

Challenger

# JACK of all TRADES

King of Torque



MT400D Series Tractors  
MT455D | MT465D | MT475D | MT485D | MT495D



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.





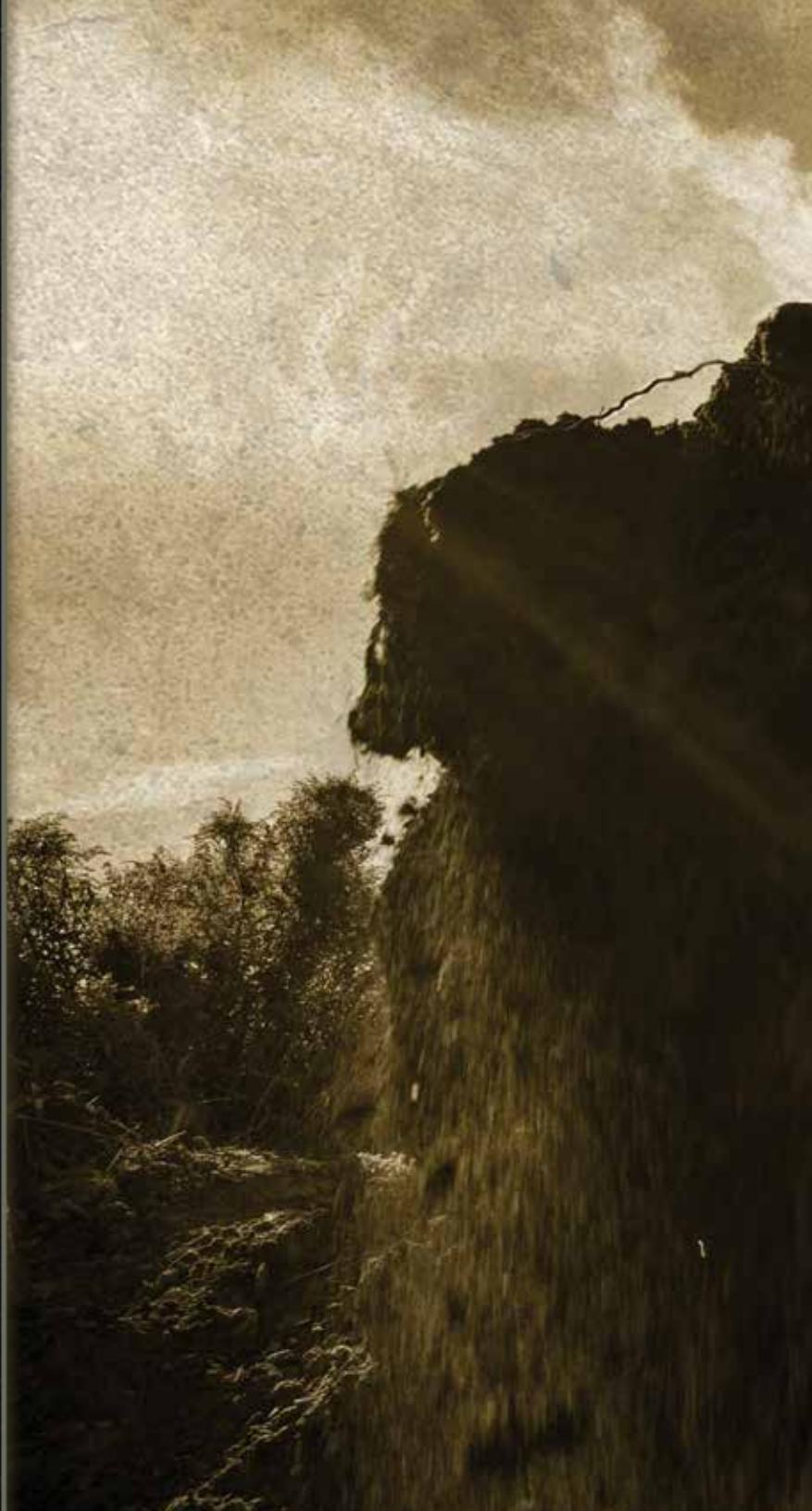
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# CUT WORK — down to — SIZE

In a showdown with the toughest jobs, no tractor of its size rises to the occasion with so much ease. Designed with comfort and versatility in mind, the Challenger MT400D Series is ideal for loader work, hay production, planting and tillage, and is the perfect sidekick for tackling general on-the-farm use. With its compact wheelbase and industry-leading four-cylinder AGCO POWER engine, the MT400D is sure to be the most maneuverable and versatile workhorse at your command.





