



# Product Marketing Bulletin

**MASSEY FERGUSON**

**Date:** August 15, 2016  
**Bulletin:** MF16-40PMB  
**Subject:** Massey Ferguson 2700E Series vs. John Deere 4M Series  
**Distribution:** Massey Ferguson Dealers



The Massey Ferguson 2700E Series meshes the durability of a utility tractor with the simplicity and functionality of a compact. With two models ranging from 48.8 – 57.3 engine horsepower, this series is the ideal piece of machinery for many hobby farmers, landowners, and outdoorsmen.

The 2700E Series tractors are designed to perform in a market that is full of competitive compact and utility tractors, one of which is the John Deere 4M Series. The purpose of this bulletin is to provide a competitive comparison of the Massey Ferguson 2700E Series vs. the John Deere 4M Series to help our dealers and field staff better sell against the competition.



Massey Ferguson 2700E Series vs. John Deere 4M Series

Massey Ferguson 2700E	John Deere 4M
2705E @ 48.8 HP (36.4 kW)	4044M @ 43.1 HP (32.1 kW)
	4052M @ 51.5 HP (37.9 kW)
2706E @ 57.3 HP (42.7 kW)	4066M @ 65.9 HP (48.5 kW)

Overview

<p><b>Engine</b> – Both models in the 2700E Series feature a 2.2L 4-cylinder Shibaura diesel engine. These turbocharged engines meet Tier IV Final requirements utilizing a diesel oxidation catalyst (DOC) and exhaust gas recirculation (EGR). High pressure common rail fuel injection (HPCR) makes these engines incredibly efficient and reliable.</p>	<p><b>Benefit</b> – Shibaura is a Japanese based tractor and diesel engine manufacturer with a reputation of producing engines for manufacturers such as the Ford Motor Tractor Division and Perkins. The engines used in the 2700E Series are efficient enough to meet T4F emissions standards without the use of a diesel particulate filter (DPF) or diesel exhaust fluid (DEF).</p>
<p><b>Transmission</b> – The 2700E Series is available in two transmission options: an 8x8 mechanical shuttle transmission and a three range hydrostatic transmission with a forward/reverse rocker pedal. The hydrostatic transmission option features mechanical cruise control.</p>	<p><b>Benefit</b> – Two transmission options allow the 2700E Series to be configured to meet an assortment of customer preferences. The 8x8 mechanical shuttle transmission fits well in mowing and hauling applications while the three range hydrostatic transmission is ideal for loader work.</p>
<p><b>Hydraulics</b> – The 2700E Series utilizes two transmission mounted hydraulic pumps. One to power the 3-point hitch and remotes and the other is dedicated to the power steering.</p>	<p><b>Benefit</b> – The 2700E Series is a leader in its class with regards to hydraulic flow. A higher flow rate translates to stronger and faster implement and loader response.</p>
<p><b>PTO</b> – Both models in the 2700E Series feature an independent 540 RPM rear PTO. The PTO is electro-hydraulically engaged with a push knob and feature a modulation button for low-impact startup.</p>	<p><b>Benefit</b> – Electro-hydraulic PTO engagement makes engaging/disengaging the PTO simple and easy for the operator. Additionally, the gradual startup feature makes PTO engagement simple and reduces stress on both tractor and implement gear boxes.</p>
<p><b>Configurations</b> – All 2700E Series tractors are available in a 4WD platform configuration only.</p>	<p><b>Benefit</b> – The 2700E Series offers an open operator station with intuitive control layouts and a fully flat platform – all at an economic price.</p>
<p><b>Comfort</b> – The operator’s station features a fully flat platform, a suspended deluxe vinyl seat, left side steps and a grab handle for entry, as well as a standard cup holder and toolbox.</p>	<p><b>Benefit</b> – The 2700E Series’ open platform design provides the operator with easy entry and exit of the tractor as well as plenty of leg room while sitting in the seat. All controls are located within easy reach allowing the operator to easily and comfortably make adjustments to settings.</p>



