

# COMMERCIAL WALK-BEHIND MOWERS

M Series, R Series



W36R Commercial Walk-Behind Mower

# It's in your hands.

Your hands. When it comes to the controls on our John Deere M and R series walk-behind mowers, your hands were what we thought of first. Because if your hands aren't satisfied, you won't be either.

From the start, the goal was simple: improve operator comfort and productivity. And so we made sure the proximity of one control to another was just right. Also hand position for minimum fatigue was another consideration. Lastly, we made sure that the control grips were designed with recessed OPC levers providing a smooth contour that won't dig into your hands during operation.



## M SERIES

W36M  
W48M



## R SERIES

W36R  
W48R  
W52R  
W61R



## Meet the new Commercial Walk-behind mowers: the M & R Series

### M Series:

#### W36M/W48M

- 14.5 hp<sup>1</sup> (10.8 kW)/14.5 hp (10.8 kW)
- 36-inch (91.4-cm) floating mower deck available/48-inch (122-cm) floating mower deck available
- Self-propelled hydrostatic drive system
- Easy-to-use controls for operator comfort and convenience

### R Series:

#### W36R/W48R/W52R/W61R

- 15.5 hp<sup>1</sup> (11.6 kW) / 19 hp (14.2 kW) / 23.5 hp<sup>1</sup> (17.5 kW)
- 36-in. (91.4-cm)/ 48-inch (122-cm)/ 52-inch (132-cm)/61-inch (155-cm) floating mower decks available
- Self-propelled hydrostatic drive system
- Easy-to-use controls for operator comfort and convenience

<sup>1</sup> Horsepower measured at 3600 rpm, engine manufacturer certified gross power tested in accordance with SAE J1995. Engine horsepower and torque information for non-Deere engines are provided by the engine manufacturer for comparison purposes only. Actual operating horsepower and torque will be less. Refer to the engine manufacturer's Web site for additional information.



## Goodbye gear, hello hydrostatic

Both the M & R Series feature hydrostatic drive systems that provide positive reverse for more power and smoother operation. The infinite ground speed adjustments on both units enables a smoother transition from one speed to another. And a reverse speed of 3 miles per hour (4.8 km/h) allows operators to back out of tight mowing spots quickly.



Greater Maneuverability is the result of responsive, ergonomic controls.



The M and R Series both feature a thoughtful design that promotes safe operation. Before the engine will start, the transmission speed lever must be in neutral, the parking brake set, the PTO disengaged and the key switch turned on.



Yoke and caster wheels are made of solid construction for long life. Also, the caster wheels are set close to the blades for better ground following capability.



Both the M and R Series feature engines with a V-Twin design for smooth operation and fast starts. The aluminum engine block with cast-iron cylinder liners dissipates heat quickly. And the overhead valve design has:

- More horsepower and torque per cubic inch of displacement
- Better fuel efficiency
- Less oil consumption
- And a cooler operating temperature

Both the M and R Series are equipped with high quality fabricated decks, with 10-gauge (0.14 in./3.42mm) steel deck top plate, plus a 10-gauge (0.14 in./3.42mm) spindle reinforcement plate for added strength, and 7-gauge (0.19 in./4.8mm) side skirts with a reinforcement bar. All decks feature a floating suspension for the best possible cut. A deep deck design for more mowing capacity. And side and center anti-scalp wheels for smoother mowing.



◀ **With ground speeds up to 20% faster** than the previous generation, you'll be cutting more acres with the M and R Series. The M Series features recoil start and transport speeds up to 6.5 mph (10.5 km/h). And the R Series has an electric start and transport speeds up to 7.5 mph (12.1 km/h). Speed walking indeed.



◀ **And for sheer curb climbing ability,** our four R Series walk behinds are built with 8 and a half inches (21.6 cm) of frame clearance and positive reverse performance bringing even the most daunting curbs to their knees. No more scuffed or chipped curbs. And no more damage to the mower.





**↳ Better weight distribution means better operation.**  
We significantly improved the weight distribution on the M & R series to help operators on mowing slopes or tricky side-hills. Combine with our easy-to-use controls, operators can hold the line on hillsides.

