14"-34" track offerings, 2 versions w/ chevron design
- MT800E – 18"-36" track offerings, 2 versions w/ chevron design



Tough POWER BROKER

IN-LINE DRIVETRAIN

The shortest path between two points is a straight line. It's also the quickest way to knock out a full day's work. Challenger's in-line drivetrain design takes the crown for efficient transfer of power using no drop boxes. With a more direct path from the engine to the transmission than competitors, minimal power is lost from the drivetrain to the driving tracks. The result is unbeatable power to the ground.

It starts with a system where the whole is greater than the sum of its parts. But we begin with some hard-hitting parts: an AGCO POWER engine designed from the ground up for agricultural use, a tried-and-true CAT transmission and our unique Mobil-trac system. As the original designer of the track tractor, we build upon the best design out there and keep our lead by continuing to improve it.

CAT POWERSHIFT TRANSMISSION

The MT700E and MT800E Series approach to power delivery is all about smooth moves. With new CAT Powershift software, you'll immediately take notice of smoother shifting. The results are less restriction for preserved forward momentum and reduced power loss. Not only is this more efficient, but it improves the ride for less wear on the most important part of the tractor – the operator.

- Simple intuitive transmission control lever with up/down shift buttons
- Exclusive Power Management automatically shifts gears to maintain ground speed and minimize fuel consumption
- 16 Forward gears provide up to 25 MPH to minimize transport time




In-line frame design maximizes total efficiency of power transfer from the engine to the transmission for unmatched power to the ground.

Put Inefficiency Under **SERIOUS PRESSURE**

When it comes to hydraulics, Challenger steps up to today's demanding applications by greatly increasing your flow capacity. The MT700E and MT800E Series make it easier to get work done with a hydraulics system built for today's demanding jobs like air seeders and planters. It starts with a design built around two pumps. The second pump kicks in only when the going gets tough, keeping the system efficient. At up to 85 gallons per minute flow, there's enough pump capacity to handle the most demanding hydraulically powered tools.

Take advantage of up to 6 hydraulic remotes plus an available 3-point hitch. The MT700E and MT800E Series also come well-equipped with a closed-center, load-sensing, pressure-flow compensating (PFC) system and interchangeable valve couplers. Now that Power Beyond comes standard, everyone has the ability to provide continuous, full flow to implements as large and extreme as air seeders.



 UP TO
85
GAL/MIN
FLOW



**360°
VIEW**



WORKING HARD

never felt

SO GOOD

The MT700E and MT800E Series tractors both feature an ergonomically designed Pinnacle View Cab for a panoramic 360-degree view – putting you on the front row of productivity. Settle into our new deluxe, vented-leather seat that maximizes operator comfort with temperature controls and a wider range of adjustments. Power Management and hydraulic controls are conveniently positioned on the armrest control and radio controls are mounted on the steering wheel assembly – an industry exclusive. As you glide through the field with oscillating midwheels and Marsh Mellow springs under your cab, the air suspension seat beneath you is the icing on the cake to make long days seem not quite so long.



Auto-Guide™ 3000 Advanced offers greater efficiency in the field with satellite-assisted steering with optional touchscreen for best-in-class ease of use



New leather heated and ventilated seat option maximizes operator comfort



Industry-exclusive TMC (Tractor Management Center) armrest puts core functions at the operator's fingertips

EASY does it ALL

When it comes to staying up and running, the Challenger MT700E and MT800E Series tractors perform as well as the rest as in the field. Every pit stop is a breeze with an easy-to-open hood. From air filter to oil dipstick, it's all within reach. With a new two-plane design, the updated cooling package is easy to clean. Simply pivot the front plane out of the way to remove debris from the second plane containing the radiator.

Five easy-to-access service points turn maintenance inspections into an easy routine instead of a time-consuming chore. For quick fixes, use the optional air compressor to power pneumatic tools, clean out sprayer nozzles and inflate tires. You wear a lot of hats on your farm, and since one of them is mechanic, simple maintenance of the MT700E/MT800E stays simple.



Engine air filter is easily removed and conveniently positioned



Engine cooling package with easy-to-clean two-plane design



Engine oil can be checked and topped from ground level





FUSE[™]
TECHNOLOGIES

INCREASE YOUR YIELD

with precision technology

FUSE TECHNOLOGIES

AGCO's global precision farming initiative brings together and optimizes all of AGCO's current and future technology products and services including guidance, steering, telematics, diagnostics, application controls, yield metering, mobile apps and grain storage monitoring. Fuse Technologies supports growers throughout the entire crop cycle by maximizing uptime and putting all farm assets in the right place at the right time. Learn more at www.AGCOtechnologies.com.