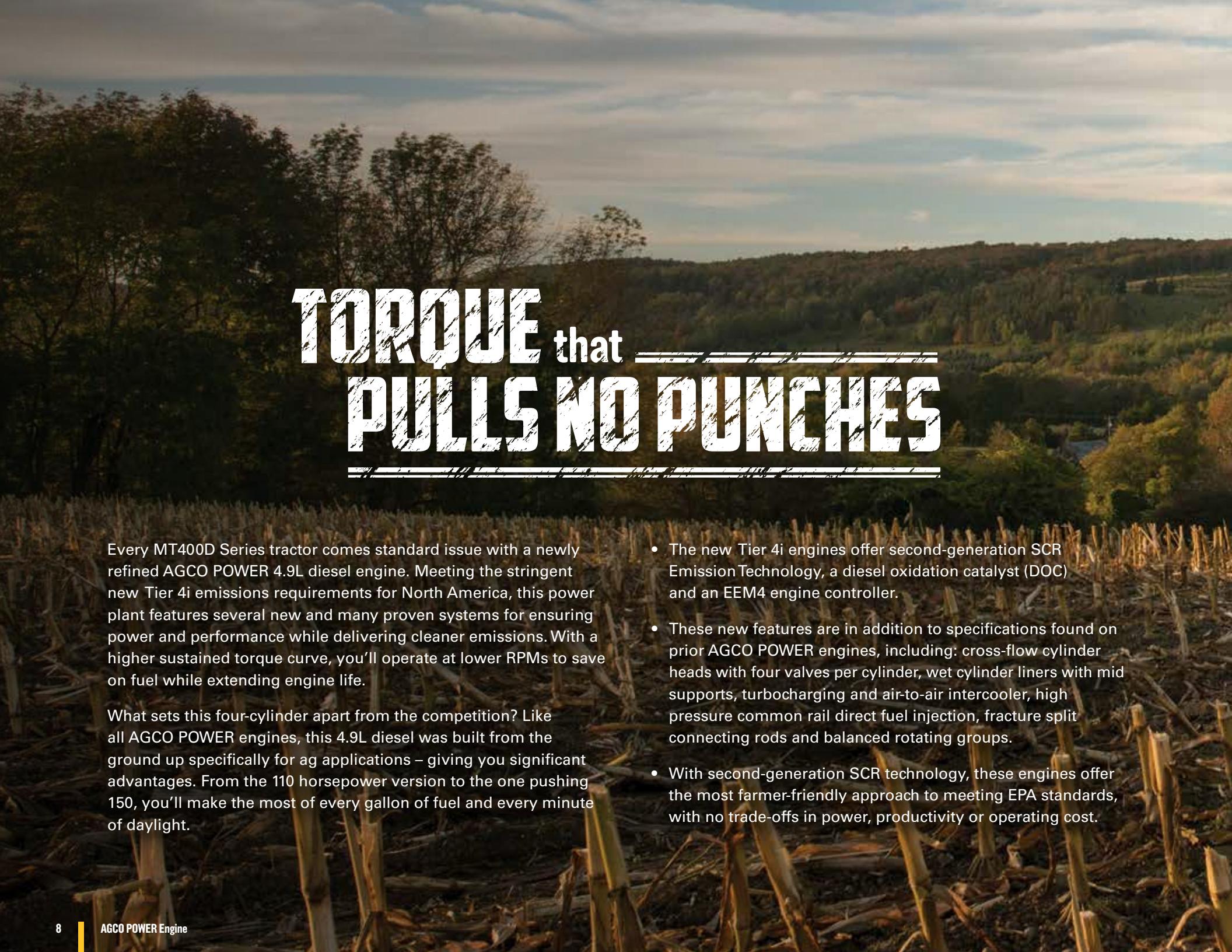




# A MOVING LINEUP

Whether you're doing loader work, pulling feed wagons or making hay pay, there's an MT400D series tractor almost custom-made for your needs. Five models are available, each offering multiple configurations and options to tailor the machine to the exact needs of the job at hand. You're looking at the most versatile lineup of mid-range tractors in the industry – beasts of burden eager to put in the hardest day's work.