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**Engine**

<p><b>2700E</b>  2.2L 4-cylinder Shibaura diesel engine</p> <ul style="list-style-type: none"> <li>• 2,600 RPM rated engine speed</li> <li>• Turbocharged, after-cooled</li> <li>• High pressure common rail fuel system (HPCR)</li> </ul> <p>Emissions</p> <ul style="list-style-type: none"> <li>• Externally cooled exhaust gas recirculation (EGR)</li> <li>• Diesel oxidation catalyst (DOC)</li> <li>• <b><u>NO</u> diesel particulate filter (DPF)</b></li> <li>• <b><u>NO</u> diesel exhaust fluid (DEF)</b></li> </ul>	<p><b>4M</b>  2.2L 4-cylinder Yanmar diesel engine in the 4044M</p> <ul style="list-style-type: none"> <li>• 2,600 RPM rated engine speed</li> <li>• High pressure common rail fuel system</li> </ul> <p>2.1L 4-cylinder Yanmar diesel engine in the 4052M &amp; 4066M</p> <ul style="list-style-type: none"> <li>• 2,600 RPM rated engine speed</li> <li>• High pressure common rail fuel system</li> <li>• Turbocharged</li> </ul> <p>Emissions</p> <ul style="list-style-type: none"> <li>• <b>Diesel particulate filter (DPF)</b></li> <li>• Exhaust gas recirculation (EGR)</li> <li>• Diesel oxidation catalyst (DOC)</li> </ul>
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**Massey Ferguson Advantage**

- The 2700E Series tractors meet the stringent Tier IV Final requirements **WITHOUT** the use of a **DPF** or **DEF**. The 4M Series utilizes a diesel particulate filter in addition to a DOC and EGR.
- The high pressure common rail fuel system used on the Shibaura engine provides precisely the right mix of air and fuel to the engine to create an optimal combustion. Not only does this reduce emissions but increases overall fuel economy.
- All 2700E Series tractors feature a turbocharged engine.





Massey Ferguson 2700E Series vs. John Deere 4M Series



**Transmission**

<p><b>2700E</b></p> <p>8x8 Mechanical Shuttle</p> <ul style="list-style-type: none"> <li>• Single-stage dry clutch</li> <li>• Suspended pedals</li> <li>• 4 gears (3<sup>rd</sup> &amp; 4<sup>th</sup> synchronized), 2 ranges</li> <li>• Shuttle is located just to the left of the steering wheel</li> </ul> <p>Hydrostatic Transmission (HST)</p> <ul style="list-style-type: none"> <li>• 3 ranges</li> <li>• Heel/toe rocker pedal</li> <li>• Mechanical cruise control</li> <li>• Ideal for loader work</li> </ul>	<p><b>4M</b></p> <p>12x12 PowrReverser</p> <ul style="list-style-type: none"> <li>• Wet clutch</li> <li>• Non-suspended pedals</li> <li>• 4 gears, 3 ranges</li> <li>• Hydraulic shuttle shift located to the left of the steering wheel</li> </ul> <p>Hydrostatic Transmission (eHydro)</p> <ul style="list-style-type: none"> <li>• 3 ranges</li> <li>• Side-by-side forward/reverse pedals</li> <li>• Mechanical cruise control</li> <li>• Ideal for loader work</li> </ul>
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**Massey Ferguson Advantage**

- The 2700E Series features an 8x8 mechanical shuttle option which is easily operated by even a novice operator.
- The simple yet reliable design of our mechanical shuttle is an attractive option for customers planning to do their own machine maintenance.
- With a higher hydraulic flow, the 2700E Series hydrostatic transmission is more powerful than that of John Deere's eHydro.