AGCOMMAND®

AGCO's AgCommand is an industry-leading tool that allows wireless transfer of your vehicle data back to your office or mobile device. Access everything you need to optimize performance, monitor vehicle service intervals, monitor operating costs and generate easy-to-use information to drive efficiency and productivity. AgCommand's GNSS (Global Navigation Satellite System)

applications tell you where your machines are and what they're doing – putting you in complete control like never before. The data is transferred to a secure internet site that can be viewed from your laptop, iOS phone or iOS tablet.

Track your equipment and data from your smart devices



AUTO-GUIDE 3000

Auto-Guide 3000 is a complete, integrated autosteering system that works seamlessly with your AGCO vehicle terminal. It uses advanced satellite navigation and the TMC Display to steer the tractor, removing much of the tedium of field operations and leaving the operator free to focus their attention on optimizing settings and monitoring work more closely. This highly advanced but simple-to-use system will help you reduce input costs as well as operator fatigue. At the end of the day, significantly reduced operator fatigue equals increased accuracy and greater efficiency on the farm.



FUSE CONTACT CENTER

The Global Fuse Contact Center is a customer support resource open seven days a week that assists growers with setup, calibration and operational support on AGCO precision agriculture and machine communication technology products. Visit www.AGCOtechnologies.com/support for more information or call 1-(877) 525-4384.

Downtime has MET ITS MATCH

It's a farmer's worst enemy. That's why every Challenger tractor comes with a dealer network fully prepared to take it out of the picture. Count on us during critical planting, harvesting and spraying periods with emergency parts drops and extended hours. Maximize uptime with an industry-leading parts warranty and factory-trained technicians who work as hard at preventing problems as they do repairing them.

When you buy a Challenger tractor, you're buying more than a piece of farm equipment. You're buying the peace of mind that comes from a job well done, and a machine well built. Take a closer look at the MT700E/MT800E Series at your local Challenger dealership, and you'll see that – down to the smallest detail – it's built to the highest standards.

DEALERS AND SERVICE: ABOVE AND BEYOND

For 365 days a year, day and night, under the most adverse conditions, our dealer network keeps North

America's agribusiness in motion. Our dealers are second to none in on-location service. With more mobile service trucks loaded with more diagnostic equipment than most repair shops, it's little wonder the army of Challenger loyalists continues to grow. Combine this quality service with AGCO's 24-hour-a-day parts network and you get the gold standard in dealer support.

CHALLENGER FINANCING

Use AGCO Plus+ Commercial Customer Credit to make your finances run just as smoothly as your Challenger. Get all the solutions, support and flexibility you need to reach your goals. AGCO Plus+ gives you the ability to proactively manage your cash flow throughout the year, from handling an in-season repair to taking advantage of off-season preventative care.

⌂ 24 HOURS/
DAY 📅 365 DAYS/
YEAR





PROTECH

**NOW OUR SERVICE
CONTRACTS COME
WITH MORE
HORSEPOWER**

Buy or lease any qualifying Challenger tractor or combine and get one of the following ProTech extended service contracts for a small fee that pays big returns in prolonging the life of your tractor. Talk to your dealer today to learn more.

- 4-year/4,000-hour Powertrain Essential ESC with a \$250 deductible
- 2-year/2,000-hour Enhanced ESC Program with \$0 deductible, includes Travel Allowance Coverage



CHALLENGER MERCHANDISE

Visit us online at ShopChallenger.com for a complete showcase of all the best Challenger gear. Just like your farm, our site has seasonal changes so there's always something new.

PARTS that make the **FARM WHOLE**

POD: PARTS ON DEMAND

For growers who prefer to perform routine maintenance conveniently on their own farm, Parts On Demand makes the job easy. Get the parts you need, when you need them. Rely on your dealer to provide a list of key parts to keep your Challenger up and running.



PM360: PREVENTATIVE MAINTENANCE PROGRAM

Reduce expensive and stressful repairs by completing preventative maintenance on a timetable that's convenient for you. AGCO Parts' PM360 Preventative Maintenance Program is there to help you head off problems before they begin. Your AGCO dealer will help you create a customized care plan to extend the life of all your equipment, for peace of mind and higher residual value on your equipment when it's time to trade up. PM360 also incorporates AGCO's warranty policy, which covers one year on parts and six months on labor for dealer-installed parts.