Model	PTO HP	Engine HP	Transmission
MT455D	90	110	AutoPowerIV
MT465D	100	120	AutoPowerIV
MT475D	100	130	TechStar™ CVT
	110	135	AutoPowerIV
MT485D	115	140	AutoPowerVI
	110	140	TechStar CVT
MT495D	125	150	AutoPowerVI
	120	150	TechStar CVT



# TORQUE that PULLS NO PUNCHES

Every MT400D Series tractor comes standard issue with a newly refined AGCO POWER 4.9L diesel engine. Meeting the stringent new Tier 4i emissions requirements for North America, this power plant features several new and many proven systems for ensuring power and performance while delivering cleaner emissions. With a higher sustained torque curve, you'll operate at lower RPMs to save on fuel while extending engine life.

What sets this four-cylinder apart from the competition? Like all AGCO POWER engines, this 4.9L diesel was built from the ground up specifically for ag applications – giving you significant advantages. From the 110 horsepower version to the one pushing 150, you'll make the most of every gallon of fuel and every minute of daylight.

- The new Tier 4i engines offer second-generation SCR Emission Technology, a diesel oxidation catalyst (DOC) and an EEM4 engine controller.
- These new features are in addition to specifications found on prior AGCO POWER engines, including: cross-flow cylinder heads with four valves per cylinder, wet cylinder liners with mid supports, turbocharging and air-to-air intercooler, high pressure common rail direct fuel injection, fracture split connecting rods and balanced rotating groups.
- With second-generation SCR technology, these engines offer the most farmer-friendly approach to meeting EPA standards, with no trade-offs in power, productivity or operating cost.





## FRONT AXLE SUSPENSION

There's simply no good reason performance and comfort can't coexist in the field. An available front axle suspension system achieves both with a simple design that's both durable and reliable. This hydraulic over mechanical system features a solid cast steel axle with center differential that rests in a suspended cradle. The suspension can be turned on and off via a push button in the cab during loader operation or whenever it is no longer needed. By pushing the front axle into the ground using the hydraulic suspension, the tractor experiences less power hop and wheel slip while improving ride quality for the operator. Now that's smooth thinking.



# How the **TOUGH GETS GOING**

When it's time to apply the power raging under your hood, the MT400D Series tractors offer three different transmissions engineered to perform in any farming situation.

## **AUTOPOWER IV & VI**

The proven AutoPower IV and VI transmissions offer four or six powershift ratios that can be shifted under full load within four electro-hydraulically selected main ranges. That's 16 and 24 speeds in both forward and reverse. The AutoPower VI has the most speeds in the industry with 24 available.

## **AutoPower Modes**

- Lever Mode (Speedmatching): standard operating mode that allows operators to toggle effortlessly between gears and ranges. Moving the T-handle or Power Control lever controls gear selection and travel speed.
- Pedal Mode (AutoDrive): Using either the foot or hand throttle will control ground speed by adjusting both engine speed and gear shifts.

## **TECHSTAR CVT TRANSMISSION**

Simplicity and performance are at the heart of TechStar CVT (Continuously Variable Transmission) – a technology pioneered by our engineers. Our CVT gives

infinite ground speeds that are not dependent upon engine RPM, so you can access power reserves and speed choices normally hidden in the speed ranges between gears. Just move the control lever in the desired travel direction to select the right speed for the job. No shifting, jerking or delay in traction or power, just infinite control from creep to transport.

Two continuously variable speed ranges provide stepless field speed selections from 0-17 mph (0-28 kph) and transport speeds from 0-25 mph (0-40 kph) with the standard front axle, and 0-32 mph (0-50 kph) with the optional OptiRide™ front-axle suspension system.

