

Challenger

An MVP on
ANY FIELD



MT600E Series
SPECIFICATIONS



Challenger

MT600E Series

MT645E | MT655E | MT665E | MT675E | MT685E

MODELS	MT645E	MT655E	MT665E	MT675E	MT685E
ENGINE PERFORMANCE					
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)
ENGINE					
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)				
ELECTRICAL SYSTEM					
Alternator / battery (standard)	240 amps / 12 V (twin 120 amp alternators)				
TRANSMISSION					
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				
REAR AXLE					
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				
FRONT AXLE					
4-wheel drive differential lock	Standard - full-locking, electrohydraulic standard				
4-wheel drive maximum steering angle	55°				
HYDRAULICS					
System type	Closed Center Load Sensing (CCLS)				
Total flow rate - US standard gallon (L)	54 (205)				
Maximum pressure PSI (bar)	2,900 (200)				
Remote Valves - 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
THREE POINT HITCH - REAR	
Category 3/4N Quick Hitch	Standard
Maximum lift capacity lbs. (kg) - At Link Ends	26,455 (12,000)
DRAWBAR	
Category 3 with drop pin	Standard
Category 3 heavy duty with drop pin	Optional
Category 4 with drop pin	Optional
PTO	
Speeds - standard rpm	1,000/1,000E
Shaft diameter in. (mm)	1.75 IN. (45 MM) SHAFT, 20 SPLINE
OPERATOR AREA	
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
TECHNOLOGY	
Auto-Guide 3000	Standard
AgCommand	AgCommand Ready Standard, Subscription Optional
DIMENSION & WEIGHT*	
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)
CAPACITY	
Fuel tank capacity US gallon (L)	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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