

*Challenger*<sup>®</sup>

**MT200**  
SERIES

**SERIOUS MACHINES**

with big tractor performance





## BIG ENOUGH TO WEAR THE NAME CHALLENGER

Introducing the new Challenger® MT200 Series tractors, the tough little brothers of the legendary Challenger tracked tractors from Caterpillar®. These machines are part of the new lineup of tracked and wheeled tractors from 23 to 500 horsepower, hay tools, combines and other implements available at your Caterpillar dealer.

These powerful compact Challenger tractors are some Serious Machines, built to take on the toughest projects on the farm or work site.





# SERIOUS MACHINES

## MT297 – 55.3 HP

16 forward / 16 reverse PowerShuttle  
12 forward / 12 reverse SynchroShuttle

## MT295 – 44.2 HP

16 forward / 16 reverse PowerShuttle or  
4-range hydrostatic

## MT285 – 40.1 HP

16 forward / 16 reverse PowerShuttle or  
3-range hydrostatic

## MT275 – 40.1 HP

8 forward / 8 reverse SynchroShuttle

## MT265 – 33.0 HP

16 forward / 16 reverse PowerShuttle or  
3-range hydrostatic

## MT255 – 28.4 HP

9 forward / 3 reverse gear transmission

## MT225 – 23.2 HP

2-range hydrostatic

## PROFESSIONAL LINEUP

Challenger MT200 Series tractors are designed and built for the demands of the professional operator, with 4-wheel drive, powerful diesel engines and undercarriages of cast iron and steel. The hood and fenders are made of solid, heavy-duty steel, not plastic like most brands of compact tractors. And like every new machine in the Challenger family, these tractors are built to the highest quality control standards in the industry.

With seven rugged models and a wide range of horsepower options to choose from, there's a Challenger MT200 Series tractor to fit any job and budget.

# POWERFUL



## POWER PACKED

There's a lot of power packed into each Challenger MT200 Series tractor. Tough diesel engines with rugged cast-iron blocks and overhead valves deliver all the power you need and more.

These rugged diesel engines develop maximum horsepower and substantial torque-backup to ensure productivity in the toughest spots around the jobsite. With a low 2,500 to 2,800 engine rpm there is less wear and tear, lower noise levels and reduced vibration to provide a long dependable life.

These tough diesel engines have a unique, indirect injection design. Combustion starts in the cylinder head pre-chamber, then expands into the cylinder for a smoother, quieter burn. This means less pounding and longer engine life with lower maintenance costs.

## SEAT OF POWER

The workday will seem a little shorter behind the wheel of a Challenger tractor. The seats are wide and comfortable, with all controls within easy reach, right where they ought to be. The open, roomy operators' platforms have up to 20% more room than other compact tractor brands. They're easily accessible from either side and feature full-flat or semi-flat decks, with plenty of legroom and foot room. Pedals are positioned for comfortable operation, and there's plenty of room between the seat and the steering wheel for even the biggest operator.

# RUGGED





# POWERPLANTS & CONTROL



## OPERATOR SAFETY

Every Challenger model comes equipped with a heavy-duty Rollover Protective Structure (ROPS), and a retractable seat belt. Most models are available with a folding ROPS for easier operation in low-clearance situations.

All models feature a neutral start switch that prevents starting unless the transmission and PTO are disengaged. On all but the MT295 models and MT297 models, a sensor is built into the driver's seat that shuts down the engine if the operator leaves the seat while the transmission or PTO is engaged. And all tractors are equipped with a Slow Moving Vehicle (SMV) emblem and amber flashing warning lights.



Every Challenger MT200 Series tractor features hydrostatic power steering for sure and positive steering. Gauges are easy to read on a lighted instrument panel, and the sloping hood and concealed exhaust give you virtually unobstructed visibility.

## EASY STOP, EASY GO

All Challenger MT200 Series tractors, except the MT225, are equipped with wet-type, oil-cooled, multi-disc brakes for sure stopping power, even under heavy loads. The MT225 is equipped with dry, shoe-type brakes.

And all MT200 Series tractors are equipped with standard 4-wheel drive for maximum traction in any condition.