## **CVT Modes of Operation**

Three different modes make operation effortless:

- Lever Mode: Standard operating mode uses left hand Power Control Lever or T-handle to adjust speed and keep transmission in proper torque range.
- Pedal Mode: Allows engine and travel speed adjustment with foot pedal operation to provide precise control when doing loader work, road transport or grain cart hauling.
- Forager Mode: Industry-exclusive ability to control ground speed with foot pedal while maintaining constant engine RPMs. Ideal for baling and other PTO applications.

# FIRST-CLASS COCKPIT

Smaller tractors put in just as many hours as their bigger cousins. So we thought they might as well have the perks of the bigger guys. The MT400D's comfortable cab offers a significant improvement over its predecessors. Identical in size to the cab of the MT500D Series, the large six-post design with a flat deck offers 62.5 square feet of glass for an exceptional view in all directions. Ride in style with a choice of either mechanical cab suspension featuring spring-over-shock mounts, or a deluxe hydraulic cab suspension with hydraulic dampeners.



**New Front Dash** – Modeled after the MT600D Series, the MT400D Series dash display features a sleek shaped steering wheel and a dash console with interactive capabilities for managing tractor functions.



**Easy-To-Reach Control Console** – A new right hand console and pillar console with modern controls offer convenience and functionality with intuitive design.



**Options For Layout Of Controls** – Choose from several options for the layout of cab controls, including an armrest console with integrated transmission, hydraulic, loader and other functions.







# Let it do the **HEAVY LIFTING**

To our engineers, there's no such thing as over-engineering. The hydraulic systems on the MT400D Series are designed to cope with the heavy demands of high capacity implements and heavy-lifting loaders. Not to mention, each tractor comes with a wide range of options and flexible features for virtually any application.

The most basic, but by no means low-grade, option is an open-center system with a single pump that delivers 15 gpm to the 3-point hitch, loader and implements. For day-to-day farm use, it's more than up to completing the task in due time.

An available Twin Flow system is an open center hydraulic system that features two engine-driven pumps – a 15 gpm pump dedicated to the rear 3-point hitch, and an 11 gpm pump dedicated to the implement system. The operator can combine the hydraulic flow of both pumps at the press of a button, achieving 26 gpm of hydraulic flow to the implement system and loader.

For the highest hydraulic performance, a Closed-Center Load-Sensing (CCLS) hydraulic system delivers up to 29 gpm of flow, instantly and on demand, to implements and attachments. A variable displacement piston pump provides quick response and great performance without wasting horsepower.

## FRONT 3-POINT HITCH

Each MT400D Series model can be equipped with a handy front 3-point hitch. Integrated into the front framework of the tractor chassis, the hydraulic lift has a capacity of 6,000 lbs at the link ends for supporting ballast weight or front-mounted implements. The hitch uses one of the rear remote valve circuits for operation. A manual gate valve at the rear of the tractor switches flow between the rear remote valve couplers and the front hitch, allowing for easy lift/lower control using the in-cab hydraulic controls. Quick-attach hook ends provide for quick connecting and disconnecting of attachments, and available hydraulic couplers are located at the front for connection of implement hydraulic circuits.

## OPTIONAL ATTACHMENT SAMPLING



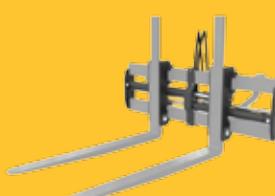
Light Materials Bucket



Soil Bucket with Teeth



Pallet Forks



Hydraulic Pallet Forks



Bale Spike



Manure Spike



Bale Flexigrip™

# INCREASE YOUR YIELD

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## — with precision technology —

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](http://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.

### 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](http://www.AGCOTechnologies.com/support) for more information or call 1-(877) 525-4384.



Track your equipment and data  
from your smart devices

**FUSE**  
TECHNOLOGIES



## 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



# 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 part 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 MT400D 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**

# 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.

## CHALLENGER MERCHANDISE

Visit us online at [ShopChallenger.com](http://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.







