

Challenger

MT600E SERIES 270–370 MAX ENGINE HP | 240–340 RATED ENGINE HP

**A TRACTOR WHOSE TOUGHNESS
IS MATCHED BY ITS INTELLIGENCE.**

CHALLENGER MT600E SERIES 270–370 MAX ENGINE HP





**WHEN HIGH HORSEPOWER
MEETS HIGH INTELLIGENCE.**

Challenger

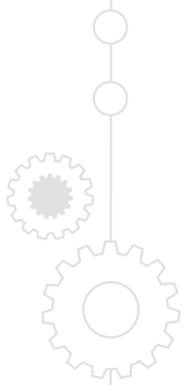
**MT600E
SERIES**

INTELLIGENT FARMINGSM



For years, Challenger® tractors have carved out a reputation for being tough and durable. But, today, the rules of agribusiness are changing. Not only is Challenger changing with them, we're committed to leading the way in the development of the most efficient engineering and technology that larger, more complex operations will need to be successful, and profitable, in the future. We call it Intelligent Farming.

Introducing the Challenger MT600E Series. It starts with the power to conquer the widest fields, steepest hills and tightest planting and harvesting windows. But it's also programmed to think like an agribusiness; packed with the leading-edge precision agriculture technology to help you reduce input costs, improve efficiency and productivity and enhance the overall profitability of your operation. Oh yeah, it's tough. But it's also very, very smart.



HIGH POWER. HIGH TORQUE. HIGH PRODUCTIVITY.

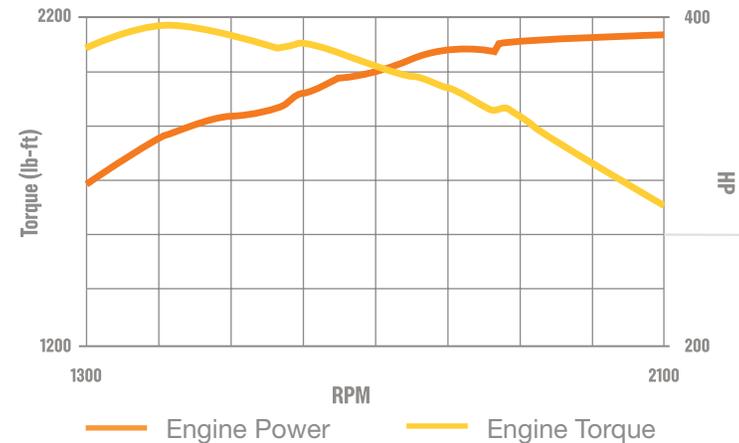
The five MT600E models are powered by the latest-generation, AGCO Power™ engines, packing 270–370 maximum engine horsepower and 300–400 boosted engine horsepower for a wider range of horsepower and torque. The AGCO Power 84 engine delivers 8.4L of sheer low-end torque. And with its twin turbos, this six-cylinder power plant generates greater engine response and big torque down low — where it counts — to deliver unmatched lugging ability and productivity.

The engine is specifically designed for agribusiness applications, not retrofitted from an on-highway engine. So you get:

- Superior engine response and high torque at all engine RPM.
- Total fluid efficiency thanks to the innovative, and simple, SCR + cEGR design.
- No diesel particulate filter (DPF), or costly regeneration process.
- 500-hour service intervals for more uptime.

ENGINE POWER MANAGEMENT SYSTEM

The sophisticated Engine Power Management (EPM) system can provide up to 30 additional engine horsepower to increase productivity and performance in demanding PTO, hydraulic or transport applications.*



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

* Available when speed is above 0 MPH and when PTO or hydraulic demands are greater than 40 HP. Also gradually available when transporting at speeds above 9.3 MPH.



AN INCOMPARABLE CVT, FOR INCOMPARABLE POWER TO THE GROUND.

Power is good. Efficiently delivered power is even better. It's not enough to pack a serious punch; you also need to deliver it. That's why Challenger MT600E Series tractors are built around an in-line drivetrain design that efficiently transfers power without using power-robbing drop boxes. We've designed a more direct path from the engine to the transmission than our competitors, so our drivetrain will always deliver maximum power to the ground. That's intelligent farming.