Massey Ferguson 2700E Series vs. John Deere 4M Series



**3-Point Hitch and PTO**

**3-point Hitch**

- Category I/II 3-point hitch standard on both models of the 2700E Series
- 2,425 lb. lift capacity at 24” behind the pins
- Extendable lower links
- Single position control lever
- Optional draft control

**PTO**

- Electro-hydraulically controlled 540 RPM independent PTO standard
- Modulation button for low-impact start up

**3-point Hitch**

- Category I 3-point hitch standard on all three models of the 4M Series
- 2,500 lb. lift capacity at 24” behind the pins
- Single position control lever
- Optional draft control

**PTO**

- Independent hydraulically controlled 540 RPM PTO
- Modulated for low-impact start up

**Massey Ferguson Advantage**

- The 2700E Series features a Cat. I/II 3-point hitch while the 4M Series is only available with Cat. I linkages.
- Cat II. capability allows the 2700E Series to use a wider assortment of implements.
- The 2700E Series features extendable lower links making implement hook up quick and simple while the 4M Series uses fixed link arms.



Massey Ferguson 2700E Series vs. John Deere 4M Series



**Hydraulics**

**2700E**

The 2700E Series features 2 transmission mounted hydraulic pumps:

- 12.6 GPM main pump
- 7.0 GPM dedicated steering pump
- Total flow: 19.6 GPM

Rear remotes:

- 0 standard
- 1 remote option from the factory
- Up to 3 remotes total field installed

**4M**

The 4M Series features 2 hydraulic pumps:

- 10.2 GPM main pump
- 5.7 GPM dedicated steering pump
- Total flow: 15.9 GPM

Rear remotes:

- Up to 5 optional rear remotes

**Massey Ferguson Advantage**

- The 2700E Series main pump produces a 24% greater flow rate than that of the 4M Series. This translates to a faster, stronger implement response.
- Additionally, the steering pump on the 2700E Series has a 23% higher flow rate than the 4M Series. This means that the power steering on the 2700E will turn more easily under load.
- With a significantly greater overall hydraulic flow rate, the 2700E Series tractor allows the operator to do more, more comfortably.



Massey Ferguson 2700E Series vs. John Deere 4M Series



Operator's Station

**2700E**

- Open operator station
- Fully flat platform
- Steel fenders, platform, and hood
- Perforated metal deck
- Left side steps and grab handle for entry
- Retractable seat belt
- Folding ROPS
- Suspended deluxe vinyl seat
- Hood mounted headlights
- Marker lights on ROPS
- Cup holder & toolbox standard
- Ground level fueling

**4M**

- Open operator station
- Semi-flat operator platform
- Plastic hood, fender, platform construction
- Rubber coated platform
- Left hand side step with handle
- Retractable seat belt
- Folding ROPS
- Suspended vinyl seat
- Non-suspended foot pedals
- Cup holder & toolbox
- Fuel tank located behind the seat

Massey Ferguson Advantage

- The fully flat platform of the 2700E Series provides operators with more leg room for added comfort during operation as well as easier entry and exit of the tractor.
- The metal body construction of the 2700E Series gives it the ruggedness and durability needed in a utility tractor.
- Ground level, obstruction free fueling on the 2700E makes fueling simple and easy. The 4M Series fuel tank is located on the rear fender.



**Massey Ferguson 2700E Series vs. John Deere 4M Series****COMPETITIVE SPECIFICATIONS**

<b>Specifications</b>	<b>MF2705E</b>	<b>4044M</b>
Rated Engine HP (kW)	48.8 (36.4)	43.1 (32.1)
Rated Engine Speed	2600	2600
Rated PTO HP (kW)	41.4 (30.9)	34.5 (25.7)
Engine Size / # of Cylinders	2.2L / 4	2.2L / 4
Aspiration	Turbocharged	Natural
EPA Compliance	Tier IV Final	Tier IV Final
Emissions Control System	DOC, EGR	DPF, DOC, EGR
Standard Transmission	8x8 mechanical shuttle	12x12 PowrReverser
Gears / Ranges	4 gears / 2 ranges	4 gears/ 3 ranges
Optional Transmission	HST	eHydro
Gears / Ranges	3 Range	3 Range
3-point Category	Cat. I/II	Cat. I
3-point Lift Capacity (lbs.) @ 24" behind pins	2,425	2,500
Hydraulic Flow @ Remotes	12.6 GPM	10.2 GPM
Rear Remote Valves	Up to 3	Up to 5
Factory Loader Ready	Optional	Optional
PTO Speeds	Independent 540 RPM	Independent 540 RPM
Fuel Capacity	14.0 gal.	13.0 gal.
Tractor Length (in.)	132.7	N/A
Height over ROPS (in.)	104.1	100.2
4wd ROPS Weight (lbs.)	3,836	3,770



