

MEC 47ES Series

Aerial Work Platforms

Advanced MEC engineering has combined exceptional lift capacity with high reach capabilities to create the 47ES™ Series of aerial work platforms.

Proven lift technology, and rugged construction give the 47ES™ Series

the power to get a work crew and their tools to a full 38-foot work height.





Convenient Controls With Adjustable Mount

The remote, removable control station features a single switch selection for drive and lift functions, and another for high torque mode. A fully proportional controller delivers an infinite range of drive and lift speeds. Steering control is mounted in the top of the joy-stick for one-handed operation. Adjustable mount allows operator to position the control for maximum comfort.



High Capacity Deck

A 33.8 sq. ft. deck and 13.4 sq. ft. roll-out platform extension are standard equipment on the MEC 47ES Series. The extension features concealed rollers to maximize deck space, and can be incrementally locked or extended to a full 42-inches. Sheet loading entrance feature allows loading of 4-foot wide material while maintaining full guardrail protection.

Extended Duty Cycle

MEC 47ES models feature a pulse-modulated motor controller that electronically regulates the motor speed, instead of hydraulic flow for maximum efficiency. This "energy-on-demand" system results in smooth, quiet operation and an extended workday from a single battery charge.

High Performance

Revolutionary Powerlift² Elevating Design

This advanced single-beam system outperforms conventional double-beam lift designs. The unique combination of wide beams and large pins, in self-lubricating bearings, creates a larger load-bearing surface in scissor pivot areas. The results are increased efficiency, greater operator comfort, reduced weight and lower maintenance costs.



Turns On A Dime

No aerial work platforms can make tighter turns than MEC. Conventional tie-rods are replaced by a double-ended cylinder, to achieve 0 inside turning radius with full 90° steering. Hard rubber non-marking tires are standard equipment.

MEC 47ES™ Series

Simplified Service

Easy Component Access

All mechanical and electrical components of the MEC 47ES Series are easily accessible without raising the platform or swinging out trays. Components are also logically grouped to simplify service. The battery compartment is isolated to reduce corrosion of electrical and hydraulic components.



Reduced Maintenance

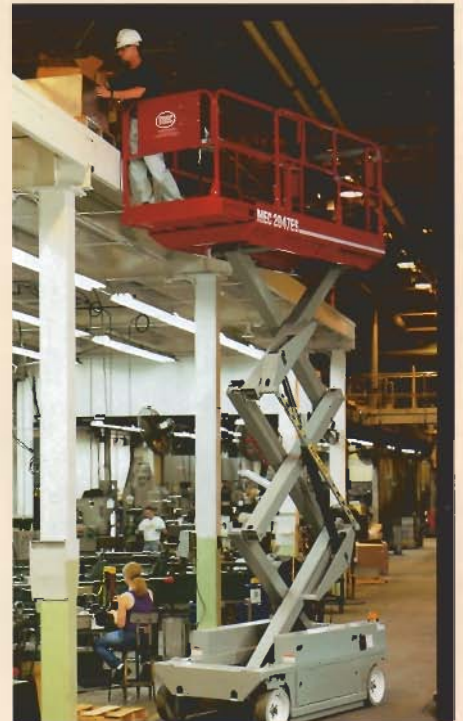
MEC 47ES models feature self-lubricating bearings at all scissor pivot points to eliminate wear and reduce maintenance.

Interior Jobsite Access

Standard fold-down guardrails allow MEC 47ES models easy access under 70-inch obstacles. Simple guardrail design means they can be folded down and erected quickly.

Easy To Transport

Forklift pockets permit MEC 47ES models to be loaded onto trucks or job sites. Convenient tie-downs and sling loops make securing the machine simple.



Serious About Safety

Automatic Pothole Protection™

MEC pioneered this unique safety feature in 1982. This system helps prevent tip-overs caused by machines being accidentally driven into a depression or hole when the platform is elevated. It increases operator safety and owner security. A concealed Pothole Protection™ system with positive lock is standard equipment on all MEC 47ES models.

