

Challenger

# THE BEST ton-for-ton TRACTOR

in its class.



The Challenger® MT700D Series track tractors have arrived.

Challenger

MT700D Series Track Tractors  
MT755D | MT765D







### **Let's get to work.**

Armed only with willpower, a stubborn ox and a simple plow, we've come a long way from those back-breaking days spent in the field. But that's not to say today's professional grower feels any less pressure. In this multi-billion dollar industry, it's always about more. More crop. More harvest. More productivity.

We designed the new Challenger® MT700D Series track tractors to conquer the most demanding ag environments on earth. Whether it's tackling the toughest terrain or pulling the heaviest implements, the MT700D keeps power to the ground and productivity moving skyward.





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# Meet the new **BOSS**

For the past 25 years, Challenger has continuously evolved — always with the intention of being better for today's professional producer. It's how we've become North America's fastest-growing equipment brand. That's why we're so thrilled about our latest update to the MT700D Series; the new AGCO POWER™ 8.4-liter, 6-cylinder SCR engines. These workhorses push more power and bring more efficiency than anything we've ever seen.

But even before launching this new series, Challenger set the bar with the MT700C Series. Customers found a new digital dashboard, a redesigned Tractor Management Center console, an all-new hydraulics system and an integrated ISOBUS control system. That meant operators got more fingertip control not only of their tractor but of their implements, too.

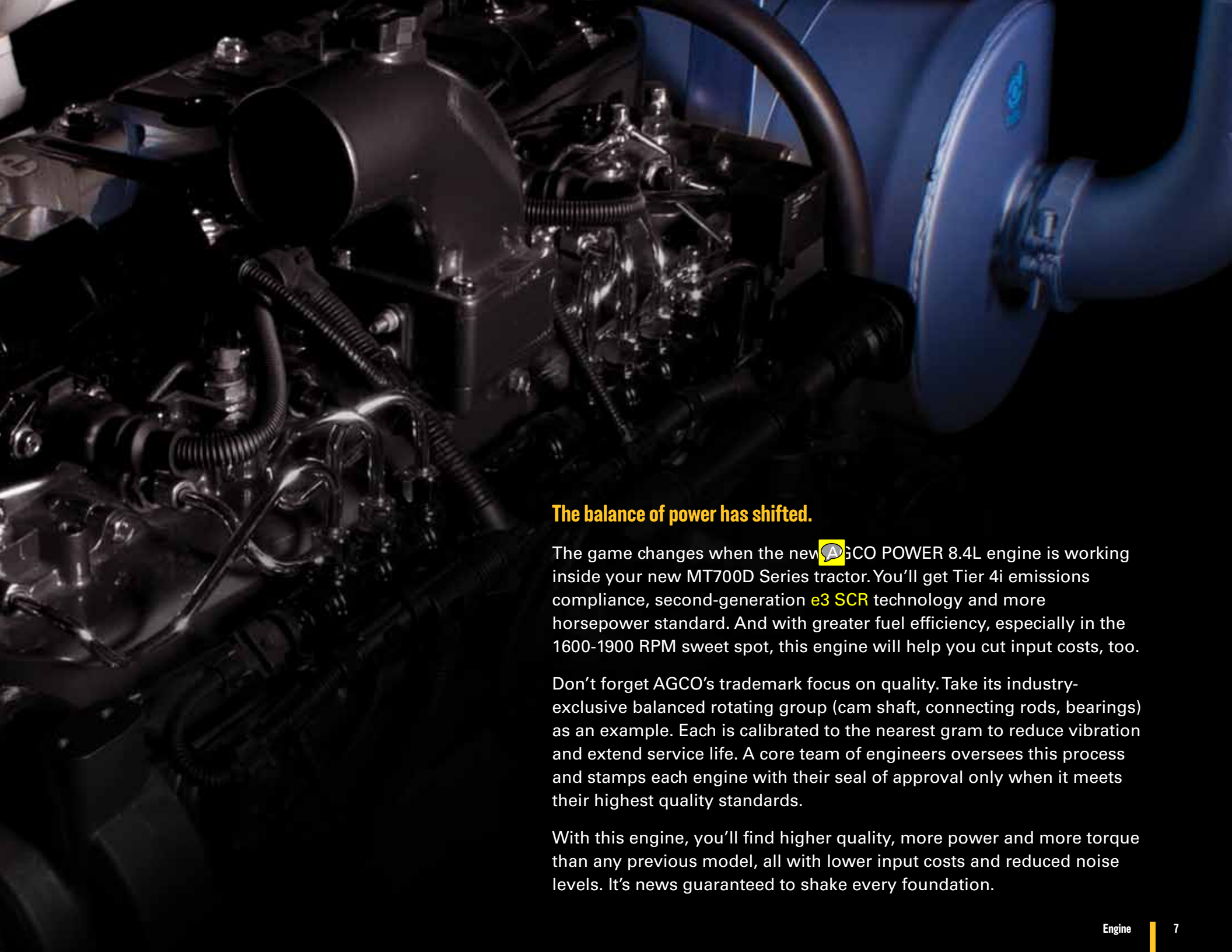
The more things change, the more they stay the same. And it's reassuring to know these models are still crafted with the highest quality by the same proud people in the same small town of Jackson, Minnesota.