**Massey Ferguson 2700E Series vs. John Deere 4M Series****COMPETITIVE SPECIFICATIONS**

<b>Specifications</b>	<b>MF2705E</b>	<b>4052M</b>
Rated Engine HP (kW)	48.8 (36.4)	51.5 (37.9)
Rated Engine Speed	2600	2600
Rated PTO HP (kW)	41.4 (30.9)	43.1 (32.1)
Engine Size / # of Cylinders	2.2L / 4	2.1L / 4
Aspiration	Turbocharged	Turbocharged
EPA Compliance	Tier IV Final	Tier IV Final
Emissions Control System	DOC, EGR	DPF, DOC, EGR
Standard Transmission	8x8 mechanical shuttle	12x12 PowrReverser
Gears / Ranges	4 gears / 2 ranges	4 gears/ 3 ranges
Optional Transmission	HST	eHydro
Gears / Ranges	3 Range	3 Range
3-point Category	Cat. I/II	Cat. I
3-point Lift Capacity (lbs.) @ 24" behind pins	2,425	2,500
Hydraulic Flow @ Remotes	12.6 GPM	10.2 GPM
Rear Remote Valves	Up to 3	Up to 5
Factory Loader Ready	Optional	Optional
PTO Speeds	Independent 540 RPM	Independent 540 RPM
Fuel Capacity	14.0 gal.	13.0 gal.
Tractor Length (in.)	132.7	N/A
Height over ROPS (in.)	104.1	100.2
4wd ROPS Weight (lbs.)	3,836	3,770

**Massey Ferguson 2700E Series vs. John Deere 4M Series****COMPETITIVE SPECIFICATIONS**

<b>Specifications</b>	<b>MF2706E</b>	<b>4066M</b>
Rated Engine HP (kW)	57.3 (42.7)	65.9 (48.5)
Rated Engine Speed	2600	2600
Rated PTO HP (kW)	48.7 (36.3)	53.2 (38.8)
Engine Size / # of Cylinders	2.2L / 4	2.1L / 4
Aspiration	Turbocharged	Turbocharged
EPA Compliance	Tier IV Final	Tier IV Final
Emissions Control System	DOC, EGR	DPF, DOC, EGR
Standard Transmission	8x8 mechanical shuttle	12x12 PowrReverser
Gears / Ranges	4 gears / 2 ranges	4 gears/ 3 ranges
Optional Transmission	HST	eHydro
Gears / Ranges	3 Range	3 Range
3-point Category	Cat. I/II	Cat. I
3-point Lift Capacity (lbs.) @ 24" behind pins	2,425	2,500
Hydraulic Flow @ Remotes	12.6 GPM	10.2 GPM
Rear Remote Valves	Up to 3	Up to 5
Factory Loader Ready	Optional	Optional
PTO Speeds	Independent 540 RPM	Independent 540 RPM
Fuel Capacity	14.0 gal.	13.0 gal.
Tractor Length (in.)	132.7	N/A
Height over ROPS (in.)	104.1	100.2
4wd ROPS Weight (lbs.)	3,836	3,770



Massey Ferguson 2700E Series vs. John Deere 4M Series

COMPETITIVE LOADER SPECIFICATIONS

Specifications	L135E	D170
Tractor Compatibility	All 2700E models	All 4M models
Max. Lift Capacity @ Pivot Pins (lbs.)	2,430	2,391
Max. Lift Height @ Pivot Pins (in.)	110.2	112.1

COMPETITIVE BACKHOE SPECIFICATIONS

Specifications	CB85	485A
Tractor Compatibility	All 2700E models	All 4M models
Transport Height (in.)	85.4	92
Digging Depth (in.)	101.6	102.0
Loading Height (in.)	74	88