## SPECIFICATIONS: Commercial Walk-Behind Mowers

	M Series	
MODEL	W36M	W48M
<b>ENGINE</b>		
Model number*	FS481V	FS481V
Power (gross) <sup>1</sup>	At 3600 rpm 14.5 hp <sup>1</sup> (10.8 kW)	At 3600 rpm 14.5 hp <sup>1</sup> (10.8 kW)
Displacement	36.8 cu in. (603 cc)	36.8 cu in. (603 cc)
Oil filter	Full flow, replaceable	Full flow, replaceable
Lubrication	Full pressure	Full pressure
Cleanout ports	Integrated	Integrated
Cooling	Air	Air
Air cleaner	Paper element with foam pre-cleaner	Paper element with foam pre-cleaner
Starter	Recoil	Recoil
<b>FUEL SYSTEM</b>		
Fuel tank capacity	5.4 U.S. gal. (20.4 L)	5.4 U.S. gal. (20.4 L)
Fuel filter	Replaceable, in fuel line	Replaceable, in fuel line
<b>ELECTRICAL SYSTEM</b>		
Hourmeter	Digital	Digital
Battery voltage	N/A	N/A
Cold cranking amp	N/A	N/A
<b>DRIVE TRAIN</b>		
Travel speed, forward	0-6.5 mph (0-10.5 km/h)	0-6.5 mph (0-10.5 km/h)
Travel speed, reverse	0-3 mph (0-4.8 km/h)	0-3 mph (0-4.8 km/h)
Speed and direction control	Ergonomic handles w/spring-loaded neutral lock	Ergonomic handles w/spring-loaded neutral lock
Filter	External, replaceable	External, replaceable
<b>REAR WHEELS AND TIRES</b>		
Rear tire size	18x6.5-8	18x8.5-8
<b>CASTER WHEELS AND TIRES</b>		
Caster wheel tire size	9x3.5-4	9x3.5-4
Caster wheel type	Semi-pneumatic	Semi-pneumatic
<b>BRAKES</b>		
Park brake	Internal, integrated in the transmission	Internal, integrated in the transmission
Park brake actuation	Hand brake	Hand brake
<b>MOWER DECKS</b>		
Available widths	36 in. (91.4 cm)	48 in. (122 cm)
Mower type	Side discharge	Side discharge
Spindle housings	Aluminum	Aluminum
Deck mounting	Full Floating	Full Floating
Deck thickness	10-gauge (0.14 in./3.42mm) fabricated steel deck top with added 10-gauge (0.14 in./3.42mm) spindle mounting plate, 7-gauge (0.19 in./4.8mm) side skirts with reinforcement bar	10-gauge (0.14 in./3.42mm) fabricated steel deck top with added 10-gauge (0.14 in./3.42mm) spindle mounting plate, 7-gauge (0.19 in./4.8mm) side skirts with reinforcement bar
Height-of-cut range	1.5-4.5 in. (3.8-11.4 cm) [.5 in (1.3 cm) increments]	1.5-4.5 in. (3.8-11.4 cm) [.5 in (1.3 cm) increments]
Cut-height positions	7	7
Blade tip speed	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min
<b>MOWER WHEELS/ROLLERS</b>		
Front anti-scalp rollers	NA	Left, center
Rear anti-scalp rollers	NA	NA
<b>DIMENSIONS</b>		
Height	44.8 in. (113.9 cm)	44.8 in. (113.9 cm)
Length	76.4 in. (194.1 cm)	74 in. (187.4 cm)
Width (deflector down)	50 in. (127.1 cm)	62 in. (158.3 cm)
Width (deflector up for storage)	40 in. (101.6 cm)	51 in. (129.2 cm)
Weight (full fuel and oil)	590 lbs (268 kg)	645 lb (293 kg)
Warranty <sup>2</sup>	24 month	24 month

\* GAS engines - The engine horsepower and torque information are provided by the engine manufacturer to be used for comparison purposes only. Actual operating horsepower and torque will be less. Refer to the engine manufacturer's web site for additional information.

<sup>1</sup> Horsepower measured at 3600 rpm, engine manufacturer certified gross power tested in accordance with SAE J1995. Engine horsepower and torque information for non-Deere engines are provided by the engine manufacturer for comparison purposes only. Actual operating horsepower and torque will be less. Refer to the engine manufacturer's Web site for additional information.

<sup>2</sup> WARRANTY DISCLAIMER: Hour and/or usage limitations apply and vary by model. See the WARRANTY FOR NEW JOHN DEERE TURF AND UTILITY EQUIPMENT at dealer for details. Product features are based on published information at the time of publication and are subject to change without notice. All trademarked terms, including John Deere, the leaping deer symbol and the colors green and yellow used herein are the property of Deere & Company, unless otherwise noted.

