

*Challenger*

# LEADS EVERY FIELD

MT700E & MT800E Series Track Tractors  
MT755E | MT765E | MT775E | MT845E | MT855E | MT865E | MT875E



*Challenger*





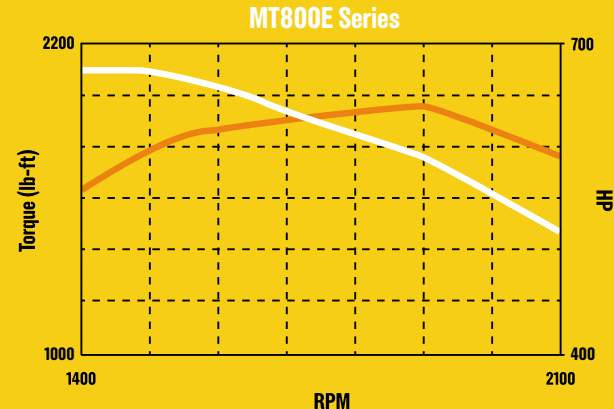
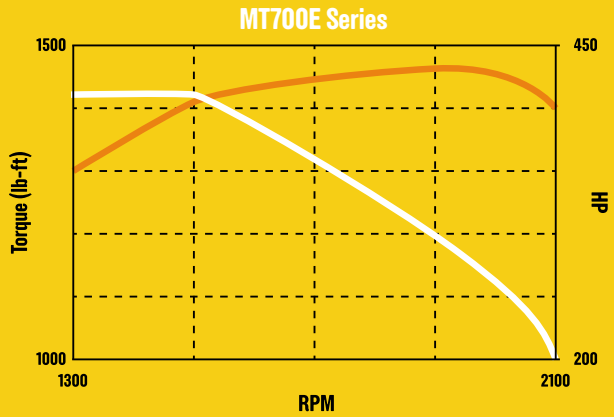


# CHOOSE YOUR NEW WEAPON

Introducing the Challenger MT700E & MT800E Series tractors, a new line of heavy-duty, high-horsepower rubber-tracked farm tractors designed to stretch the limits of productivity and performance. These new tractors are the result of decades of design and engineering leadership in rubber-belted track technology.

Model	Engine	Rated engine power HP(kW) @ 2,100 rpm	Max.power HP (kW) @ 1,900 rpm
MT755E	AGCO Power™ 9.8L	355 (261)	384 (282)
MT765E	AGCO Power™ 9.8L	381 (280)	411 (302)
MT775E	AGCO Power™ 9.8L	405 (298)	438 (322)

Model	Engine	Rated engine power HP(kW) @ 2,100 rpm	Max.power HP (kW) @ 1,900 rpm
MT845E	AGCO Power™ 16.8L	457 (336)	492 (362)
MT855E	AGCO Power™ 16.8L	496 (365)	536 (394)
MT865E	AGCO Power™ 16.8L	548 (403)	592 (435)
MT875E	AGCO Power™ 16.8L	598 (440)	646 (475)



A long, flat, sustainable torque curve means serious lugging ability. Power through tough spots without stalling. High torque at lower RPMs equals better productivity and efficiency.

Engine Power  
Engine Torque



# TORQUE THAT RISES TO THE OCCASION

The new AGCO POWER engines found in the MT700E and MT800E Series track tractors possess superior torque. By generating a greater torque rise over a wider range of RPMs, you get unmatched lugging ability for maximum productivity. Abandon the need to downshift or pull an implement out of the ground should the going get tough. With a higher sustained torque curve, you'll operate at lower RPMs to save on fuel while extending engine life.

How is this possible? Because all AGCO POWER engines are specifically designed from the ground up for ag applications – not retrofitted from an on-highway engine. Whether you arm yourself with the AGCO POWER 9.8L or 16.8L engine you'll cover more ground in less time so you'll never find yourself racing to beat sundown.

New AGCO POWER 9.8L and 16.8L engines deliver more horsepower and greater efficiency.