AGCO PARTS GENUINE CARE SERVICE AGREEMENT

For customized service agreements on key intervals, AGCO Parts Genuine Care Service Agreement is the turn-key program you need. Ask about it when you purchase equipment and simply wrap this groundbreaking benefit into the financing of your new machine.

MT700E Series
 MT755E | MT765E | MT775E

| MODELS | MT755E | MT765E | MT775E |
|--|--|---------------------|---------------------|
| ENGINE | | | |
| Type | AGCO POWER™ 9.8L | AGCO POWER™ 9.8L | AGCO POWER™ 9.8L |
| ISO Engine @ 2100 rated RPM's – HP (kW) | 350 (261) | 375 (280) | 400 (298) |
| Maximum ISO Engine @ 1900 rated RPM's – HP (kW) | 378 (282) | 405 (302) | 431 (322) |
| Peak Torque @ 1500 RPM's - Ft Lbs (Nm) | 1,243 (1,685) | 1,334 (1,808) | 1,417 (1,921) |
| Engine Torque Rise | 42% | 42% | 42% |
| Number of Cylinders / Number of Valves | 7 / 28 | 7 / 28 | 7 / 28 |
| Displacement – L (CID) | 9.8 (598) | 9.8 (598) | 9.8 (598) |
| Aspiration | Twin Turbo Chargers | Twin Turbo Chargers | Twin Turbo Chargers |
| FUEL SYSTEM | | | |
| Fuel Tank Capacity – US gal. (L) | Standard - 174 (659) / Optional - 249 (943) | | |
| DEF SYSTEM | | | |
| DEF Tank Capacity – US gal. (L) | 23 (87) | | |
| TRANSMISSION | | | |
| Type | Caterpillar® Powershift 16F / 4R | | |
| Maximum Speed – mph (kph) | 24.6 (39.6) | | |
| Creep Gear Box (Optional) | 4:1 reduction | | |
| Steering | Caterpillar® Differential Steering | | |
| GAUGE OPTIONS | | | |
| Type | Infinitely adjustable bar axle with smooth hardbar | | |
| Standard / Wide / Ultra Wide – in. (mm) | 72 – 88 (1,829 – 2,235) / 80 – 120 (2,032 – 3,048) / 120 – 160 (3,048 – 4,064) | | |
| TRACK OPTIONS | | | |
| General Ag Tracks – in. (mm) | 16, 18, 25, 30, 34 (405, 455, 635, 760, 864) | | |
| Extreme Application Tracks – in. (mm) | 14, 16, 18, 25, 30, 34 (335, 405, 455, 635, 760, 864) | | |
| Mobil-trac UNDERCARRIAGE | | | |
| Hardbar Suspension | Two Marsh Mellow® Springs | | |
| Undercarriage Suspension | Oscillating Midwheels | | |
| Hardbar Oscillation | Stabilizer Bar with 8° Range of Motion | | |
| INDEPENDENT PTO | | | |
| | 1000 RPM, 20 Spline, 1.75" (45 mm) / Electronically Controlled | | |
| ELECTRICAL SYSTEM | | | |
| Alternators / Batteries | 2 – 150 amp / (2) 1,000 cca 12 V | | |
| HYDRAULIC SYSTEM | | | |
| Type | Closed-Center, Pressure-Flow Compensated | | |
| Std. Pump Flow / Opt. Pump Flow – gpm (L/min) | 58.1 (220) / 85 (321.8) | | |
| Hydraulic Remotes | 4 Standard / up to 6 Optional | | |
| Max Flow at 1 Remote – gpm (L/min) | 26.4 (93.1) Standard / 36 (163.3) Optional | | |
| Maximum System Pressure – psi (bar) | 2,900 (200) | | |
| 3-POINT HITCH / DRAWBAR | | | |
| Std. 3-PT Hitch – lbs. (kg) | Category 3/4N 16,000 (7,257) | | |
| Opt. Wide Swing Drawbar | Roller Type +/- 32° Swing | | |
| Drawbar Capacity (Std. CAT 4/Opt. CAT 3) – lbs. (kg) | 12,000 (5,443) / 10,000 (4,536) | | |
| WEIGHT | | | |
| Approx. Shipping Weight / Maximum Operating Weight – lbs. (kg) | 30,131 (13,667) / 39,000 (17,690) | | |