R Series			
W36R	W48R	W52R	W61R
FX48IV	FX600V	FX600V	FX730V
At 3600 rpm 15.5 hp <sup>1</sup> (11.6 kW)	At 3600 rpm 19 hp <sup>1</sup> (14.2 kW)	At 3600 rpm 19 hp <sup>1</sup> (14.2 kW)	At 3600 rpm 23.5 hp <sup>1</sup> (17.5 kW)
36.8 cu in. (603 cc)	36.8 cu in. (603 cc)	36.8 cu in. (603 cc)	44.3 cu in. (726 cc)
Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable
Full pressure	Full pressure	Full pressure	Full pressure
Integrated	Integrated	Integrated	Integrated
Air	Air	Air	Air
Heavy-duty air cleaner	Heavy-duty air cleaner	Heavy-duty air cleaner	Heavy-duty canister type with safety element
Electric	Electric	Electric	Electric
5.4 U.S. gal. (20.4 L)	5.4 U.S. gal. (20.4 L)	5.4 U.S. gal. (20.4 L)	5.4 U.S. gal. (20.4 L)
Replaceable, in fuel line	Replaceable, in fuel line	Replaceable, in fuel line	Replaceable, in fuel line
Digital	Digital	Digital	Digital
12 V	12 V	12 V	12 V
300 CCA	300 CCA	300 CCA	300 CCA
0-7.5 mph (0-12.1 km/h)	0-7.5 mph (0-12.1 km/h)	0-7.5 mph (0-12.1 km/h)	0-7.5 mph (0-12.1 km/h)
0-3 mph (0-4.8 km/h)	0-3 mph (0-4.8 km/h)	0-3 mph (0-4.8 km/h)	0-3 mph (0-4.8 km/h)
Ergonomic handles w/spring-loaded neutral lock	Ergonomic handles w/spring-loaded neutral lock	Ergonomic handles w/spring-loaded neutral lock	Ergonomic handles w/spring-loaded neutral lock
External, replaceable	External, replaceable	External, replaceable	External, replaceable
18x6.5-8	18x8.5-8	18x8.5-8	18x8.5-8
9x3.5-4	9x3.5-4	9x3.5-4	9x3.5-4
Semi-pneumatic	Semi-pneumatic	Semi-pneumatic	Semi-pneumatic
Mechanical locking, interference with tire	Mechanical locking, interference with tire	Mechanical locking, interference with tire	Mechanical locking, interference with tire
Hand brake	Hand brake	Hand brake	Hand brake
36 in. (91.4 cm)	48 in. (122 cm)	52 in. (132 cm)	61 in. (155 cm)
Side discharge	Side discharge	Side discharge	Side discharge
Aluminum	Aluminum	Aluminum	Aluminum
Full Floating	Full Floating	Full Floating	Full Floating
10-gauge (0.14 in./3.42mm) fabricated steel deck top with added 10-gauge (0.14 in./3.42mm) spindle mounting plate, 7-gauge (0.19 in./4.8mm) side skirts with reinforcement bar	10-gauge (0.14 in./3.42mm) fabricated steel deck top with added 10-gauge (0.14 in./3.42mm) spindle mounting plate, 7-gauge (0.19 in./4.8mm) side skirts with reinforcement bar	10-gauge (0.14 in./3.42mm) fabricated steel deck top with added 10-gauge (0.14 in./3.42mm) spindle mounting plate, 7-gauge (0.19 in./4.8mm) side skirts with reinforcement bar	10-gauge (0.14 in./3.42mm) fabricated steel deck top with added 10-gauge (0.14 in./3.42mm) spindle mounting plate, 7-gauge (0.19 in./4.8mm) side skirts with reinforcement bar
1.5-4.5 in. (3.8-11.4 cm) [.5 in (1.3 cm) increments]	1.5-4.5 in. (3.8-11.4 cm) [.5 in (1.3 cm) increments]	1.5-4.5 in. (3.8-11.4 cm) [.5 in (1.3 cm) increments]	1.5-4.5 in. (3.8-11.4 cm) [.5 in (1.3 cm) increments]
7	7	7	7
Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min
NA	Left, center	Left, center	Left, center, right
NA	Center roller/wheel	Center roller/wheel	Center roller/wheel
44.8 in. (113.9 cm)	44.8 in. (113.9 cm)	44.8 in. (113.9 cm)	44.8 in. (113.9 cm)
76.4 in. (194.1 cm)	74 in. (187.4 cm)	74.5 in. (189.0 cm)	83 in. (210.7 cm)
50 in. (127.1 cm)	62 in. (158.3 cm)	66 in. (168.5 cm)	75.5 in. (191.6 cm)
40 in. (101.6 cm)	51 in. (129.2 cm)	56 in. (142.1 cm)	65 in. (162.7 cm)
655 lb (297 kg)	705 lb (320 kg)	720 lb (327 kg)	785 lb (356 kg)
36 months or 1200 hours, whichever comes first: First 24 months, no hour limitation	36 months or 1200 hours, whichever comes first: First 24 months, no hour limitation	36 months or 1200 hours, whichever comes first: First 24 months, no hour limitation	36 months or 1200 hours, whichever comes first: First 24 months, no hour limitation

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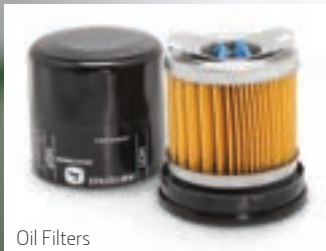
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