

# Challenger®

## MT600 SERIES



SERIOUS  
MAGHINERY

MODEL	MT635	MT645	MT655	MT665
<b>ENGINE</b>				
PTO HP (kW)	160 (119)	180 (134)	200 (149)	225 (168)
Engine	SISU 7.4L	SISU 7.4L	SISU 8.4L	SISU 8.4L
Cooling	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled	Liquid-Cooled
Fuel	Diesel	Diesel	Diesel	Diesel
Rated Speed	2,200 RPM	2,200 RPM	2,200 RPM	2,200 RPM
Aspiration	Turbo Aftercooled	Turbo Aftercooled	Turbo Aftercooled	Turbo Aftercooled
Displacement cu in (liter)	452 (7.4)	452 (7.4)	513 (8.4)	513 (8.4)
Bore in (mm)	4.25 (108)	4.25 (108)	4.4 (111)	4.4 (111)
Stroke in (mm)	5.3 (136)	5.3 (136)	5.7 (145)	5.7 (145)
# Cylinders	6	6	6	6
<b>FUEL TANK CAPACITY</b>				
U.S. gal (L)	120 (454)	120 (454)	120 (454)	120 (454)
<b>TRANSMISSION</b>				
Standard	Powershift 18F x 6R	Powershift 18F x 6R	Powershift 18F x 6R	Powershift 18F x 6R
Optional	Creeper	Creeper	Creeper	Creeper
<b>FORWARD REVERSE SHUTTLE</b>				
Standard	Standard	Standard	Standard	Standard
<b>BRAKES</b>				
Type	Hydraulic Wet Disc	Hydraulic Wet Disc	Hydraulic Wet Disc	Hydraulic Wet Disc
<b>POWER TAKE-OFF (PTO)</b>				
Speeds rpm	540/1,000	1,000	1,000	1,000
<b>HYDRAULIC SYSTEM</b>				
Type	Closed-Center, PFC	Closed-Center, PFC	Closed-Center, PFC	Closed-Center, PFC
# Remotes	4	4	4	4
Max. Pressure psi (bar)	2,900 (200)	2,900 (200)	2,900 (200)	2,900 (200)
Std Output gpm (lpm)	29 (110)	29 (110)	29 (110)	29 (110)
Optional Flow gpm (lpm)	39 (148)	39 (148)	39 (148)	39 (148)

All Challenger MT600 tractors are available.

**FIELDSTAR READY**

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MODEL	MT635	MT645	MT655	MT665
<b>3-POINT HITCH</b>				
3-Point Hitch Control	Electronic	Electronic	Electronic	Electronic
Category	III/IIIN	III/IIIN	III/IIIN	III/IIIN
3-Point Hitch Stabilizers	Sway Blocks	Sway Blocks	Sway Blocks	Sway Blocks
SAE Lift Capacity @ 24" lbs (kg)	16,100 (7,303)*	18,400 (8,436)*	19,700 (8,936)*	19,700 (8,936)*
Lower Draft Arm Link Ends	Telescopic	Fixed	Fixed	Fixed
<b>DIMENSION</b>				
Wheel base - in (mm)	121 (3,073)	121 (3,073)	121 (3,073)	121 (3,073)
Minimum Width - in (mm)	98.2 (2,494)	98.2 (2,494)	98.2 (2,494)	98.2 (2,494)
Height Top of Cab - in (mm)	120 (3,048)	120 (3,048)	120 (3,048)	120 (3,048)
Overall length - in (mm)	203 (5,156)	203 (5,156)	203 (5,156)	203 (5,156)
<b>APPROXIMATE SHIPPING WEIGHT</b>				
PFA Cab lbs (kg)	18,500 (8,392)	18,500 (8,392)	19,700 (8,936)	19,700 (8,936)
*Manufacturer's Estimate				

## COMPETITIVE COMPARISONS

Feature	Challenger
EXTENDABLE MIRRORS	Standard
WEIGHT BRACKETS	Standard
MICHELIN TIRES	Standard
LONG AXLES	Standard
4 REMOTE VALVES	Standard

- The Challenger MT600 Series feature up to 40% more lift capacity than the major competition.
- The Challenger 18-speed powershift features 20% more working and transport speeds than the major competition.
- The 18-speed powershift is also a “True Dual Control Powershift” with control of the speed changes in two convenient locations.
- The John Deere 8020 hydraulic timing system will only allow the flow timing to be set between 1 and 19 seconds. The Challenger 600 Series tractors equipped with Touch Master™ Hydraulic Management System and the Power Performance Display allows the timing to be set between 1 and 60 seconds. This allows more implement functions to be timed and controlled electronically.
- The Challenger MT600 Series provides a tilt and pivoting hood that allows full exposure of the engine and major components.
- The Challenger MT635 features 540 and 1,000 rpm PTO.