# SYNCHRONIZED

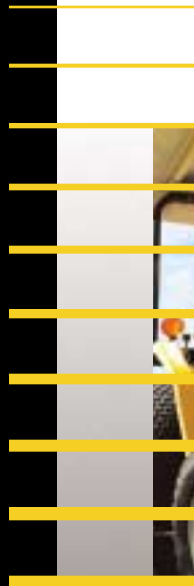
## TRANSMISSION CHOICES

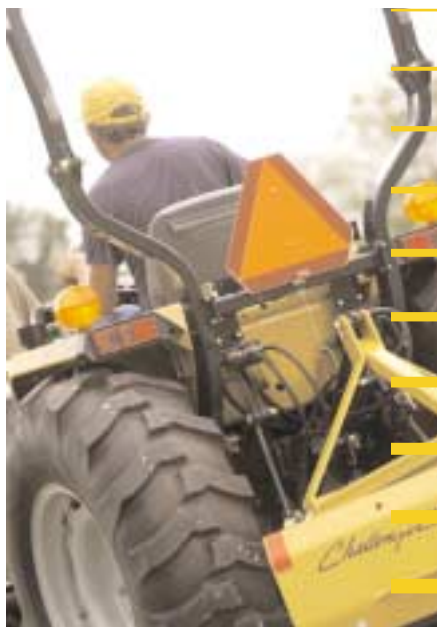
Challenger MT200 Series tractors are equipped with transmission combinations that most efficiently deliver power to the ground. Depending on tractor model, these transmissions range from multi-range hydrostatics to 16F/16R shuttles.

### POWERSHUTTLE

The PowerShuttle is a fully-synchronized four-speed gearbox teamed with four speed ranges for an effective 16-forward, 16-reverse speed transmission. It combines the advantages of "shift on the go" capability with a smooth, simple change of direction without the use of a clutch.

You can shift from forward to reverse by simply moving a dash-mounted lever. There is no clutch to engage, and no need to come to a complete stop before shifting.





You can select the engine-transmission combination to fit the demands of your operation.

## STANDARD CREEPER GEARS

Tilling hard clay or running a trencher? The PowerShuttle transmission includes four creeper gears as standard equipment. Just imagine being able to go as slow as 0.25 mph with all the dirt busting torque you need.

## HYDROSTATIC TRANSMISSIONS

There's nothing easier to run than a Challenger equipped with a hydrostatic transmission. And nothing is better for applications like spraying or aerating turf when precise control of ground speed is critical. Cruise control is standard on all hydrostatic transmission models. Just set the optimum ground speed with the foot pedal, lock it in and concentrate on the job at hand.

## TOUGHNESS AND ECONOMY

Whether it's the 9F / 3R sliding gear transmission on the MT255 or the 8F / 8R SynchroShuttle on the MT275, you get dependable, affordable power.

## TRANSMISSION CHOICES:

GEAR TRANSMISSIONS	MT225	MT255	MT265	MT275	MT285	MT295	MT297
9 Forward / 3 Reverse		.					
8F / 8R SynchroShuttle				.			
12F / 12R SynchroShuttle							.
16F / 16R PowerShuttle			.		.	.	.
HYDROSTATIC TRANSMISSIONS							
2-Range Hydrostatic	.						
3-Range Hydrostatic			.		.		
4-Range Hydrostatic						.	



## HYDRAULICS

To deliver the power to operate a loader, backhoe and other attachments, the Challenger MT200 Series tractors are equipped with dual, gear-type hydraulic pumps. The implement pump independently powers the Category I 3-point hitch and auxiliary outlets. The power steering pump is independent of the implement system, so you can maintain power to a loader, 3-point mounted attachment and other implements without affecting the tractor's steering and maneuverability.

## PTO POWER

All Challenger MT200 Series tractors feature a 540-rpm rear PTO as standard equipment. A 2,000-rpm mid-mounted PTO is standard on the MT225, and available as an option on all other models except the MT295 and MT297 gear transmission models. When equipped, both PTO units can be used at the same time, allowing the operator to handle two tasks simultaneously.

All models offer independent, self-modulating PTO with the exception of the MT255 with its dual clutch, which features live PTO. Both live and independent PTO allow the operator to run implements at full power and speed while slowing or stopping the tractor, which can be especially handy in mowing applications.