- New turbocharger packages provide excellent engine response and high torque at all engine RPMs
- Hits the power sweet spot for maximum efficiency
- Impressively long, flat torque curve and high torque rise at low RPMs
- Massive pulling power with minimal fuel consumption
- Backed by more than five years of rigorous field testing



# POWER TO THE GROUND WE INVENTED IT

Power under the hood is one thing – But the new MT700E and MT800E Series also feature our patented Mobil-trac system that redefines the meaning of power to the ground. Unlike some competitors who simply retrofit their wheel tractors with tracks, we engineered these tractors from the ground up to be track machines – ballasted correctly from the start to ensure a better ride and more efficient transfer of power.

But there's much more than brute power at play here. Comfort becomes critical when putting in a long day in the field. The Mobil-trac system delivers the most comfortable ride in the industry with Marsh Mellow® springs that compress and expand to allow the hardbar to oscillate freely. This reduction in vibration delivers a ride that's far more comfortable than competitive air-bag suspension systems.

## PATENTED OSCILLATING MIDWHEELS

- Maximum track to ground contact for improved traction
- Reduced compaction for better yields

## FRICTION DRIVE SYSTEM

- The large diameter driver allows for more belt contact, which translates into more power to the ground, longer belt life and lower rolling resistance

## TRACKS

- Available gauge settings from 182cm - 406cm (72"-160") and eight-track widths
- MT700E – 18" – 34" track offerings
- MT800E – 27.5" – 36" track offerings
- General Agriculture, Extreme Agriculture and Extreme Application tracks



*High-tech Marsh Mellow® springs significantly reduce vibration for a smoother ride*

# TOUGH POWER BROKER

## IN-LINE DRIVETRAIN

The drivetrain on the Challenger MT700E & MT800E Series is designed and engineered to transfer the serious power of the engines to the ground-grabbing tracks. These aren't converted from a wheeled tractor powertrain. They're the strongest, most durable drivetrains in the industry.

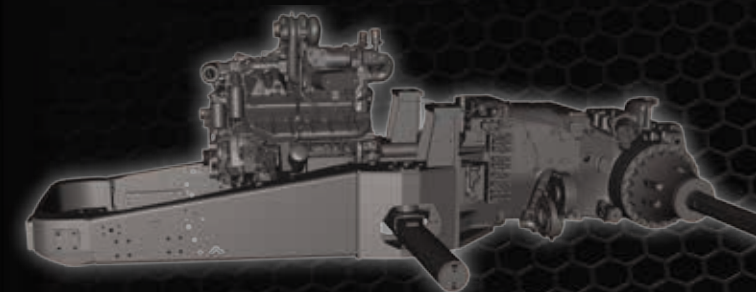
It all starts with some hard-hitting parts: an AGCO POWER engine designed from the ground up for agricultural use, a proven CAT transmission and our unique Mobil-trac system to give you a reliable system that works together. As the original designer of the track tractor, we build upon the best design out there and keep our lead by continuing to improve it.

## CAT POWERSHIFT TRANSMISSION

The MT700E and MT800E Series approach to power delivery is all about smooth moves. With new CAT Powershift software, you'll immediately take notice of smoother shifting. The results are less restriction for forward momentum and reduced power loss. Not only is this more efficient, but it improves the ride for less wear on the most important part of the tractor – the operator.

- Simple intuitive transmission control lever with up/down shift buttons
- Exclusive Power Management automatically shifts gears to maintain ground speed and minimise fuel consumption
- 16 Forward gears provide up to 40 km/h to minimise transport time

## FACTORY ENGINEERED 3 METER CENTRES WITH FULL WARRANTY



*In-line frame design maximises total efficiency of power transfer from the engine to the transmission for unmatched power to the ground.*



# SERIOUS EFFICIENCY

When it comes to hydraulics, Challenger steps up to today's demanding applications by greatly increasing your flow capacity. The MT700E and MT800E Series make it easier to get work done with a hydraulic system built for today's demanding implements. It starts with a design built around two pumps. The second pump kicks in only when the going gets tough, keeping the system efficient. At up to 321 litres per minute flow, there's enough pump capacity to handle the most hydraulically demanding implements.

