

Challenger®

MT700 SERIES



SERIOUS
MACHINERY

MODEL	MT735	MT745	MT755	MT765
PTO HP @ rated 2,100 RPM*	185 (138 kW)	205 (153 kW)	235 (175 kW)	255 (190 kW)
GROSS ENGINE HP	235 (175 kW)	255 (190 kW)	290 (216 kW)	306 (228 kW)
DRAWBAR HP*	178 (133 kW)	197 (147 kW)	226 (169 kW)	245 (183 kW)
PTO torque rise	52%	52%	52%	52%
ENGINE DISPLACEMENT	538 cu. in. (8.8 L)	538 cu. in. (8.8 L)	538 cu. in. (8.8 L)	538 cu. in. (8.8 L)
GOVERNOR TYPE (HEUI)	Electronic	Electronic	Electronic	Electronic
ALTERNATOR	160 amp	160 amp	160 amp	160 amp
TRANSMISSION	Cat® Powershift 16F/4R Optional Creeper 4 to 1 reduction			
Transport speed	24.6 mph (39.6 kph)			
DIFFERENTIAL/STEERING	Cat differential steering			
GAUGE OPTIONS	60" to 88" (1,524-2,235 mm), 80" to 120" (2,032-3,048 mm), 120" to 160" (3,048-4,064 mm)			
GAUGE ADJUSTMENT METHOD	Bar axle			
BELT OPTIONS				
General Ag	16", 18", 20", 25", 30" (406.4, 457.2, 508, 635, 762 mm)			
Low Profile Treadbar	16", 18", 25" (406.4, 457.2, 635 mm)			
Extreme Application	14", 16", 18", 20", 25", 30" (355.6, 406.4, 457.2, 508, 635, 762 mm)			
UNDERCARRIAGE				
Wheelbase	96" (2,438 mm)			
Hardbar Suspension	Two Marsh Mellow® springs**			
Undercarriage Suspension	Suspended Midwheels			
Idlers	Narrow, Medium, Wide			
Midwheels	Narrow, Medium, Wide			
Drivers	Narrow, Medium, Wide			

*Manufacturer's estimate **Marsh Mellow® spring is a registered trademark of Firestone Industrial Products Company. ***Not available on all configurations

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HITCH	
3 pt. standard	16,000 lb (7,257 kg)
Optional steerable 3 pt.	16,000 lb (7,257 kg)
Optional wide swinging drawbar	Roller type/32 degrees swing
PTO	1,000 RPM 20 spline 1.75" (44.4 mm)
HYDRAULICS	
Max. flow	43.5 GPM (164.7 l/m)
Max. system pressure	2,900 PSI (19,995 kPa)
Remotes standard/optional	4/5/6
Exclusive features	Load-Independent Flow Division
FUEL CAPACITY	
60" to 88" gauge	118 U.S. gal (446.7 L)
80" to 120" gauge	178 U.S. gal (673.8 L)
120" to 160" gauge	178 U.S. gal (673.8 L)
Optional fuel capacity***	208 U.S. gal (787.4 L)
OTHER KEY FEATURES	
Instructional seat	Standard
Toolbox	Standard, 24" (610 mm) length, 150 lb (68 kg) capacity
Optional external mirrors	Manual or electric
Auto-Guide™ satellite navigation	Optional Submeter, Decimeter, Centimeter
Caterpillar Product Link	Optional
Battery disconnect	Optional
Nightbreaker™ HID lights, 4 HID lights	Optional
Steering wheel radio controls	Optional
Decelerator pedal	Optional