Our patented TechStar™ continuously variable transmission (CVT), engineered by the people who pioneered CVT technology, is the world's first, and only, truly stepless transmission. And we've perfected the art of delivering simple, efficient, high-performance transfer of power to any job.

CVT FEATURES:

- Infinite speed control, without shifting or clutching, delivers sustainable torque for maximum power and efficiency.
- Two continuously variable speed ranges provide field speeds up to 18 MPH and transport speeds up to 31 MPH.
- The EPM system automatically controls the engine for operation at the most efficient RPM. A constant ground speed increases productivity and lowers fuel consumption.
- Power direction shuttle lever can be lifted in forward and reverse to keep the tractor stationary on a slope.
- Dedicated CVT oil reservoir with 2,000-hour service interval eliminates cross-contamination from auxiliary hydraulic applications.



HYDRAULICS

TO US, HYDRAULICS THAT ARE GOOD ENOUGH, SIMPLY AREN'T GOOD ENOUGH.

When it comes to hydraulics, we believe that even a job well done has room for improvement. The MT600E Series makes it easier to get work done with a hydraulic system designed with a significantly bigger pump that provides a dedicated 54 gallons per minute (GPM) to the auxiliary selective control valves.



This industry-exclusive hydraulic system uses sophisticated hydraulic flow management to provide consistent flow that's unaffected by other hydraulically-driven functions, like steering. A more stable, consistent flow means more accurate seeding and tillage depth control.

HYDRAULICS FEATURES

- Up to six auxiliary remote valves.
- Standard power beyond ports.
- Check hydraulic braking system fluid level without opening the container.

A CAB THIS COMFORTABLE MEANS YOU'RE ALWAYS ON TOP OF YOUR GAME.

There's no reason a machine as tough on the outside as the MT600E Series tractor can't also be soft where it counts. An unbelievably comfortable cab keeps the longest days from feeling that way. The largest cab in its class with an amazingly low interior sound rating offers panoramic 360-degree views and industry-leading comfort. The B-pillar behind the driver is easier to reach and offers outstanding ergonomics with a logical layout and easy to understand soft keys and buttons.

CUSTOM FEATURES

- Acceleration aggressiveness — Adjust the rate of acceleration to match your operational needs. Accelerate slower in row crop operations or reach full speed quickly when traveling from field to field.
- SpeedSteer (optional) — Achieve sharp turns with far fewer wheel rotations, so you can make headland or turnrow turns more quickly and easily.
- Programmable multi-function joystick — Go from forward to reverse while operating the loader at the same time. Ergonomically control the rear linkage, PTO, headland management, spool valves and cruise control, as well as operate the transmission, all with just one hand.
- Operational versatility — Operate the tractor using foot pedal mode, the multi-function joystick and the transmission joystick.

NEW TRACTOR MANAGEMENT CENTER

Our new control center display is faster, more straightforward and easier to use. The flat design of our nine-inch capacitive touchscreen — with a resolution of 480 x 800 pixels — lets you manage functions with an intuitive user experience, better navigation and better readability. Now available right from the factory.

- Easy-to-use buttons with larger fonts and simple, easy-to-recognize icons
- Memory: 4GB
- RAM: 1GB DDR3
- Camera: 1 video input
- Inputs: 4 CAN inputs, 1 USB, 1 ethernet port
- Bluetooth®



**A TOTALLY CONNECTED FARM
IS A TOTALLY PRODUCTIVE FARM.**



Fuse[®], AGCO's global precision agriculture strategy and technology 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. The Fuse platform supports growers throughout the entire crop cycle by maximizing uptime and putting all farm assets in the right place at the right time.

AGCOMMAND[®]

Know where your machines are and what they're doing with this industry-leading tool. Monitor service intervals and operating costs. Because all vehicle data transfers right to your office or mobile device, you can drive efficiency like never before.

AGCONTROL[™]

Monitor and control all ISOBUS 11783-compliant implements including balers, planters and sprayers without the need for additional cab monitors or control boxes. Simply plug and play for seamless operation, saving time, money and needless installations.

agcotechnologies.com

AUTO-GUIDE[™]

Auto-Guide's electronic auto-guidance architecture gives you deeper machine integration, a streamlined user experience and more choices than any other equipment manufacturer. Choose the best accuracy level and signal source for your unique needs. And now, choose from two additional navigation providers: NovAtel[®] and Trimble[®]. Work faster. Work smarter. Improve your bottom line.