These rugged Challenger MT200 Series tractors deliver the power you need to tackle any job on your farm or work site. With standard rear-mounted PTO, Category I 3-point hitch and a dedicated hydraulic system, these tough tractors are ready to go to work.





# WORKING HARD



## VERSATILITY

### 3-POINT HITCH

A Category I hydraulic 3-point hitch is standard on every MT200 Series machine, designed to handle a wide variety of implements. The hitch has a response control, which allows the operator to control the rate of drop, a position control to set and maintain the depth and position of implements and adjustable lift rods to make hookups easier.

For added productivity when using ground-engaging implements, MT295 and MT297 (PowerShuttle only) models are equipped with draft control. (Draft control is optional on all other models except MT225 and MT297 SynchroShuttle).

### TIRE CHOICES

Challenger MT200 Series tractors are available with several tire choices, depending on the demands of your work site. For go-anywhere traction in tough conditions, you might choose the rugged R1 agricultural bar-tread tires. R4 industrial-tread tires deliver a combination of excellent traction and smooth ride in a variety of situations. And for conditions where a lighter footprint is required, like golf courses, lawns and athletic fields, R3 turf tread tires distribute weight over a larger area for less compaction and tracking. LSW radial tires are available on all models except MT225 and MT255.





## FRONT END LOADERS

Handle heavy jobs around your farm or work site with a rugged, powerful front-end loader. These loaders are available in four models, with tractor- or loader-mounted joystick control and various bucket configuration.

## MOWERS AND CUTTERS

Challenger has smooth-cutting, rear-mount finishing mowers and rotary cutters to keep any yard, ball field, municipal or commercial acreage looking good.



## POSTHOLE DIGGER

The rugged Challenger posthole digger has tough, sharp, carbon-steel cutting edges, positioning handle and a quick-coupling yoke. It's available in auger sizes to fit your fence.



## REAR BLADES

For grading a driveway, leveling a lawn or moving a mountain of gravel, dirt or snow, choose from standard or medium duty and three working widths.

## MID-MOUNT MOWERS

For a smooth, even lawn, golf course or commercial acreage, Challenger has two models of mid-mount finishing mowers to make your acreage look like a carpet of green.





## LANDSCAPE RAKES



Prepare a seed bed, level a lot for laying sod or clear rocks and debris from your work site with a landscape rake from Challenger. Landscape rakes are available in two widths.

## BOX BLADES

Rugged, hardworking Challenger box blades are equipped with replaceable, adjustable heat-treated points and shanks, and are available in two working widths.



## ROTARY TILLERS

Challenger rotary tillers can turn tough soil into a smooth garden spot or flower bed in minutes, and has standard features available only as options on other brands.



## FRONT-MOUNTED TOOLS

Plow through heavy chores with a variety of quick-attach snow and debris handling attachments, including a snow blower, rotary broom, dozer blade and debris blower.



## BACKHOES

For trenching, landscaping, and other digging requirements, a hardworking Challenger backhoe gets the job done. And it's a perfect fit when operating room is limited.