Take advantage of up to 6 hydraulic remotes plus an available 3-point hitch. The MT700E and MT800E Series also come well-equipped with a closed-centre, load sensing, pressure-flow compensating (PFC) system and interchangeable valve couplers. Where Power Beyond\* is fitted, you have the ability to provide continuous, full flow directly to meet the most demanding hydraulic requirements.



\*Power Beyond optional



# WORKING HARD NEVER FELT SO GOOD

The MT700E and MT800E Series tractors both feature an ergonomically designed Pinnacle View Cab for a panoramic 360-degree view – putting you on the front row of productivity.

Settle into our new optional deluxe, vented-leather seat that maximises operator comfort with temperature controls and a wider range of adjustments. Power Management and hydraulic controls are conveniently positioned on the armrest control. As you glide through the field with oscillating midwheels and Marsh Mellow® springs under your cab, the air suspension seat beneath you is the icing on the cake making long days seem not quite so long.



*Auto-Guide™ 3000 Advanced offers greater efficiency in the field with satellite-assisted steering with optional touchscreen for best-in-class ease of use*



*New heated and ventilated leather seat option maximises operator comfort*



*Industry-exclusive TMC (Tractor Management Centre) armrest puts core functions at the operator's fingertips*



# SERVICING MADE EASY

With the Challenger MT700E and MT800E Series tractors, routine maintenance is fast, straightforward and simple – in short, less stressful. They have convenient access points from the ground and an easy open bonnet. That means you don't waste time in the morning and get into the field faster.

The innovative on-board Tractor Management Centre (TMC) monitors long-term service intervals and alerts the operator when scheduled maintenance is due. The TMC screen provides diagnostics in both text and code.



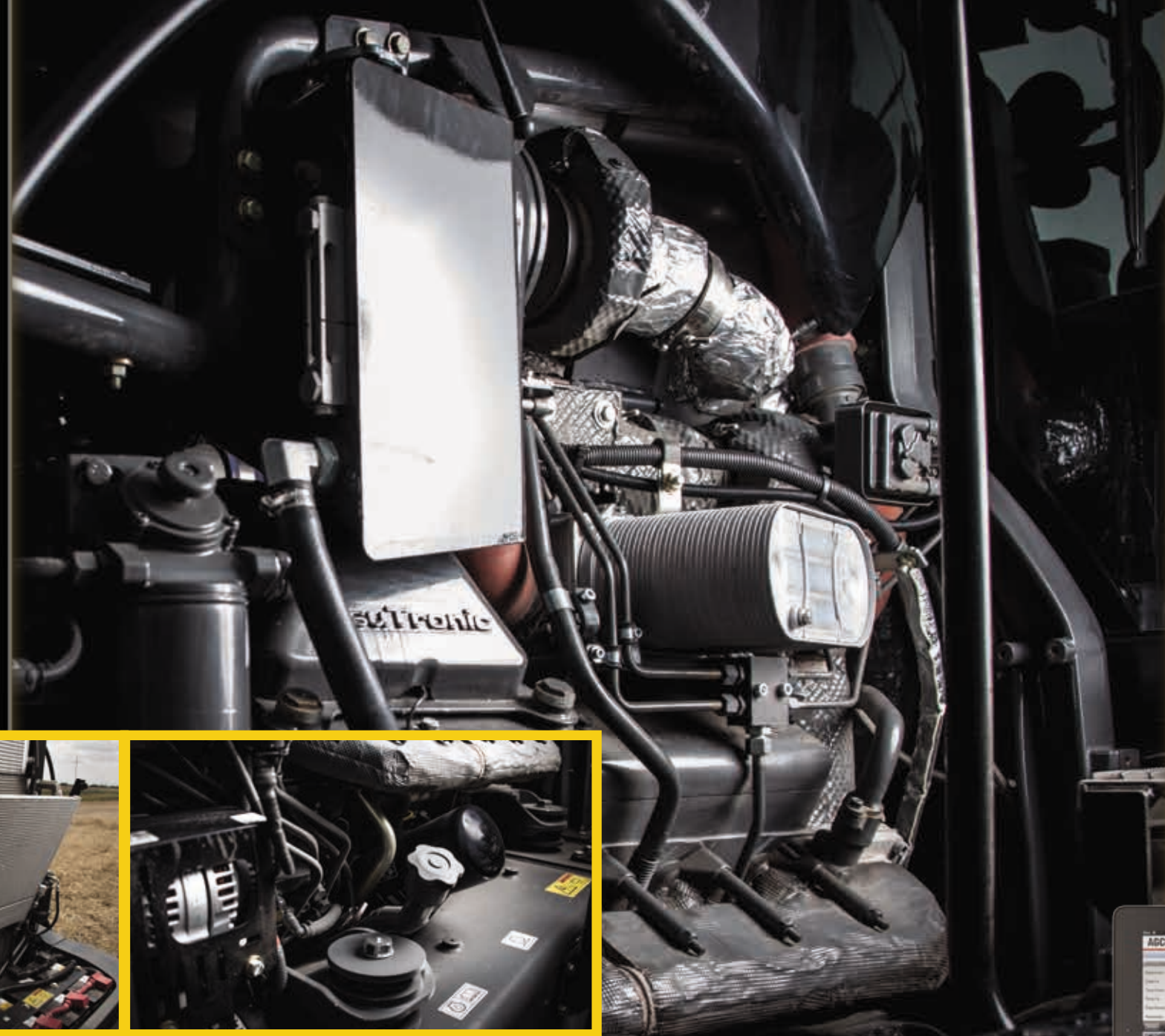
Engine air filter is easily removed and conveniently positioned