- Better pass-to-pass placement, with sub-meter to centimeter accuracy that minimizes skips and overlaps.
- Better visibility in foggy, dusty or night conditions with the same accuracy.
- Reduced fatigue with automated steering.
- Perform multiple jobs — implement monitoring, calls, operation management — right from the cab.
- Increase working speed, while maintaining precision.
- Reduce fuel, labor, chemical, seed and other inputs.
- Integrated hardware reduces cab clutter.
- Reduce equipment wear.

MAINTENANCE MEANS DOWNTIME. THIS TRACTOR REQUIRES LESS OF BOTH.

You wear a lot of hats on your farm. One of them is mechanic. That's why the MT600E Series is built so that basic maintenance is simple and easy, enabling you to quickly get back to the real work.

DO IT YOURSELF

- Easy-access service points turn maintenance inspections into a simple routine, instead of a time-consuming chore.
- The easy-open hood puts everything from air filter to oil dipstick all within easy reach.
- The two-plane design of the updated cooling package makes cleaning simple. There's no need to expand or unfold coolers, as a quick once-over with an air wand removes debris.
- Plus, longer service intervals mean reduced costs and less downtime.



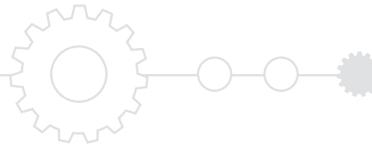
ENGINE AIR FILTER is easily removed and conveniently positioned.



ENGINE COOLING PACKAGE features easy-to-clean two-plane design.



ENGINE OIL can be checked and topped from ground level.



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 machine well built and a job well done. You're also buying a dedicated dealer network committed to standing beside you from purchase through operation.

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 working. From emergency parts drops to extended hours during critical planting, application and harvesting seasons, our dealers and technicians are second to none in service, whether in the shop or on-location. With more mobile service trucks loaded with more diagnostic equipment than most repair shops, it's no surprise that our dealers hate downtime as much as you do.

Plus, each tractor is also backed by our industry-leading parts warranty and supported by factory-trained technicians who work as hard at preventing problems as they do repairing them. Visit your local Challenger dealer and take a closer look at an MT600E Series tractor. We think you'll agree that — down to the smallest detail — it's built for intelligent farming.

MT600E SERIES SPECIFICATIONS*

MODELS	MT645E	MT655E	MT665E	MT675E	MT685E
ENGINE PERFORMANCE					
Maximum ISO engine HP @ 2,000 engine RPM (kW)	270 (199)	295 (220)	320 (239)	350 (261)	370 (276)
ISO engine HP @ 2,100 rated engine RPM (kW)	240 (177)	265 (198)	290 (216)	320 (239)	340 (254)
PTO HP @ 2,100 rated engine RPM (kW)	205 (151)	225 (168)	250 (186)	275 (205)	290 (216)
ENGINE					
Type	AGCO Power 8.4L				
No. of cylinders	6				
Displacement liters (CID)	8.4 (514)				
Aspiration	Twin turbo chargers with eWastegate				
ELECTRICAL SYSTEM					
Alternator / battery (Std.)	240 amps / 12 V (twin 120 amp alternators)				
TRANSMISSION					
Type	TechStar CVT with Power Management (PM) 31 MPH (50 KPH)				
Field speed range	0.02 – 17 MPH forward and 0.02 – 10 MPH reverse (0.03 – 28 km/h forward and 0.03 – 16 km/h reverse)				
Road speed range	0.02 – 31 MPH forward and 0.02 – 24 MPH reverse (0.03 – 50 km/h forward and 0.03 – 38 km/h reverse)				
Road speed range – 40 KPH (Opt.)	Opt. – 0.02 – 30 MPH forward and 0.02 – 24 MPH reverse (0.03 – 40 km/h forward and 0.03 – 38 km/h reverse)				
Speeds forward	Infinite				
Cruise control speeds	4				
REAR AXLE					
4.33 x 118 in. (110 x 2,999 mm) long axle	Std.				
4.33 x 105 in. (110 x 2,550 mm) short axle	Opt.				
Differential lock – full-locking, electrohydraulic	Std.				
FRONT AXLE					
4-wheel drive differential lock	Std.: Full-locking, electro-hydraulic				
4-wheel drive maximum steering angle	55°				
HYDRAULICS					
System type	Closed Center Load Sensing (CCLS)				
Total flow rate – U.S. Std. gal. (L)	54 (205)				
Maximum pressure PSI (bar)	2,900 (200)				
Remote valves – Std./Opt.	Std.: 4 fingertip-controlled valves Opt.: 2 additional fingertip controls for a total of 6 auxiliary valves				