## CHALLENGER SPECIFICATIONS

MODEL	MT225	MT255	MT265
<b>ENGINE</b>			
Gross Engine Horsepower	23.3 @2800	28.4 @2500	33.0 @2600
PTO hp @ Rated Engine RPM (Gear Trans.)	N/A	24.1 @2500	27.0 @2600
PTO hp @ Rated Engine RPM (Hydro Trans.)	19.0 @2800	N/A	25.0 @2600
Aspiration - # of Cylinders	Natural - 3	Natural - 3	Natural - 3
Total Displacement; in.3 (Liters)	68.5 (1.1L)	89.3 (1.45L)	91.4 (1.5L)
<b>TRANSMISSION</b>			
Constant Mesh	N/A	9F x 3R	N/A
Synchronized Mech. Shuttle	N/A	N/A	N/A
Synchronized Power Shuttle	N/A	N/A	16F x 16R
Hydrostatic - No. of Ranges	2 - Range	N/A	3 - Range
Creeper	N/A	N/A	4 - Gears
Clutch Shuttle	N/A	N/A	Wet Multi-Disc
Clutch Main	N/A	2 - Stage Dry	Split Torque Dry
			Hydro - N/A
<b>POWER TAKE-OFF (PTO)</b>			
Type	Independent	Live	Independent
RPM @ Rated Engine Speed - Rear	540	540	540
RPM @ Rated Engine Speed - Mid	2000 Std.	2000 Opt.	2000 Opt.
Clutch	Wet Multi-Disc	2 - Stage Dry	Wet Multi-Disc
Mechanical Disconnect	Yes	Not Appl	Yes
Simultaneous Application	Yes	Yes	Yes
<b>3-POINT HITCH</b>			
ASAE Category	Cat I	Cat I	Cat I
Lift Capacity @ Hitch Point (lbs.)	1,210	1,984	2,755
Lift Capacity @ 24" Behind Ball Ends (lbs.)	694	1,323	2,100
Stabilizers	Adjust Rod	Adjust Rod	Telescopic
Link Ends	Fixed	Fixed	Telescopic
<b>HYDRAULICS</b>			
Total Pump Flow (Gpm)	7.9	9.9	12.2
System Pressure	1,930	2,130	2,130
Hydraulic Flow @ Remotes (Gpm)	5.4	7.4	7.7
Power Steering Flow (Gpm)	2.5	2.5	4.5
<b>POWER STEERING</b>			
Type	Hydrostatic	Hydrostatic	Hydrostatic
<b>BRAKES &amp; FINAL DRIVES</b>			
Brake Type	Dry Shoe	Multi-Wet Disc	Multi-Wet Disc
4-Wheel Drive	Standard	Standard	Standard
Rear Differential Lock	Standard	Standard	Standard
<b>TIRES</b>			
R1 Agricultural (front;rear)	5.00 - 12;9.5 - 16	6 - 14;12.4 - 16	7 - 16;12.6 - 24
R3 Turf (front;rear)	23 x 10.50 - 12;315/75D - 15	24x8.50 - 12;315/80D - 16	212/80D - 15;355/80D - 20
LSW Hi-flotation Turf (front;rear)	N/A	N/A	305R343 -610R470
R4 Industrial (front;rear)	23x8.50 - 12;12 - 16.5	25x8.50 - 14;12.5/80 - 18	25x8.50 - 14;15 - 19.5
R4 Industrial - Optional (front;rear)	N/A	N/A	10 - 16.5;14.9 - 24
<b>DIMENSIONS &amp; WEIGHTS (with std. R4 tires)</b>			
Wheelbase (in)	59.9	64.6	68.5
Overall Length w/3 pt. hitch (in)	105.4	116.5	121.5
Minimum Overall Width (in)	41.0	51	60.6
Treadwidth - Front; (in.)	36.5	42	44
Treadwidth - Rear; (in.)	35.0	37.2	45-56.8
Height Over ROPS Up (in)	75.2	79.3	93.2
Height Over ROPS Dn (in)	Fixed	Fixed	70.8
Weight (field ready); (lbs.)	1,588	2,109	2981
<b>CAPACITIES</b>			
Fuel Tank; gal (L)	6.0 (23)	6.0 (23)	7.9 (30)