# Takes to the **FIELD** with a **VENGEANCE.**


**The Challenger® MT700D Series now proudly features AGCO POWER 8.4L engines.**

AGCO POWER 8.4L engine features include:

- Wastegate turbocharger
- 4 valves per cylinder
- Single piece cast iron block with wet cylinder liners and mid cylinder supports
- Fractured split connecting rods designed to reduce vibration and prolong engine life
- Rotating group balanced to the nearest gram of vibration — industry exclusive
- 400-hour service interval
- Cassette-style air filter
- Variable speed fan



### **The balance of power has shifted.**

The game changes when the new  AGCO POWER 8.4L engine is working inside your new MT700D Series tractor. You'll get Tier 4i emissions compliance, second-generation **e3 SCR** technology and more horsepower standard. And with greater fuel efficiency, especially in the 1600-1900 RPM sweet spot, this engine will help you cut input costs, too.

Don't forget AGCO's trademark focus on quality. Take its industry-exclusive balanced rotating group (cam shaft, connecting rods, bearings) as an example. Each is calibrated to the nearest gram to reduce vibration and extend service life. A core team of engineers oversees this process and stamps each engine with their seal of approval only when it meets their highest quality standards.

With this engine, you'll find higher quality, more power and more torque than any previous model, all with lower input costs and reduced noise levels. It's news guaranteed to shake every foundation.







# OPTIONS.

## Guaranteed to

# MOVE YOU.

The Challenger MT700D series offers two different workhorses to help you get the job done:

Model	Engine Horsepower	PTO Horsepower
MT755D	327	260
MT765D	350	285

Challenger offers an array of undercarriage options to best match your situation. Choose from the all-purpose General Ag Belt or the Extreme Application Belt, for operations that involve more roading, steeper side slopes or abrasive conditions.

And whether it's narrow-row cultivation or dryland wheat farming, you get the flexibility to set your gauge without adjusting the belts. Choose from standard gauge, wide gauge or ultra-wide gauge. No other track tractor can go beyond four 30-inch rows.



*General Ag Belt*



*Extreme Application Belt*





**Power to the ground.**

**WE INVENTED IT.**

Challenger's exclusive Mobil-trac™ undercarriage system keeps you in constant contact with the ground for better traction and reduced slip, more pulling ability, greater efficiency and a smoother ride overall. Oscillating midwheels literally mold the track to the earth for constant traction over uneven terrain – a feature our competition just can't offer.

With available gauge settings from 72" – 160" and five track widths available, the Mobil-trac system reduces compaction, transfers power to the ground and gives you more muscle across the board.

Operators will notice the difference, too. With advanced Marsh Mellow® springs cutting vibration and shock, the Mobil-trac system delivers a softer ride as it contours to every ridge, bump and rut it encounters.





- A** The large diameter driver allows for more belt contact, which translates into more power to the ground, longer belt life and lower rolling resistance.
- B** Challenger's unique Mobil-trac™ system requires no daily or routine maintenance or adjustment.
- C** Suspended midwheels contribute to a smooth ride by molding the track to the surface of the ground for constant traction over uneven terrain.
- D** Standard polyurethane midwheels provide longer life in abrasive environments and in areas with above-average transport requirements.

