

*Challenger*

An MVP on  
**ANY FIELD**



MT600E Series  
SPECIFICATIONS



*Challenger*

## MT600E Series

MT645E | MT655E | MT665E | MT675E | MT685E

MODELS	MT645E	MT655E	MT665E	MT675E	MT685E
<b>ENGINE PERFORMANCE</b>					
Maximum ISO engine HP @ 2,000 engine rpm (kW)	270 (199)	295 (220)	320 (239)	350 (261)	370 (276)
ISO engine HP @ 2,100 rated engine rpm (kW)	240 (177)	265 (198)	290 (216)	320 (239)	340 (254)
PTO HP @ 2,100 rated engine rpm (kW)	205 (151)	225 (168)	250 (186)	275 (205)	290 (216)
<b>ENGINE</b>					
Rated speed (rpm)	2,100				
Type - standard	AGCO POWER 8.4 L				
Number of cylinder	6				
Aspiration	Turbocharged w/ air/air intercooler				
Type of cooling	Liquid cooling				
Displacement liters (CID)	8.4 (514)				
<b>ELECTRICAL SYSTEM</b>					
Alternator / battery (standard)	240 amps / 12 V (twin 120 amp alternators)				
<b>TRANSMISSION</b>					
Type	Techstar CVT with Power Management (PM) 31 mph (50 kph)				
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 - 31 mph Forward and 0.02 - 24 mph Reverse (0.03 - 50 km/h Forward and 0.03 - 38 km/h Reverse)				
Road speed range - 40 kph -optional	Optional - 0.02 - 30 mph Forward and 0.02 - 24 mph Reverse (0.03 - 40 km/h Forward and 0.03 - 38 km/h Reverse)				
Speeds forward	Infinite				
Cruise control speeds	4				
<b>REAR AXLE</b>					
4.33 x 118 in. (110 x 2,999 mm) long axle	Standard				
4.33 x 105 in (110 x 2,550 mm) short axle	Optional				
Differential lock - full-locking, electrohydraulic	Standard				
<b>FRONT AXLE</b>					
4-wheel drive differential lock	Standard - full-locking, electrohydraulic standard				
4-wheel drive maximum steering angle	55°				
<b>HYDRAULICS</b>					
System type	Closed Center Load Sensing (CCLS)				
Total flow rate - US standard gallon (L)	54 (205)				
Maximum pressure PSI (bar)	2,900 (200)				
Remotes - standard / optional	Standard: 4 fingertip controlled valves Optional: 2 fingertip controlled valves and 2 joystick controlled valves / Optional: Additional 1 or 2 more fingertip controlled valves for either version above.				

MODELS	ALL MODELS
<b>THREE POINT HITCH - REAR</b>	
Category 3/4N Quick Hitch	Standard
Maximum lift capacity lbs. (kg) - At Link Ends	26,455 (12,000)
<b>DRAWBAR</b>	
Category 3 with drop pin	Standard
Category 3 heavy duty with drop pin	Optional
Category 4 with drop pin	Optional
<b>PTO</b>	
Speeds - standard rpm	1,000/1,000E
Shaft diameter in. (mm)	1.75 IN. (.45 MM) SHAFT, 20 SPLINE
<b>OPERATOR AREA</b>	
Cab glass area ft_ (m_)	67.3 (6.22)
Noise level dB(A)	71
OptiRide Plus hydraulic suspended cab	Optional
Operator seat - air suspension	Standard
TMC Display	Standard
<b>TECHNOLOGY</b>	
Auto-Guide 3000	Standard
AgCommand	AgCommand Ready Standard, Subscription Optional
<b>DIMENSION &amp; WEIGHT*</b>	
Wheelbase in. (mm)	122 (3,100)
Overall length-front wt. frame to rear link arms in. (mm)	218.6 (5,552)
Maximum height over cab in. (mm)	141 (3,584)
Approx. shipping weight lbs. (kg)	23,810 (10,800)
<b>CAPACITY</b>	
Fuel tank capacity US gallon (L) w/ e3 technology	166 (630)
DEF (AdBlue) usable tank capacity US gallon (L) (optional)	15.8 (60)

\* All dimensions measured with Dual 520/85R46 rear tires and 1480/70R34 front tires

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