# SPECIFICATIONS

MT275	MT285	MT295	MT297
40.1 @2600 32.4 @2600 N/A Turbo - 3 91.4 (1.5L)	40.1 @2600 32.4 @2600 31.7 @2600 Turbo - 3 91.4 (1.5L)	44.2 @2500 37.0 @2500 36.0 @2500 Natural - 4 134.1 (2.2L)	55.3 @ 2500 45.6 @ 2500 N/A Natural - 4 173.0 (2.8L)
N/A 8F x 8R N/A N/A  N/A Wet Multi-Disc Split Torque Dry	N/A N/A 16F x 16R 3 - Range  4 - Gears Wet Multi-Disc Split Torque Dry Hydro - N/A	N/A N/A 16F x 16R 2 - Range Mech 2 - Power Shift 4 - Gears Wet Multi-Disc Split Torque Dry Hydro - N/A	N/A 12F x 12R 16F x 16R N/A  *4 - Gears Wet Multi-Disc Split Torque Dry * PowerShuttle model
Independent 540 2000 Opt Wet Multi-Disc Yes Yes	Independent 540 2000 Opt. Wet Multi-Disc Yes Yes	Independent 540 2000 Opt. (Hydro only) Wet Multi-Disc Yes No	Independent 540 N/A Wet Multi-Disc Yes No
Cat I 2,755 2,100 Telescopic Fixed	Cat I 2,755 2,100 Telescopic Telescopic	Cat I 3,086 2,600 Telescopic Telescopic	Cat I 3,086 2,600 Telescopic Telescopic
12.2 2,130 7.7 4.5	12.2 2,130 7.7 4.5	12.6 2,275 7.4 5.2	17.3 2,275 11.4 5.9
Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Multi-Wet Disc Standard Standard	Multi-Wet Disc Standard Standard	Multi-Wet Disc Standard Standard	Multi-Wet Disc Standard Standard
8 - 16;13.6 - 24 212/80D - 15;355/80D - 20 305R343 - 610R470 25x8.50 - 14;15 - 19.5 10 - 16.5;14.9 - 24	8 - 16;13.6 - 24 212/80D - 15;355/80D - 20 305R343 - 610R470 25x8.50 - 14;15 - 19.5 10 - 16.5;14.9 - 24	9.5 - 16;13.6 - 28 29x12.00 - 15;475/65D - 20 27x12LL - 15;570 - 648 10 - 16.5;17.5 - 24 N/A	9.5 - 16;13.6 - 28 29x12.00 - 15;475/65D - 20 27x12LL - 15;570 - 648 10 - 16.5;17.5 - 24 N/A
68.5 118.5 60.6 44 45-56.8 93.2 70.8 2935	68.5 121.5 60.6 44 45-56.8 93.2 70.8 3001	76.0 140.9 71.5 52.5 52-60 95.9 72.7 3864	73.9 137 71.5 52.5 52-60 95.9 72.7 3878
7.9 (30)	7.9 (30)	12.7 (48.1)	12.7 (48.1)

## ATTACHMENTS AND COMPATIBILITY

MODEL	MT225	MT255	MT265	MT275	MT285	MT295	MT297
<b>FRONT END LOADERS</b>							
ML 10	•						
ML 20		•					
ML 30			•	•	•		
ML 40						•	•
<b>MID-MOUNT MOWERS</b>							
MG 715	•	•					
MG 716		•	•	•	•		
<b>BACKHOE</b>							
MH 20			•	•	•	•	•
<b>FRONT DOZER BLADE</b>							
MDZ 66 66" Medium-Duty		•	•	•	•		
<b>FRONT SNOW BLOWER</b>							
MSB 63 63" Heavy-Duty		•	•	•	•		
<b>FRONT ROTARY BROOM</b>							
MRB 60 60" Heavy-Duty		•	•	•	•		
<b>FRONT DEBRIS BLOWER</b>							
MDB 20		•	•	•	•		
<b>ROTARY TILLERS</b>							
MRT 505 5' Medium-Duty		•	•	•	•		
MRT 516 6' Heavy-Duty				•	•	•	•
<b>3-POINT FINISHING MOWERS</b>							
MG 705 5' Rear Discharge	•	•	•	•	•		
MG 706 6' Rear Discharge		•	•	•	•	•	•
<b>ROTARY CUTTERS</b>							
MC 605 5' Standard-Duty		•	•	•	•		
MC 606 6' Standard-Duty			•	•	•	•	•
MC 616 6' Medium-Duty			▲	▲	▲	•	•
MC 626 6' Heavy-Duty						▲	▲
*MC 627 7' HD W/SLP Clutch							
▲ With loader							
<b>BOX BLADES</b>							
MB 305 5' Medium-Duty		•	•	•	•		
MB 306 6' Medium-Duty			•	•	•	•	•
<b>LANDSCAPE RAKES</b>							
MR 206 6' Medium-Duty	•	•	•	•	•	•	•
MR 207 7' Medium-Duty			•	•	•	•	•
<b>REAR BLADES</b>							
MB 105 5' Standard-Duty	•	•	•	•	•		
MB 106 6' Standard-Duty	•	•	•	•	•		
MB 117 7' Medium-Duty				•	•	•	•
<b>POSTHOLE DIGGER</b>							
MPD 400 (6"-9"-12" Augers)	•	•	•	•	•	•	•

\*Requires >50 PTO H.P.