### Not shown:

Advanced Marsh Mellow® springs, constructed of rubber and fabric, minimize shocks to the operator by isolating the hardbar from the chassis of the tractor.

The robust stabilizer bar enables the left and the right undercarriages to pivot up and down independently, allowing the hardbar to tilt to an 8-degree angle and smoothly walk over obstacles in the field.

The in-line reaction arms, which are isolated from the tractor drive axles and frame, absorb shock loads minimizing the transfer of stresses and vibrations to the operator.

Mounting holes for chemical tanks and other attachments are built-in to ensure maximum versatility and tractor balance.





Work in **HARMONY** with  
**ISOBUS**,  
regardless of **PAINT COLOR**.

ISOBUS is the future in farm equipment and it's a vital part of the MT700D Series. So no matter the tractor or implement manufacturer, this technology works with any compliant implement to communicate information much quicker, with fewer wires and connections.

The TMC (Tractor Management Center) is fully ISOBUS-compatible, so as long as you have an ISO-compatible implement, there's no need for additional implement monitors.

**Get answers faster.**

Because of ISOBUS, every component on the tractor communicates in the same language. That means a service technician only needs to plug in a portable, hand-held unit to perform diagnostics with results in a matter of seconds.

Plus, simpler wiring designs mean greater reliability, more uptime, and easier diagnostics and repairs when needed.



## Access is everything.

The Challenger MT700D was built with service in mind. Take a look at the ways we make getting in to work on it easy:

- The tilt-up hood rises from the front, providing excellent access to key service points like batteries and coolers. A battery disconnect, which cuts electrical power to the tractor is standard.
- Checking and topping off engine oil is easily accomplished from ground level on the left side of the tractor.
- The dual-element air cleaner is conveniently positioned directly above the engine for easy inspection and replacement.
- A large toolbox, integrated into the steps, carries tools up to 24 inches (610 mm) long with a total capacity of 150 pounds (68 kg).
- The cab air filter, conveniently located under the cab roof overhang is easily removed without tools for cleaning or replacement.
- A hydraulic and powertrain oil sight gauge at the rear of the tractor lets you check the level at a glance.
- No tools are required to swing open the coolers to remove trash build-up or blockage.



*Hydraulic and powertrain sight gauge is easy to check from the ground level.*



*The cab air filter is easy to access and clean out.*



*By simply tilting up the hood, you have easy access to all engine service points and cooling package cleanout.*



# ALWAYS the RIGHT GEAR.

It takes a special transmission for a track tractor to perform in the most demanding environments on earth. That's why the MT700D series tractor comes equipped with the CAT-built 16F X 4R electronically controlled powershift. Designed with variety in mind, it's why this machine can handle any application from seeding and tillage to pulling a grain cart.

- Hundreds of times per second, the transmission and the engine communicate to optimize productivity and performance.
- Eight gears in the popular 4-to-9.3 mph (6.5-to-14.9 kph) operating range provide the responsiveness and productivity your applications need.
- Get better Power Management with a rocker switch on the TMC console that lets you select or change modes to quickly match operating conditions.
- The CANBUS electronic control matched with the engine provides the smoothest shifting, most reliable transmission in the industry.





## Speed: It's automatic.

Like cruise control on your car, the Constant Ground setting on this transmission gives you a preset ground speed by varying the engine speed and transmission gear.

Maximum Output mode provides the most power and torque needed while operating in the highest draft

conditions. It assists by automatically shifting to keep the engine in the peak power range where horsepower and torque are maximized.

And the MT700D Series features true speed-sensitive steering that is infinitely adaptable within the speed range.









# WORKING HARD

never felt

# SO GOOD.

If you're big on creature comforts, you've found the right tractor. The MT700D Series makes the ride easy with technology and design that literally molds the track to every ridge and bump to deliver unsurpassed ride comfort.

Inside, the air-suspension seat adapts to any size operator and offers a range of settings to make a long day in the field feel that much shorter.

You'll have plenty of room to spread out, and with a true four-post design, visibility as far as the eye can see.

