

# GMG

Global Machinery Group, Inc.

## 3394-ERT / 4694-ERT / 6094-ERT

### Electric Powered ULTRA-DECK ROUGH TERRAIN SCISSOR LIFT

#### **Award Winning i-Power 2.0**

Safer - Innovative

- **i-Power 2.0**
  - ReGen Power back to batteries
  - Ramp Control automatically controls decent speed
  - Elevated "Creep" speed
- **A/C Direct Electric 4wd with Traction Control**
  - Extended duty cycles
  - Powerful operation
  - ReGen Power
  - Ramp Control
  - No petrol requiredPerfect where noise and exhaust emissions are an issue
- **AGM Batteries** - for longer duty cycles & maintenance free service
- **Optional Hybrid Power** - extends duty cycle even further along with Auto Self-Charge battery feature
- **Auto Leveling Outriggers**
- **24' 10" (7.55m) platform** - with Dual Deck Extensions





# FEATURES

## STANDARD EQUIPPED

## AVAILABLE OPTIONS

### Unique Features

I-Power 2.0  
Automatic Hi-Torque Power  
Ramp Control  
Elevated Creep Speed  
ReGen Power  
Variable Steer Speeds

### Power / Performance

A/C Direct Electric 4wd with Traction Control  
Oscillating axle  
48V, 8 x 6V AGM Maintenance Free Batteries  
Hi-Frequency Battery Charger

### Work Area

Dual Extension Decks, 24'10" (7.55m) Extended  
Material Loading, front/rear  
Dual platform swing gates  
Folding Guardrails  
Movable upper control station

### Chassis

Auto Leveling Outriggers  
Solid RT Tires  
Flashing beacon (2)  
Automotive horn  
Hour meter

### Safety

Ramp Control  
Non-skid platform deck  
Decent alarm  
Emergency lowering system  
Emergency shut-off at platform and lower controls  
Scissor maintenance lock  
Multi-Axis variable tilt sensing

### Warranty

2 Year Warranty - Parts & Labor  
10 Year Warranty - Structural Components

### Power

HyBrid Power, with  
Kubota D1105 Diesel Engine  
Generator and On-Board Battery Management  
Diesel Scrubber, HyBrid ONLY  
Fast Charge Charger System  
Power inverter, 2000W  
230v 50Hz  
110v 60Hz

### Safety

OWS (Over-Head Warning System) with interrupt  
Reflective Placard Kit  
Flashing Beacons (4) mounted on each outrigger  
Fire Extinguisher, with secure box

### Accessories

Platform Work Lights (4)  
Drive Lights (4) mounted on front/back of chassis  
Control Box Cover, Upper  
Tool Cabinet, Lockable mounted on lower module  
Tool Tray mounted on guardrails  
Trailer Hitch (3394-ERT Only)

### Misc.

Non-Marking Tires  
Custom Colors



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## DETAILS

### What is *I-Power*,

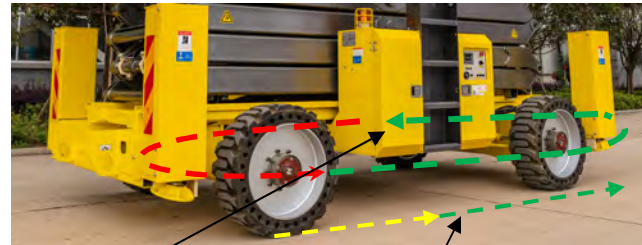
An award winning GMG exclusive feature that utilizes digital technology to control the operation and function of a machine, adding in performance and safety features new to the industry such as:

#### ReGen Power:

Using the motion of the machine to supply free power back to the batteries during deceleration

#### Power Take Off:

Starting the machine in Hi-Torque mode then automatically switching to high speed to save battery power



ReGen Power

Power take off

#### Ramp Control:

A GMG award winning “Most Innovative” feature that controls the machine speed when descending an aggressive grade

#### Elevated “Creep” Speed:

By simply depressing a button the operator can now place the machine in “Creep” mode which takes the elevated drive speed from 0.5 mph (0.8 km/h) to a maximum of 0.125 mph (0.25 km/h) providing a much safer and comfortable operation while maneuvering around delicate obstacles

#### Variable Steering:

The steering speed is now matched to the machine travel speed making a safer operation while saving valuable battery duty cycle, a GMG exclusive feature

### The Power,

#### Drive Power:

Equipped with 4 massive A/C 3 Phase electric drive motors putting out 3.3Kw produces enough power to propel this machine anywhere the operator wants to go at speeds matched by no one.