## LOADER SPECIFICATIONS (ASAE S301.3)

LOADER MODEL	ML10	ML20	ML30	ML40
<b>TRACTOR MODEL(S)</b>	<b>MT225</b>	<b>MT255</b>	<b>MT265, MT275, MT285</b>	<b>MT295, MT297</b>
Maximum Lift Height Under Level Bucket	73.5 in. (1,867 mm)	90 in. (2,299 mm)	98 in. (2,489 mm)	99.75 in. (2,534 mm)
Clearance with Bucket Dumped	53 in. (1,346 mm)	71 in. (1,798 mm)	80 in. (2,019 mm)	80.5 in. (2,045 mm)
Reach At Maximum Lift Height	22 in. (559 mm)	16 in. (406 mm)	22.5 in. (572 mm)	37 in. (940 mm)
Maximum Dump Angle	51 degrees	44 degrees	30 degrees	43 degrees
Maximum Rollback Angle	23 degrees	17 degrees	16 degrees	15 degrees
Digging Depth	1.5 in. (38 mm)	4 in. (98 mm)	7.5 in. (190 mm)	4 in. (102 mm)
Lift Capacity @19.5 in. beyond pivot pin (Max. Ht.)	565 lbs. (256 kg)	785 lbs. (356 kg)	1,050 lbs. (476 kg)	1,600 lbs. (726 kg)



# SUPER SERVICE



## BACKHOE SPECIFICATIONS

### BACKHOE MODEL MH20

Tractor Model(s)	MT265, MT275, MT285, MT295, MT297
Maximum Digging Depth (to 2 ft. flat bottom); in. (mm)	96 in. (2,438 mm)
Maximum Reach; in. (mm)	112.2 in. (2,850 mm)
Maximum Transport Height; in. (mm)	72.8 in. (1,849 mm)
Swing Arc	180 degrees
Bucket Rotation Arc	165 degrees
Bucket Widths	10, 12, 16, 24 & 37 in.

## MAINTENANCE IN MINUTES

With the Challenger MT200 Series tractors, routine checks and maintenance procedures can be handled in just a few minutes. The hood panels are easily and quickly removed, allowing clear access to all engine service and checkpoints.

These tractors have several novel features designed to reduce maintenance costs and maintain performance and fuel economy. A dust ejector on the air filter canister automatically discharges dirt as it collects in the filter. The air filter can be cleaned and reused up to five times. And a slide-out radiator screen is easy to remove and clean to improve cooling.

## WORLD-CLASS SUPPORT

When you own a Challenger MT200 Series tractor, you have the assurance that it's backed by the world-renowned Caterpillar® dealer network. Cat® dealers are second to none when it comes to on-location service. With mobile trucks that carry more diagnostic equipment than most repair shops. Highly trained service technicians who work as hard at preventing problems as they do at fixing them. And, a 24-hour a day parts network that helps minimize downtime and maximize productivity.

When you own a Challenger, you're backed by the finest dealer network in the world.



## WARRANTY

Each Challenger® MT200 Series tractor is under warranty for two full years or 2000 hours of operation, whichever comes first. For longer-term coverage, an optional Extended Service Plan is available. See your Challenger dealer for details.

## ON-THE-SPOT FINANCING

Your Challenger dealer can help arrange financing, often in a matter of minutes. With competitive interest rates, flexible installment plans and commercial lease financing options, you can arrange a payment plan to fit your budget.

You'll be surprised at how affordable a rugged Challenger MT200 Series tractor can be.



AGCO Corporation, 4205 River Green Parkway, Duluth, GA 30096 • Phone (800) 767-3221 • Fax (770) 813-6038 • [www.challenger.agcocorp.com](http://www.challenger.agcocorp.com).  
AGCO® is a Reg. TM of AGCO Corporation. Caterpillar® and Challenger® are Reg. TMs of Caterpillar Inc. ©2002 AGCO Corporation. Part No. CH02416 RP03 (08) 20.

AGCO Corporation has a corporate policy of continuous product improvement and development; therefore, specifications are subject to change without any advance notice. AGCO Corporation is not responsible for differences between the specifications or illustrations contained in this publication and the actual equipment. Implements and attachments shown are to illustrate the use of the tractors and may not be available in North America.