MODELS	ALL MODELS
THREE POINT HITCH - REAR	
Category 3/4N quick hitch	Std.
Maximum lift capacity at link ends – lbs. (kg.)	20,345 (9,228)
THREE POINT HITCH - FRONT (OPTIONAL)	
Category 3	Std.
Maximum lift capacity at link ends – lbs. (kg.)	10,970 (4,976)
DRAWBAR	
Category 3 with drop pin	Std.
Category 3 heavy duty with drop pin	Opt.
Category 4 with drop pin	Opt.
PTO	
Speeds RPM – Std.	1,000/1,000E
Shaft diameter in. (mm)	1.75 (45) shaft, 20 spline
OPERATOR AREA	
Cab glass area ft ² (m ²)	67.3 (6.22)
Noise level dB(A)	71
OptiRide™ Plus hydraulic suspended cab	Std.
Operator seat – air suspension	Std.
TMC display	Std.
TECHNOLOGY	
Auto-Guide	Std.
AgCommand	AgCommand-Ready Std., Subscription Opt.
DIMENSION & WEIGHT*	
Wheelbase – in. (mm)	122 (3,100)
Overall length – front wt. frame to rear link arms – in. (mm)	218.6 (5,552)
Maximum height over cab – in. (mm)	141 (3,584)
Approx. shipping weight – lbs. (kg.)	23,810 (10,800)
Max allowable weight – lbs. (kg.)	33,070 (15,000)
CAPACITY	
Fuel tank capacity – U.S. gal. (L) w/ e3 Technology	166 (630)
DEF (AdBlue) usable tank capacity – U.S. gal. (L)	15.8 (60)

*Specifications are manufacturer's estimates at time of publication and are subject to change without prior notification. All dimensions measured with dual 520/85R46 rear tires and 1480/70R34 front tires



COME SEE WHERE INNOVATION MEETS PRODUCTIVITY.

Challenger recently expanded our plant in Jackson, MN. For many years this factory has been the home of our high-horsepower construction and agricultural track and 4WD tractors, as well as our application equipment. There you can tour our factory and visit our Intivity Center®, the first AGCO visitor welcome center of its kind in North America.

CHALLENGER MERCHANDISE.

Visit us online at shopagco.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.

Challenger

**MT600E
SERIES**

INTELLIGENT FARMING™

To learn more about Intelligent Farming, to demo a Challenger MT600E Series tractor or to find your local Challenger dealer, visit challenger-ag.us.

LOW-RATE, FLEXIBLE FINANCING

With competitive rates and easy terms, your Challenger dealer and AGCO Finance® offer great ways to buy, lease or rent your new machine. Visit agcofinance.com.

QUALITY PARTS

Genuine Challenger replacement parts are made to the same high standards as those used on the assembly line, so you can always keep your Challenger MT600E Series tractor running like new. Plus, they come with our industry-leading, one-year parts, six-months labor guarantee, when dealer installed. Visit agcopartsandservice.com/na/en_US/parts/brands/challenger.

AGCO ANSWERS

At AGCO, customer care isn't just a department, it's a commitment. We'll do our best to answer any question promptly, or put you in touch with someone who can. AGCO Answers (877) 525-4384 or agcoanswers@agcocorp.com.

For more than 25 years, in more than 140 countries worldwide, AGCO has been on a mission to become the single resource farmers can depend on for innovative, leading-edge thinking, equipment and technology. And, today, you know AGCO brands, even if you don't know the AGCO name. While AGCO equipment may not all share the same logo or same color, they all have one thing in common — the ability to help farmers be as productive and profitable as they can possibly be, regardless of the tasks at hand. agcocorp.com



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