Controlled by GMG’s exclusive *I-Power*, each drive motor is independently operated and equipped with traction sensing, activating only the drive motors that need to be engaged to operate the machine effectively. If one wheel starts to spin it is deactivated, saving valuable battery duty cycle, however..... when the operator requires the machine to navigate extreme conditions, *I-Power* recognizes this demand and automatically places the drive system in HS mode, the most extreme power mode.



#### Hybrid Power, optional:



Industry known Kubota D1105 diesel engine spins the electric motor / generator through an electronic clutch, putting out an incredible 9.5Kw, aggressively charging the batteries and operating the machine when the batteries become low. This is controlled by GMG’s *I-Power* operating system and can be engaged manually or automatically.

# SPECIFICATIONS

MODELS	3394-ERT Tunnel		4694-ERT		6094-ERT	
	US	Metric	US	Metric	US	Metric
Measurements						
Working height maximum	39'	11.9 m	52'	16.0 m	66'	20.1 m
Platform height maximum	33'	10 m	46'	14.0 m	60'	18.2 m
Platform height - Stowed platform floor	5'7"	1.70 m	6'1"	1.85 m	6'7"	2.02 m
Platform length - retracted	17'5"	5.23 m	17'5"	5.23 m	17'5"	5.23 m
- extended	24'10"	7.55 m	24'10"	7.55 m	24'10"	7.55 m
Platform width - outside	75"	1.9 m	75"	1.9 m	75"	1.9 m
Toeboard height	6"	0.15 m	6"	0.15 m	6"	0.15 m
Height - stowed	112"	2.85 m	116"	2.95 m	128"	3.25 m
rails lowered	81"	2.06 m	86"	2.18 m	97"	2.46 m
Length stowed	17' 5"	5.23 m	17' 5"	5.23 m	17' 5"	5.23 m
Width	94"	2.38 m	94"	2.38 m	94"	2.38 m
Wheelbase	113"	2.87 m	113"	2.87 m	113"	2.87 m
Ground clearance - center	15"	38 cm	15"	38 cm	15"	38 cm

## Productivity

Maximum platform occupancy	5		5		4	
Lifting capacity	2,600 lbs	1200 kg	1,500 lbs	680 kg	1,200 lbs	540 kg
Extension deck capacity (each deck)	500 lbs	227 kg	500 lbs	227 kg	500 lbs	227 kg
Drive height	full height		full height		40*	12 m*
Gradeability - stowed	45%		40%			
Turning radius - inside	80" / 2.03 m		82" / 2.08 m			
Turning radius - outside	17'3" / 5.18 m		16.8' / 5.12 m			
Raise speed	36 seconds		45 seconds		60 seconds	
Lower speed	31 seconds		40 seconds		55 seconds	
Controls	fully proportional		fully proportional			
Drive	four wheel		four wheel			
Tires - rough terrain	33 x 12 in	84 x 30 cm	33 x 12 in	84 x 30 cm		

## Power

Power source	8 x 6V AGM 420ah Batteries (optional Hybrid)					
Fuel tank capacity	25 gal / 95.0 L					
Hydraulic system capacity	40 gal / 115.0 L					

## Weight

Standard	16,450 lbs	7462 kg	14,850 lbs	6736 kg	20,450 lbs	9276 kg
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## Speeds & Angles

	Drive Speed		Tilt Angles	Drive		Tilt Angles
Stowed Height	6.2 mph	(10 km/h)		6.2 mph	(10 km/h)	
4m Height	3.1 mph	(5 km/h)	Up to 9°	0.5mph	(0.8 km/h)	Up to 4°
6m Height	2.5 mph	(4 km/h)	Up to 8°	0.5mph	(0.8 km/h)	Up to 4°
8m Height	2.0 mph	(3 km/h)	Up to 5°	0.5mph	(0.8 km/h)	Up to 4°
Full Height	1.3 mph	(2 km/h)	Up to 4°	0.5mph*	(0.8 km/h)*	Up to 4°*

\* 6094-ERT Drive height at 40' (12m)

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