Note: The MT700D now features a new in-cab power strip, new door design for a tighter seal, an AGCO key and ignition as well as new intermittent wipers and controls.

## **Command performance.**

But don't get too cozy in our cab. You'll still have to monitor the ergonomically-designed, Tractor Management Center (TMC).

With a color screen capable of video display, 12 re-programmable soft keys and a rotary dial close at hand, this TMC display lets you electronically adjust flow rates, adjust timed detents, and precisely

adjust individual valve operation with the greatest of ease.

Plus the intuitive One-Touch Management System™ gives you the power to initiate several tractor and implement functions at the same time at the touch of a button on the transmission control lever.



# MORE PRECISION.

With a little help from above.

Save fuel and lower input costs with the AGCO AUTO-GUIDANCE system. Designed to help auto-steer you in the right direction, it's hands-free, steer-assist technology that brings a new level of control and productivity to your operation.

Get the flexibility to perform precision applications like bedding, planting and tillage right at your fingertips with AGCO AUTO-GUIDANCE. These functions can be managed through upgrading your system to the intuitive and easy-to-use multi-view C3000 monitor.



*The new C3000 monitor includes a 12.5" color-touch interface that will improve operating efficiencies and is easy to use.*

## Manage your fleet with AGCOMMAND®.

AGCOMMAND® is a telemetry system developed by AGCO for your peace of mind. If you're responsible for multiple tractors and operators, this tool helps you monitor each tractor's "health" and whereabouts 24/7, so you can better manage its performance, productivity and maintenance.







# MEANER and CLEANER

MT700D Series tractors boast the latest in AGCO's e3™ SCR technology — with all the latest components for Tier 4i emissions compliance. It's the kind of thinking you'd expect from the folks who first introduced selective catalytic reduction technology to the ag industry. In the end, we're constantly working in this field to reduce the pollutants in the air and increase fuel economy for our operators.

A new pump, injectors and increased common rail pressure deliver better regulation of fuel in the

combustion chamber — helping to limit both combustion temperatures and NOx production, as well as the amount of particulate matter (PM) in the exhaust stream.


SCR catalysts and NOx sensors are located in the exhaust, providing real-time DEF dosing requirements, accounting for greater total fluid efficiency.









A large Challenger MT700D Series tractor is shown from a low angle, pulling a Sunbelt implement through a field. The tractor is dark-colored, and the implement has multiple rows of discs and tines. The background shows a flat field under a hazy sky.

