

Challenger

Ready to
DOMINATE



MT500E Series
SPECIFICATIONS



Challenger



New color front dash display with 50% larger SIS make for quick and easy on the go adjustments.



Better airflow into the cooling package and out of the engine compartment provide maximum performance.



Put more power to the ground and enjoy a smoother ride in the field or on the road with our new front axle suspension.

MT500E Series

MT515E | MT525E | MT535E | MT545E

MODEL	MT515E	MT525E	MT535E	MT545E
ENGINE PERFORMANCE				
Maximum ISO engine HP (kW)	140 (104)	150 (111)	160 (119)	175 (130)
ISO Engine hp @ 2100 Rated Engine rpm (kW)	130 (97)	140 (104)	150 (111)	165 (123)
PTO hp @ 2100 Rated Engine rpm (kW)	115 (85)	120 (89)	125 (93)	135 (100)
ENGINE				
Type	AGCO POWER™			
Number of cylinders	6			
Displacement liters (CID)	6.6 (402)			
Aspiration	Turbocharged and air to air intercooler			
TRANSMISSION				
Type	AutoPower IV			
Clutches	2			
Road Speed Range (with 20.8R38 Tires)	25 mph (40 kph) to 31 mph (50 kph) Optional creeper: 0.09–1.80 (.14–2.90) forward/reverse @ 2100 rpm			
Type			AutoPower VI	
Clutches			2	
Road Speed Range (with 20.8R38 Tires)			25 mph (40 kph) to 31 mph (50 kph) Optional creeper (40 kph): 0.07 - 2.07 (.11 - 3.34) forward/reverse @ 2100 rpm Optional creeper (50kph): 0.07 - 2.39 (.11 - 3.84) forward/reverse @ 2100 rpm	
Type			TechStar CVT	
Clutches			None	
Field Speed Range			0.02 - 17 Forward and 0.02 - 10 Reverse (0.03 - 28 Forward and 0.03 - 16 Reverse)	
Road Speed Range			25 mph (40 kph) to 31 mph (50 kph)	
FRONT AXLE				
4 Wheel Drive Differential Lock	Standard - Full-locking, Electro-hydraulic			
4 Wheel Drive Engagement	Electro-hydraulic			
4 Wheel Drive Maximum Steering Angle	55°			
Front Axle Suspension	Standard (Deluxe and Premium Models); Optional (Classic Models)			
3-POINT HITCH - REAR				
Category 2 Telescopic ball end links	Standard			
Stabilizers	Variable Float Telescopic			
Lift capacity at link ends lbs. (kg) Dyna-4™ & Dyna-6™	8,900 (4,035)			
Lift capacity at link ends lbs. (kg) Dyna-VT™			15,500 (5,785)	
3-POINT HITCH - FRONT (OPTIONAL)				
Category 2 hook ends links	Standard			
Lift capacity at link end lbs. (kg)	6,200 (2,315)			
PTO				
Speeds rpm	Classic = 540/1000 Base, 540/540e/1000/1000e Optional Deluxe/Premium = 540/540e/1000/1000e Base, 540/1000 optional AutoPower VI TechStar CVT= 540/540e/1000/1000e			

ALL MODELS	
HYDRAULICS	
System Type	Closed Center Load Sensing (CCLS)
Total Flow Rate - US gal (L) – standard	29 (110)
Total Flow Rate - US gal (L) – optional	50 (190) TechStar CVT
Maximum Pressure – PSI (Bar)	2,900 (200)
Available Flow Rate Per Spool Valves – gpm (L/min)	26.4 (100)
Remotes: Classic – std . (opt.)	3 mechanical (4 mechanical)
Remotes: Deluxe – std . (opt.)	2 electric fingertip, plus 2 mechanical (4 electric fingertip) (electric joystick w/ 2 mechanical or electric fingertip)
Remotes: Premium – std . (opt.)	4 electric fingertip (5 electric fingertip) (electric joystick w/ 2 or 3 electric fingertips)
OPERATOR AREA	
Cab Glass Area ft² (m²)	61 (5.67)
Noise Level dB(A)	MT515E / MT525E / MT535E / MT545E AutoPower IV and AutoPower VI= 69 MT525E / MT535E / MT545E TechStar CVT= 68
Operator Seat - Air Suspension	Standard
Deluxe Operator Seat	Optional (Deluxe and Premium)
Transmission Control(s)	Right Console (Classic) / Armrest (Deluxe/Premium)
Forward Control(s)	Left-hand Control
GUIDANCE SYSTEM	
AUTO-GUIDE ready with Control Center Display	Standard on Deluxe and Premium
CAPACITY	
Fuel Tank Capacity – gal (L)	80 (305)
DEF Tank Capacity – gal (L)	8 (30)