Engine cooling package with easy-to-clean two-plane design



Engine oil can be checked and topped from ground level



# IMPROVE EFFICIENCY WITH PRECISION TECHNOLOGY

## FUSE TECHNOLOGIES

AGCO's global precision farming initiative brings together and optimises all of AGCO's current and future technology products and services including guidance, steering, telematics, diagnostics, application controls, yield metering, mobile apps and grain storage monitoring. Fuse Technologies supports growers throughout the entire crop cycle by maximising uptime and putting all farm assets in the right place at the right time. Learn more at [www.AGCOtechnologies.com](http://www.AGCOtechnologies.com).

## AGCOMMAND®

AGCO's AgCommand® is an industry-leading tool that allows wireless transfer of your vehicle data back to your office or mobile device. Access everything you need to optimise performance, monitor vehicle service intervals, monitor operating costs and generate easy-to-use information to drive efficiency and productivity. AgCommand®'s applications tell you where your machines are and what they're doing – putting you in complete control like never before.

The data is transferred to a secure internet site that can be viewed from your laptop, iOS phone or iOS tablet.



## AUTO-GUIDE 3000

Auto-Guide 3000 is a complete, integrated autosteering system that works seamlessly with your AGCO vehicle terminal. It uses advanced satellite navigation and the TMC Display to steer the tractor, removing much of the tedium of field operations and leaving the operator free to focus their attention on optimising settings and monitoring work more closely. This highly advanced but simple-to-use system will help you reduce input costs as well as operator fatigue.

At the end of the day, significantly reduced operator fatigue equals increased accuracy and greater efficiency on the farm.



## FUSE CONTACT CENTRE

The Global Fuse Contact Centre is a customer support resource open seven days a week that assists growers with setup, calibration and operational support on AGCO precision agriculture and machine communication technology products. Visit [www.AGCOtechnologies.com/support](http://www.AGCOtechnologies.com/support) for more information or call 1800 210 385 (Australia) or 0800 442 677 (New Zealand).