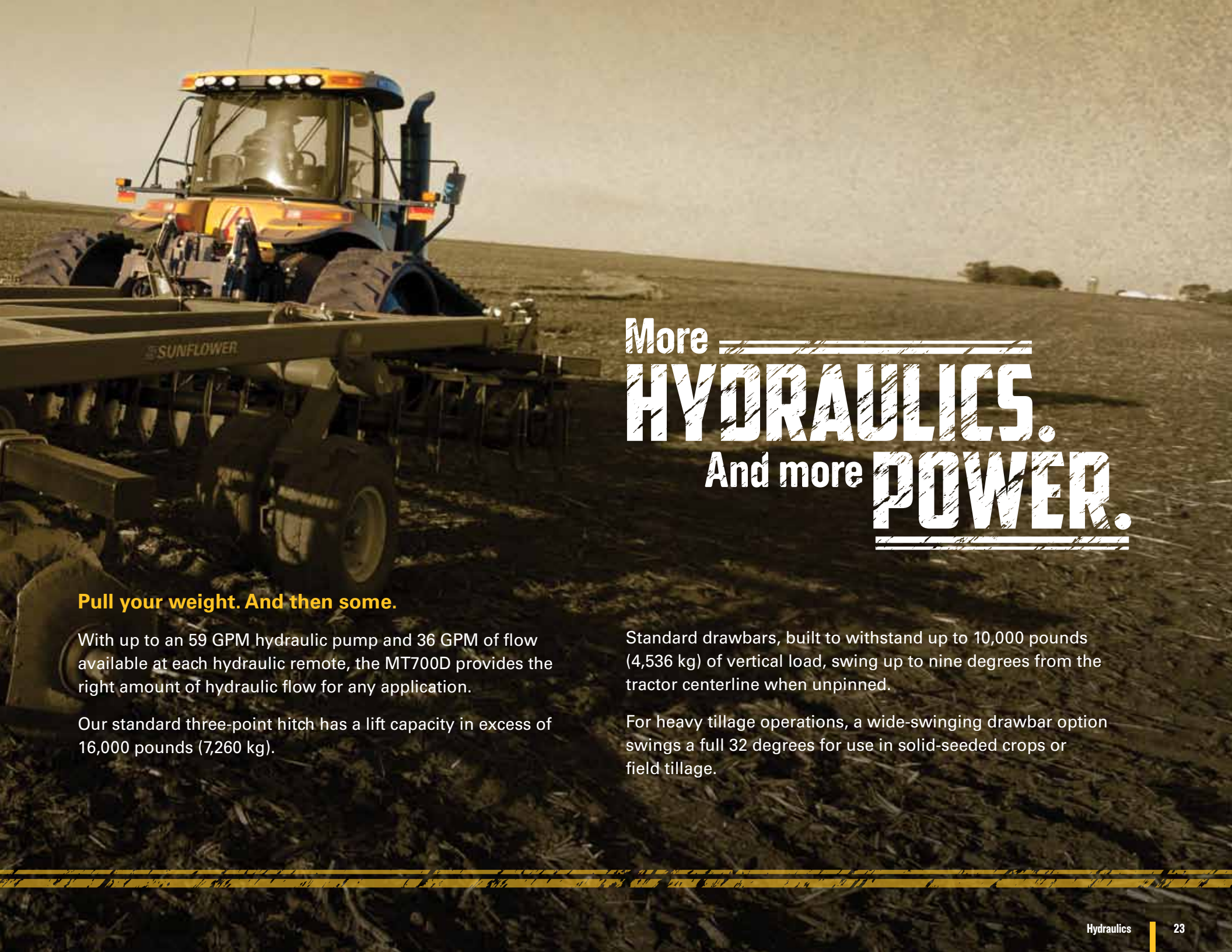
Challenger MT700D Series tractors are as big on hydraulic power as they are on raw horsepower.

Equipped with a closed-center, load-sensing, pressure-flow compensating system, MT700D Series models offer a 43.5 gal./min. (164.7 lpm) pump as a standard feature. And for applications, like scrapers and large planters, Challenger offers a 59 gal./min. (223.3 lpm) pump option.

The redesigned Fine-Tune Flow And Pressure Adjustment system, which utilizes a separate controller built into each valve, even allows the operator to direct continuous flow up to 36 gal./min. (136.3 lpm) through any one coupler.

Instead of diverting hydraulic flow from one job to another, Load Independent Flow Division (LIFD) ensures proportional oil flow to all desired circuits when the system is operating at full capacity.





# More **HYDRAULICS.** And more **POWER.**

## **Pull your weight. And then some.**

With up to an 59 GPM hydraulic pump and 36 GPM of flow available at each hydraulic remote, the MT700D provides the right amount of hydraulic flow for any application.

Our standard three-point hitch has a lift capacity in excess of 16,000 pounds (7,260 kg).

Standard drawbars, built to withstand up to 10,000 pounds (4,536 kg) of vertical load, swing up to nine degrees from the tractor centerline when unpinned.

For heavy tillage operations, a wide-swinging drawbar option swings a full 32 degrees for use in solid-seeded crops or field tillage.







# Our **COMMITMENT** comes **STANDARD.**

With every Challenger purchase, you're acquiring a lot more than a piece of farm machinery. You're also getting the Challenger commitment to quality and service.

As a Challenger tractor owner, you are assured of a full machine warranty for two years/2,000 hours and powertrain warranty for four years/4,000 hours. An Extended Service Plan is also available.

## **Extra coverage never hurts.**

Thanks to three new ProTech ESC (extended service contract) options, you can predict hourly operating costs right down to the nickel.

Choose from the basic Essential plan, the Enhanced version or the Elite ESC program, which covers all service work beyond the warranty, as well as technician travel time, mileage and scheduled preventative maintenance.