MT500E Series

MT555E | MT565E | MT575E | MT585E | MT595E

MODEL	MT555E	MT565E	MT575E	MT585E	MT595E
ENGINE PERFORMANCE					
Maximum ISO engine HP @ 2,000 engine rpm (kW)	185 (138)	200 (149)	215 (160)	235 (175)	255 (190)
ISO Engine hp @ 2100 Rated Engine rpm (kW)	170 (127)	185 (138)	200 (149)	220 (164)	240 (179)
PTO hp @ 2100 Rated Engine rpm (kW)	145 (108)	155 (116)	165 (123)	180 (134)	200 (149)
ENGINE					
Type	AGCO POWER				
Number of cylinders	6				
Displacement liters (CID)	6.6 (402)		7.4 (452)		
Aspiration	Turbocharged and air to air intercooler				
TRANSMISSION					
Type	AutoPower VI				
Clutches	2				
Road Speed Range (with 20.8R38 tires)	25 mph (40 kph) to 31 mph (50 kph)				
Type	TechStar CVT with Power Management (PM)				
Clutches	None				
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 - 25 mph Forward and 0.02 - 24 mph Reverse (0.03 - 40 km/h Forward and 0.03 - 38 km/h Reverse)				
Road Speed Range – optional	0.02 - 30 mph Forward and 0.02 - 24 mph Reverse (0.03 - 50 km/h Forward and 0.03 - 38 km/h Reverse)				
FRONT AXLE					
4 Wheel Drive Differential Lock	Standard - Full-locking, Electro-hydraulic				
4 Wheel Drive Engagement	Electro-hydraulic				
4 Wheel Drive Maximum Steering Angle	55°				
Front Axle Suspension	Standard (Deluxe and Premium Models); Optional (Classic Models)				
3-POINT HITCH - REAR					
Category 3/3N Quick Hitch	Standard				
Stabilizers	Rub Block				
Lift Capacity at End Links – lbs (kg)	AutoPower VI = 13,500 (6,124) / TechStar CVT = 16,700 (7,575)				
3-POINT HITCH - FRONT (OPTIONAL)					
Category 3N	Standard				
Lift Capacity At Link End – lbs (kg)	7,954 (3,607)				
PTO					
Speeds rpm	Classic = 540/1000 Base, 540/540e/1000 Optional, 540e/1000e/1000 Optional Deluxe/Premium = 540/540e/1000 Base, 540e/1000e/1000 optional AutoPower VI TechStar CVT = 540/540e/1000/1000e				

ALL MODELS	
HYDRAULICS	
System Type	Closed Center Load Sensing (CCLS)
Total Flow Rate - US gal (L) – standard	29 (110)
Total Flow Rate - US gal (L) – optional	50 (190) TechStar CVT 39 (150) AutoPower VI
Maximum Pressure – PSI (Bar)	2,900 (200)
Available Flow Rate Per Spool Valves – gpm (L/min)	26.4 (100)
Remotes: Classic – std . (opt.)	3 mechanical (4 mechanical)
Remotes: Deluxe – std . (opt.)	2 electric fingertip, plus 2 mechanical (4 electric fingertip) (electric joystick w/ 2 mechanical or electric fingertip)
Remotes: Premium – std . (opt.)	4 electric fingertip (5 electric fingertip) (electric joystick w/ 2 or 3 electric fingertips)
OPERATOR AREA	
Cab Glass Area ft ² (m ²)	61 (5.67)
Noise Level dB(A)	MT555E/MT565E AutoPower VI = 69 MT575E AutoPower VI = 69 MT585E AutoPower VI = 70 MT555E/MT565E/MT575E TechStar CVT = 70 MT585E TechStar CVT = 70
Operator Seat - Air Suspension	Standard
Deluxe Operator Seat	Optional (Deluxe and Premium)
Transmission Control(s)	Right Console (Classic) / Armrest (Deluxe/Premium)
Forward Control(s)	Left-hand Control
GUIDANCE SYSTEM	
AUTO-GUIDE ready with Control Center Display	Standard on Deluxe and Premium
CAPACITY	
Fuel Tank Capacity – gal (L)	114 (430)
DEF Tank Capacity – gal (L)	11 (40)
Hydraulic Reservoir Capacity – gal (L)	26.4 (100)

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