Exceeds Industry Safety Standards

MEC 47ES models meet or exceed applicable ANSI/SIA, CSA, and other safety standards worldwide.



MEC 47ES Series

MEC 47ES Series Standard Features

- Sheet loading entrance accommodates 48" wide material
- Fold-down guardrail system
- Remote, removable control station with adjustable mount
- Platform mounted horn
- 33.8 sq. ft. deck and 13.4 sq. ft. extending platform provides room for workers, tools and materials
- Non-skid steel deck for comfortable footing in all job site environments
- 42-inch roll-out extending platform with incremental locking positions
- Patented Powerlift²™ elevating system provides greater lift capacity and platform stability
- Industrial grade charger with deep cycle batteries
- All motion light
- Multi-axis tilt sensor
- Easy service access to components without raising platform
- Hourmeter
- Ground controls at base
- 36v DC Balanced Energy System™ with high-torque power on demand
- Automatic Pothole Protection™ helps guard against accidental tip-overs.



U.S. Patent #5,476,050
Canadian Patent #2,115,870
other patents pending

MEC 47ES Series Optional Features

- Audible motion alarm
- Battery indicator gauge
- Airline to the platform
- 110V AC outlet at platform
- 900 watt converter
- Lanyard anchorage brackets
- Rear midrail swing gate

Specifications

	2047ES	2647ES	3247ES
HEIGHT			
Work Height	26' (7.92 m)	32' (9.75 m)	38' (11.58 m)
Platform Height (Nominal)	20' (6.10 m)	26' (7.92 m)	32' (9.75 m)
Platform Height (Lowered)	41" (1.04 m)	47" (1.19 m)	53" (1.35 m)
Overall Height	85.6" (2.17 m)	91.6" (2.33 m)	97.6" (2.48 m)
Height with rails folded	55.9" (1.42 m)	61.9" (1.57 m)	67.9" (1.72 m)
TOTAL PLATFORM CAPACITY			
	1250 lbs. (568 kg)	1000 lbs. (454 kg)	700 lbs. (318 kg)
PLATFORM EXTENSION CAPACITY			
	300 lbs. (136 kg)	300 lbs. (136 kg)	300 lbs. (136 kg)
SPEED			
Lift/Lower Speed	25/25 sec.	30/30 sec.	35/35 sec.
Travel Speed	0-0.45 mph/0-2.1 mph	0-0.72 km/h / 0-3.38 km/h	
GRADEABILITY			
	25%/14.0°	Same	Same
TURNING RADIUS			
Inside Turning Radius	0" (0 m)	Same	Same
Outside Turning Radius (curb)	94" (2.39 m)	Same	Same
DIMENSIONS			
Platform Size	46" x 106" (1.17 m x 2.69 m)	Same	Same
Overall Length	112" (2.84 m)	Same	Same
Overall Width	47.63" (1.21 m)	Same	Same
GROUND CLEARANCE			
	3.25" (82.6 mm)	Same	Same
With Pothole Protection™ deployed	.75" (1.90 cm)	Same	Same
GROSS WEIGHT			
	5060 lbs. (2295 kg)	5800 lbs. (2631 kg)	6940 lbs. (3148 kg)
POWER			
	36 volt DC Battery		
DRIVE AXLE			
	High Torque On Demand Dual Front Wheel Drive/Front Wheel Steering		
TIRE SIZE			
	16" diameter x 5" wide hard rubber, non-marking standard		

Through our constant efforts to improve our products, specifications may change without notice.

Important

MEC ES47 Series models must be on a hard level surface while elevated.

Warranty

MEC Aerial Work Platforms carry a one (1) year warranty on defective component parts and a five (5) year warranty on defective structural parts. This warranty applies to the original owner only. Batteries are warranted for one (1) year. Consult your MEC dealer for warranty details.



Aerial Work Platforms

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