

## The Challenger® MT500B Series

### MORE HORSEPOWER

With 2 new models, more power and better performance than ever before, the Challenger MT500B Series is the ultimate business machine for any operation.

- MT525B - 100 PTO Horsepower (74.6 kW)
- MT535B - 110 PTO Horsepower (82 kW)
- MT545B - 120 PTO Horsepower (89.5 kW)
- MT555B - 130 PTO Horsepower (96.9 kW)
- MT565B - 145 PTO Horsepower (108.1 kW)
- MT575B - 160 PTO Horsepower (119.3 kW)
- **MT585B - 165 PTO Horsepower (123 kW)**
- **MT595B - 180 PTO Horsepower (134 kW)**

### NEW AGCO SISU POWER 74CTA ENGINE

The advanced AGCO SISU POWER 74CTA engine produces greater pulling power at low engine speeds for superb fuel economy and high work rate.

### NEW TECHSTAR CVT *(Continuously Variable Transmission)*

Backed by more than 15 years of service, the TechStar CVT has the fewest number of moving parts of any stepless or powershift transmission in the industry. A separate oil reservoir for the transmission minimizes contamination from implements, ensuring a longer lifespan.

### NEW POWER MANAGEMENT

The Techstar CVT is set by the operator for a specific ground speed. The transmission and the engine then choose the most efficient engine speed to generate the maximum productivity.

### NEW ACTIVE STOP

The new Active Stop feature stops forward/reverse travel by simply raising the shuttle lever. The tractor will stay in place, even on a slope, until the shuttle lever is lowered back into position.



	MT585B	MT595B
<b>ENGINE</b>		
Model	AGCO SISU POWER 74CTA	AGCO SISU POWER 74CTA
PTO HP (kW)	165 (123)	180 (134)
Type	In-line, liquid-cooled diesel	In-line, liquid-cooled diesel
# Cylinders / Displacement - CID (L)	6 / 452 (7.4)	6 / 452 (7.4)
Rated Speed - rpm	2200	2200
Aspiration	Wastegate and air to air	Wastegate and air to air
Bore / Stroke - in (mm)	4.25 (108) / 5.28 (134)	4.25 (108) / 5.28 (134)
Fuel System	Common Rail Electronically controlled	Common Rail Electronically controlled
<b>CAPACITIES</b>		
Fuel Tank - gal (L)	94 (355)	94 (355)
Cooling System - gal (L)	9 (34)	9 (34)
TechStar CVT - gal (L)	13.7 (52)	13.7 (52)
Hydraulic System CVT - gal (L)	26.4 (100)	26.4 (100)
<b>TRANSMISSION</b>		
Type	Techstar CVT	Techstar CVT
Speed Range - mph (kph)	0.01 to 25 (.03 to 40)	0.01 to 25 (.03 to 40)
Optional Speed Range	0.01 to 32 (.03 to 50)	0.01 to 32 (.03 to 50)
<b>FRONT AXLE</b>		
MFWD	Center Pivot, MFD	Center Pivot, MFD
Hydraulic Suspension	Optional	Optional
<b>REAR AXLE</b>		
Bar Axle	Standard	Standard
Tread Width - 18.4 Tires - in (mm)	60 to 88 (1524 to 2235)	60 to 88 (1524 to 2235)
Long Bar Axle	60 to 120 (1524 to 3048)	60 to 120 (1524 to 3048)
<b>BRAKES</b>		
Rear Brakes	Hydraulic wet multi-disc	Hydraulic wet multi-disc
Front Brakes TechStar CVT	Wet brakes on cardan shaft	Wet brakes on cardan shaft
<b>INDEPENDENT PTO</b>		
Type	Electronically controlled	Electronically controlled
540/540E/1000 - 1.375" (35mm)	Standard	Standard
<b>ELECTRICAL SYSTEM</b>		
Alternator	175 amp.	175 amp.
Batteries	(2) 600 SAE cca 12-V	(2) 600 SAE cca 12-V
<b>HYDRAULIC SYSTEM</b>		
Type	Pressure/flow compensated	Pressure/flow compensated
Remotes - std (opt)	4 (3)	4 (3)
Max. Pressure - PSI (BAR)	2900 (200)	2900 (200)
Total Flow - gpm (lpm)	29 (110)	29 (110)
Optional Total Flow - gpm (lpm)	39 (150)	39 (150)

	MT585B	MT595B
<b>3-POINT HITCH</b>		
Control	Electronic	Electronic
<b>LIFT CAPACITY @ 24" - LB (KG)</b>		
TechStar	16140 (7320)	16140 (7320)
<b>FRONT HITCH (OPTIONAL)</b>		
Lift Capacity - lb (kg)	8800 (4000)	8800 (4000)
<b>FRONT PTO</b>		
1000 RPM - 1.375" (35mm)	Optional	Optional
<b>STEERING</b>		
Type	Full power hydrostatic	Full power hydrostatic
<b>DIMENSIONS</b>		
Wheelbase - in (mm)	118 (2996)	118 (2996)
Minimum Width - in (mm)	118.1 (2999)	118.1 (2999)
Height Top of Cab - in (mm)	121.9 (3096)	121.9 (3096)
Overall Length - in (mm)	199.5 (5068)	199.5 (5068)
Under Drawbar Clearance - in (mm)	16 (400)	16 (400)
Shipping Weight - lb (kg) / TechStar	16400 (7440)	16400 (7440)

\* All dimensions measured with single 480/80R46 rear tires and 420/90R30 front tires.



Challenger is a worldwide brand of AGCO.

©2010 AGCO Corporation. AGCO is a registered trademark of AGCO Corporation. Challenger, Caterpillar and Cat are registered trademarks of Caterpillar Inc. and used under license by AGCO. AGCO has a corporate policy of continuous product improvement and development; therefore, specifications are subject to change without any advance notice. AGCO is not responsible for differences between the specifications or illustrations contained in this publication and the actual equipment. All rights reserved. AGCO, 4205 River Green Parkway, Duluth, GA 30096

*Challenger*

[www.NewFromChallenger.com](http://www.NewFromChallenger.com)