## **Better service from every angle.**

When you buy Challenger equipment, you get the best of both worlds. The backing and support of the legendary Challenger network of CAT® dealers. And every machine is backed by the same support with second-to-none on-location service.

Combine it all with our 24-hour-a-day parts network and you have the absolute gold standard in service. And it's all at work, ready to maximize your productivity and uptime.



MODELS	MT755D	MT765D
ENGINE		
Type	AGCO POWER™ 8.4L Tier 4 Interim	AGCO POWER™ 8.4L Tier 4 Interim
PTO Power @ rated 2100 RPM's – HP (kW)	260 (194)	285 (213)
ISO Engine @ 2100 rated RPM's – HP (kW)	327 (244)	350 (261)
Maximum ISO Engine @ 1900 rated RPM's – HP (kW)	361 (269)	386 (288)
Number of Cylinders / Number of Valves	6 / 24	6 / 24
Displacement – L (CID)	8.4 (514)	8.4 (514)
Aspiration	Turbocharged / Air-to-Air Intercooled	Turbocharged / Air-to-Air Intercooled
FUEL SYSTEM		
Fuel Tank Capacity – US gal. (L)	109 (413) – Standard Gauge / 169 (640) – Wide and Ultra Wide Gauge	
DEF SYSTEM		
DEF usable tank capacity – US gal. (L)	18 (68)	
TRANSMISSION		
Type	Caterpillar® Powershift 16F / 4R	
Maximum Speed – mph (kph)	24.6mph (39.6)	
Creeper Gear Box (Optional)	4:1 reduction	
Steering	Caterpillar® Differential Steering	
GAUGE OPTIONS		
Type	Infinitely adjustable bar axle with smooth hardbar	
Standard – in. (mm)	72 – 88 (1,829 – 2,235)	
Wide – in. (mm)	80 – 120 (2,032 – 3,048)	
Ultra Wide - in. (mm)	120 – 160 (3,048 – 4,064)	
TRACK OPTIONS		
General Ag Tracks – in. (mm)	16, 18, 25, 30 (405, 455, 635, 760)	
Extreme Application Tracks – in. (mm)	14, 16, 18, 25, 30 (335, 405, 455, 635, 760)	
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 – gpm (L/min)	43.5 (164.7)	
Opt. Pump Flow – gpm (L/min)	59 (224.2)	
Hydraulic Remotes	4 Standard / up to 6 Optional	
Max Flow at 1 Remote – gpm (L/min)	36 (136.3)	
Maximum System Pressure – psi (bar)	2,900 (200)	
3-POINT HITCH / DRAWBAR		
Std. 3-PT Hitch – lbs. (kg)	Category 3/3N 16,000 (7,257)	
Opt. Wide Swing Drawbar	Roller Type +/- 32° Swing	
Drawbar Capacity (Std. / Opt.) – lbs. (kg)	10,000 (4,536) / 12,000 (5,443) — Category 3	
WEIGHT		
Approx. Shipping Weight – lbs. (kg)	31,075 (14,095)	
Maximum Operating Weight – lbs. (kg)	36,000 (16,329)	



## AGCO Finance

At AGCO Finance, we understand that financing is as much a part of your purchase decision as the features and benefits of the product. So we're committed to providing the best means of acquiring the equipment you need, while allowing you to preserve other credit lines of operating capital.

We offer flexible payment schedules, flexible terms, quality service, competitive rates, comprehensive financing and leasing options, and virtually unlimited resources. All are available under one roof, at your authorized Caterpillar® dealership.

### About AGCO

AGCO, Your Agriculture Company, is a premier manufacturer of agricultural equipment, providing high-tech solutions for professional farmers feeding the world. The company is dedicated to delivering superior customer service, innovation and quality. AGCO products are distributed in more than 140 countries worldwide.

## AGCO ANSWERS

(877) 525-4384 AGCOanswers@AGCOcorp.com

At AGCO, customer care isn't just a department. It's a commitment. Contact us with your questions. We'll do our best to answer them promptly or put you in touch with someone who can.

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Visit us at: [www.Challenger-ag.us](http://www.Challenger-ag.us)





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Challenger® is a worldwide brand of AGCO Corporation.