## MT400D Series

MT455D | MT465D | MT475D | MT485D | MT495D

MODELS	MT455D	MT465D	MT475D	MT485D	MT495D
<b>ENGINE PERFORMANCE</b>					
PTO HP @ 2,200-rated engine rpm (kW)					
Techstar CVT	–	–	100	110	120
AutoPower VI	–	–	–	115	125
AutoPower IV	90	100	–	110	–
ISO engine HP @ 2200 rated engine rpm (kW)					
Techstar CVT	–	–	130	140	150
AutoPower VI	–	–	–	140	150
AutoPower IV	110	120	–	135	–
<b>TRANSMISSION – TECHSTAR CVT</b>					
Clutches	None				
Speed Range – mph (km/h)	Standard: 0.2-25 (.03-40); Optional: 0.2-31 (.03-50)				
Forward Speeds	Infinite				
Cruise Control Speeds	2				
<b>TRANSMISSION – AUTOPOWER VI</b>					
Clutches	5 Disc				
Speed Range – mph (km/h)	Standard: 0.6-25 (0.9-40); Optional max ground speed 31 (50)				
Forward/Reverse Speeds	24x24				
AUTO-DRIVE	Standard, automatic shifting of gears and ranges				
<b>TRANSMISSION – AUTOPOWER IV</b>					
Clutches	5 Disc				
Speed Range – mph (km/h)	0.6 - 25 (0.9 - 40)				
Forward/Reverse Speeds	16x16				
AUTO-DRIVE	Standard, automatic shifting of gears and ranges				
<b>DIMENSIONS &amp; WEIGHT</b>					
Wheelbase - in (mm)	105	105	105	105	105
Approx. shipping weight - lbs (kg)*	Minimum Base Machine Weight* MT455D = 11,900 (5,400) MT465D, MT475D, MT485D, MT495D = 12,500 (5,700) *Value may vary based on configuration and equipment				

ALL MODELS	
<b>ENGINE</b>	
Rated speed (rpm)	2200
Type	AGCO POWER with clean air technology
Model	49AWI
Number of cylinders	4
Aspiration	Turbocharged with air/air intercooler
Displacement liters (CID)	4.9L
Fuel Injection System	Bosch Electronic High Pressure Common Rail
Fuel	Diesel
Lubrication System	Gear Pump at Bottom of Timing Gear
Oil Filter	Single, Spin On
Starting Aid	Thermostart
<b>HYDRAULICS</b>	
System type	Open Center or Closed Center Load Sensing
Total flow rate - US standard gallon (L)	15/26/29gpm
Maximum pressure PSI (bar)	2900
Available flow rate per spool valves gpm (L/min)	100 l/mn
Remotes	
Classic – standard	1/2/3 Mechanical
Classic – optional	4th Mechanical
Deluxe – standard	1/2 electric fingertips (joystick opt), 3/4 Mech
Premium – standard	1/2/3/4 electric fingertips (joystick optional on 1/2)
Hydraulic Couplers	Standard ISO 1/2" Quick-connect couplers
Coupler Size	ISO 1/2"
<b>PTO</b>	
Speed (rpm)	AutoPowerIV or VI Classic = 540/1000 Deluxe/Premium = 540/540e/1000/1000e optional 540/1000 TechStar CVT 540/540e/1000
<b>THREE-POINT HITCH – REAR</b>	
Category	2 & 3
Ball Ends Type	Telescopic
Lift Capacity 24" behind the ball ends	11,400 (5,170)
<b>THREE-POINT HITCH – FRONT</b>	
Lift Capacity – lbs (kg)	6,172 (2,800)
<b>FRONT AXLE</b>	
2-wheel Drive	N/A
4-wheel Drive Differential Lock	Fully Locking, electrohydraulic
4-wheel Drive maximum steering angle	55
Quadlink Front Axle Suspension	Standard on Deluxe and Premium Models
Quadlink Suspension Operation	Electro-hydraulic
<b>CAPACITIES</b>	
Fuel Tank – gal (L)	61 (223)
Diesel Exhaust Fluid – gal (L)	9.2 (35)

*Challenger*<sup>®</sup>

**MT400D Series Tractors**

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Your Agriculture Company

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