CHALLENGER MT700E Series Specifications – MY16

MT755E\* | MT765E | MT775E

MODELS				
ENGINE – *ECER120		MT755E*	MT765E	MT775E
Engine Type		AGCO Power		
Size /Cylinders	CC/No	9800 / 7 Cylinder		
Rated power* @ 2100 rpm	HP (kW)	355 (261)	381 (280)*	405 (298)*
Max power* @ 1900 rpm	HP (kW)	384 (282)	411 (302)*	438 (322)*
Max torque* @1500 rpm	NM	1685	1808	1921
TRANSMISSION				
Type		Caterpillar® Powershift		
Steering Differential		Caterpillar® Differential Steering		
Powershift Ratios		16F/4R		
Minimum Speed @ 2100 rpm	KM/H	2.67		
Maximum Speed @ 2300 rpm	KM/H	39.7		
Ratios from 6.5 – 14.5km/h	KM/H	8		
Creeper Minimum Speed @ 2100 rpm	KM/H	0.67 (Option)		
PTO (REAR)				
Operation / Control		Electronic		
Standard PTO speeds	RPM	1000		
Engine rpm at standard speed	RPM	1980		
Shaft		20 Spline 1¾"		
GAUGE OPTION				
Standard Spec – Wide	CM	203 - 304		
Narrow – Option	CM	182 - 223		
Ultra Wide – Option	CM	304 - 406		
MOBIL-TRAC UNDERCARRIAGE				
Hardbar Suspension		Two Marsh Mellow Springs		
Undercarriage Suspension		Oscillating Polyurethane Mid Wheels		
Hardbar Oscillation		Stabiliser Bar with 8° Range of Motion		
TRACK EQUIPMENT				
Type – Standard		18" General Ag	20" Extreme Application	
General Agricultural – Option	Inches	18, 20, 25, 30, 34		
Extreme Agricultural – Option	Inches	25, 30, 34		
Extreme Application – Option	Inches	18, 20, 25, 30		
HYDRAULICS				
Type		Closed Centre, Pressure flow Compensated		
Auxiliary services – Standard		Independent Circuit 220L/min		
Auxiliary services – Option		Independent Circuit – 321L/min		
Valves	STD (OPT)	½" Couplers 5 (6)		
Maximum Pressure	BAR	200		

\*Consult your local dealer on model availability.

MODELS				
LINKAGE		MT755E*	MT765E	MT775E
Controls		Electronic (with Auto PTO)		
Rear – Maximum Lift capacity	KG	7257 @ 610mm past the ball end (SAEJ283)		
Rear Link type – Linkage Arms	STD (OPT)	Category 3 Ball ends (Hook Ends Cat 3/4)		
Rear Link type – Quick Hitch	STD (OPT)	Quick Hitch Cat 3 / 4N (Removal of Quick Hitch)		
BRAKES				
Type		Wet Disc		
FUSE TECHNOLOGY				
AgCommand – Telemetry 3G Phone Network	STD (OPT)	1 year standard (upgrade advanced)		
Isobus	STD (OPT)	Integrated into TMC console (upgrade to C3000)		
AutoGuide 3000	(OPT)	Optional Fitment		
C3000 Premium Console	(OPT)	Optional Fitment		
ELECTRICAL SYSTEM				
Alternator	12V	2 x 150 amp (300 amp)		
WEIGHTS AND DIMENSIONS – WIDE GAUGE				
Weight – Standard Spec	KG	16,531		
Weight – Maximum	KG	17,360		
Weight – Dry Shipping	KG	14,118		
Weight – Maximum Gross Vehicle (combined)	KG	56,750		
Approximate height	MM	3662		
Width – Minimum	MM	3354		
Turning Circle	MM	0		
Ground Pressure – Standard Spec	KG /CM²	0.66		
Fuel tank Capacity	L	938 STD / 769 (2 Meter Gauge)		