MT800E Series

MT845E | MT855E | MT865E | MT875E

| MODELS | MT845E | MT855E | MT865E | MT875E |
|---|---|--------------------------|--------------------------|--------------------------|
| ENGINE | | | | |
| Type | AGCO POWER™ 16.8L | AGCO POWER™ 16.8L | AGCO POWER™ 16.8L | AGCO POWER™ 16.8L |
| PTO Power @ rated 2100 RPM's – HP (kW) | 365 (272) | 400 (298) | 425 (316) | 425 (316) |
| ISO Engine @ 2100 rated RPM's – HP (kW) | 450 (336) | 490 (365) | 540 (403) | 590 (440) |
| Standard Maximum Power | 486 (363) | 529 (394) | 583 (435) | 637 (475) |
| Engine Torque Rise | 42% | 42% | 42% | 42% |
| Peak Torque @ 1500 RPM's – Ft Lbs (Nm) | 1,604 (2,176) | 1,740 (2,360) | 1,917 (2,600) | 2,095 (2,841) |
| Number of Cylinders / Number of Valves | 12 / 48 | 12 / 48 | 12 / 48 | 12 / 48 |
| Displacement – L (CID) | 16.8 (1,025) | 16.8 (1,025) | 16.8 (1,025) | 16.8 (1,025) |
| Aspiration | Dual Twin Turbo Chargers | Dual Twin Turbo Chargers | Dual Twin Turbo Chargers | Dual Twin Turbo Chargers |
| FUEL SYSTEM | | | | |
| Fuel Tank Capacity – US gal. (L) | 330 (1,250) | | | |
| DEF SYSTEM | | | | |
| DEF usable tank capacity – US gal. (L) | 30.5 (115) | | | |
| TRANSMISSION | | | | |
| Type | Caterpillar® Powershift 16F / 4R | | | |
| Maximum Speed – mph (kph) | 24.6 (39.6) | | | |
| Steering | Caterpillar® Differential Steering | | | |
| GAUGE OPTIONS | | | | |
| Type | Infinitely adjustable bar axle with smooth hardbar | | | |
| Standard – in. (mm) | 90 - 128 (2,286 - 3,251) | | | |
| TRACK OPTIONS | | | | |
| General Ag Tracks – in. (mm) | 27.5, 30, 36 (698.5, 762, 914) | | | |
| Extreme Application Tracks – in. (mm) | 18, 27.5, 30, 36 (457, 698.5, 762, 914) | | | |
| Special Application Tracks - in. (mm) | 30, 36 (7462, 914) | | | |
| MOBIL-TRAC UNDERCARRIAGE | | | | |
| Hardbar Suspension | Two Marsh Mellow® Springs | | | |
| Undercarriage Suspension | Oscillating Bogie System w/ Suspended Midwheels | | | |
| Hardbar Oscillation | Stabilizer Bar with 8° Range of Motion | | | |
| INDEPENDENT PTO | | | | |
| | 1000 RPM, 20 Spline, 1.75" (485mm) / Electronically Controlled (Optional) | | | |
| ELECTRICAL SYSTEM | | | | |
| Alternators / Batteries | 2 - 150 amps / (4) 1,000 cca 12 V | | | |
| HYDRAULIC SYSTEM | | | | |
| Type / Maximum System Pressure – psi (bar) | Closed-Center, Pressure-Flow Compensated / 2,900 (200) | | | |
| Std. Pump Flow / Opt. Pump Flow – gpm (L/min) | 58.1 (220) / 85 (321.8) | | | |
| Hydraulic Remotes | 4 Standard / up to 6 Optional | | | |
| Max Flow at 1 Remote – gpm (L/min) | 26.4 (93.1) Standard / 36 (163.3) Optional | | | |
| 3-POINT HITCH / DRAWBAR | | | | |
| Std. 3-PT Hitch – lbs. (kg) | 19,500 (8,845) | | | |
| Std. Wide Swing Drawbar / Opt. Wide Swing Controlled Drawbar | Roller Type +/- 32° Swing / Hydraulic Position Controlled/Dampening | | | |
| Drawbar Capacity (Std. CAT 5/Opt. CAT 4) – lbs. (kg) | 12,500 (5,670) / 10,000 (4,535) | | | |
| WEIGHT | | | | |
| Shipping Weight [no weights or brackets] / Maximum Operating Weight – lbs. (kg) | 42,596 (19,321) / 55,913 (25,362) | | | |

Challenger

MT700E & MT800E Series Track Tractors

MT755E | MT765E | MT775E | MT845E | MT855E | MT865E | MT875E



Challenger® is a worldwide brand of AGCO Corporation.