CHALLENGER MT800E Series Specifications – MY16

MT845E\* | MT855E | MT865E | MT875E

MODELS					
ENGINE – *ECER120		MT845E*	MT855E	MT865E	MT875E
Engine Type		AGCO Power			
Size /Cylinders	CC/No	16800 / 12 CYLINDER			
Rated power @ 2100 rpm	HP (kW)	457 (336)	496 (365)*	548 (403)*	598 (440)*
Max power @ 1900 rpm	HP (kW)	492 (362)	536 (394)*	592 (435)*	646 (475)*
Max torque @1500 rpm	NM	2170	2360	2600	2840
TRANSMISSION					
Type		Caterpillar® Powershift			
Steering Differential		Caterpillar® Differential Steering			
Powershift Ratios		16F/4R			
Minimum Speed @ 2100 rpm	KM/H	2.67			
Maximum Speed @ 2300 rpm	KM/H	39.7			
Ratios from 6.5 – 14.5km/h	KM/H	8			
PTO (REAR)					
Operation / Control		Electronic			
Standard PTO speeds	RPM	1000			
Engine rpm at standard speed	RPM	1980			
Shaft		20 Spline 1¾"			
GAUGE OPTION					
Standard Spec – Wide	CM	203 – 321			
MOBIL-TRAC UNDERCARRIAGE					
Hardbar Suspension		Two Marsh Mellow Springs			
Undercarriage Suspension		Oscillating Polyurethane Mid Wheels			
Hardbar Oscillation		Stabiliser Bar with 8° Range of Motion			
TRACK EQUIPMENT					
Type – Standard		30" Extreme Agriculture			
General Agricultural – Option	Inches	27.5, 30, 36			
Extreme Agricultural – Option	Inches	27.5, 30			
Extreme Application – Option	Inches	27.5, 30, 36			
HYDRAULICS					
Type		Closed Centre, Pressure flow Compensated			
Auxiliary services – Standard		Independent Circuit 321L/min			
Auxiliary services – Option		Independent Circuit – 220L/min			
Valves	STD (OPT)	½" Couplers 5 (6)			
Maximum Pressure	BAR	200			

MODELS					
DRAWBAR		MT845E*	MT855E	MT865E	MT875E
Standard		Mechanical Roller – Category 5 (Cat 4 reducer)			
Option – Controlled Hydraulic		Hydraulic Controlled – Category 5			
Weight – Maximum down	KG	5670			
Controls		Steerable / Electronic (with Auto PTO)			
Rear – Maximum Lift capacity	KG	8845 @ 610mm past the ball end (SAEJ283)			
Rear Link type		Quick Hitch Cat 4			
BRAKES					
Type		Wet Disc			
FUSE TECHNOLOGY					
AgCommand – Telemetry 3G Phone Network	STD (OPT)	1 year standard (upgrade advanced)			
Isobus	STD (OPT)	Integrated into TMC console (upgrade to C3000)			
AutoGuide 3000	(OPT)	Optional Fitment			
C3000 Premium Console (30cm Touch Screen)	(OPT)	Optional Fitment			
ELECTRICAL SYSTEM					
Alternator	12V	2 X 150 amp (300 amp)			
WEIGHTS AND DIMENSIONS – WIDE GAUGE					
Weight – Standard Spec	KG	21,718			22,274
Weight – Maximum	KG	25,041			25,041
Weight – Dry Shipping	KG	19,321			19,321
Approximate height	MM	3630			
Width – Minimum	MM	3601			
Turning Circle	MM	0			
Ground Pressure – Standard Spec	KG /CM <sup>2</sup>	0.48			0.49
Fuel tank Capacity	L	1250			

\*Consult your local dealer on model availability.



### **MT700E & MT800E Series Track Tractors**

MT755E | MT765E | MT775E | MT845E | MT855E | MT865E | MT875E

Every effort has been made to ensure that the information contained in this publication is as accurate and current as possible. However, inaccuracies, errors or omissions may occur and details of the specifications may be changed at any time without notice. Therefore, all specifications should be confirmed with your Challenger Dealer or Distributor prior to any purchase.

**Visit the Challenger Site: [www.challenger-ag.com.au](http://www.challenger-ag.com.au)**

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