

## Delivering Performance And Flexibility

### Maximize Machine Utilization With Versatility For Indoor & Outdoor Use

Whether working on rough terrain or inside buildings where quiet, exhaust-free operation is necessary, it's possible to conserve energy and stay environmentally compliant. JLG® hybrid machines deliver diesel performance without diesel noise or emissions. Now your fleet has the flexibility to work inside or out.



#### Hybrid

Operate using both battery and engine power



#### Work Anywhere

Can be used both indoors and outdoors



#### Lower Emissions

Experience zero emissions when running in electric-only mode and low emissions when the diesel generator is running to charge the battery

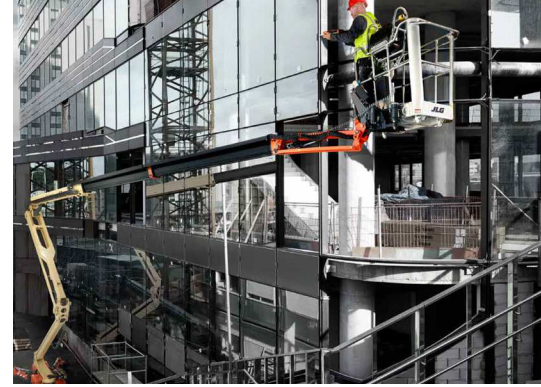
**Hybrid power systems operate using both battery and engine power, although how these power systems work together depends on the type of hybrid.**

#### SERIES HYBRIDS

Machines such as JLG's M Series and H340AJ Electric booms are equipped with a Series type Hybrid power. A series hybrid is primarily powered by batteries and electric motors. It is a hybrid by virtue of having an on-board engine powered generator that is used to charge the batteries. The charger may also be plugged into an external source of electrical power to charge the batteries without running the engine. So, for indoor applications, the engine may be disabled with a switch for emissions free, low noise operation. If operating outdoors, the engine may be used to increase operating time on the batteries, provided fuel is added to the tank as necessary.

#### PARALLEL HYBRIDS

The JLG Lift Model H800AJ is equipped with a parallel hybrid power system. A parallel hybrid is powered primarily by an engine, but has an electric motor/generator on board that assists the engine when additional power is needed, charges the batteries when needed, or serves as the primary power source when the engine is turned off. The H800AJ may be used in outdoor applications where the engine and electric motor together provide sufficient power to climb grades and power through mud or other rough terrain. For indoor applications the engine may be turned off so that the batteries provide power to the electric motor for emissions free, low noise operation.



## BOOM LIFTS

Hybrid articulating and telescopic boom lifts run on a battery with electric drive system coupled with a diesel generator. This design allows these machines to emit no emissions when running in electric-only mode and very low emissions when the generator is charging the AGM battery.

### Features

- Work quietly and emission-free when operating in electric-only mode
- Lower noise and emissions during battery recharging with a diesel generator
- Reduce environmental impact with optional biodegradable oil
- Optional non-marking tires are available from JLG for work on finished surfaces

### Ideal Applications

- General maintenance indoors and outdoors
- Finishing work on city construction sites
- Steel construction
- Rough terrain
- Warehouses

## COMPACT CRAWLERS

JLG® Compact Crawlers come standard with an electric motor and feature an optional lithium-ion electrical system that doesn't produce emissions for cleaner, greener operation. An ideal solution for working indoors, these machines produce less noise, low ground pressure and can navigate tight spaces with ease.

### Features

- Lower noise and emission-free when operating in electric-only mode
- Eliminate maintenance needs with lithium-ion battery
- Reduce environmental impact with biodegradable oil
- Access sensitive areas with non-marking tracks and low ground-bearing pressure

### Ideal Applications

- Painting, window cleaning and maintenance
- Inspection and renovation work
- Indoor and light construction

	H340AJ	H800AJ	M600JP	X430AJ	X500AJ	X600AJ	X770AJ	X1000AJ
<b>Platform Height</b>	33' 9" (10.29 m)	80' (24.38 m)	60' 4" (18.39 m)	43' 6" (13.30 m)	49' (14.95 m)	59' 3" (18.05 m)	77' 5" (23.60 m)	100' (30.48 m)
<b>Horizontal Outreach</b>	19' 11" (6.07 m)	51' 10" (15.8 m)	44' 5" (13.54 m)	21' 7" (6.60 m)	23' (7.00 m)	30' (9.1 m)	43' (13.1 m)	54' 2" (16.50 m)
<b>Platform Capacity</b>	500 lb (227 kg)	500 lb (227 kg)	500 lb (227 kg)	500 lb (227 kg)	500 lb (227 kg)	500 lb (227 kg)	500 lb (227 kg)	500 lb (227 kg)
<b>Gradeability (4WD)</b>	45%	45%	45%	28%	28%	28%	28%	28%
<b>Power Source</b>								
Batteries	8 x 12V, 100 Amp-Hour	12V, 235 Amp-Hour 4D, AGM Maintenance Free	Batteries - 8 x 6V, 415 Amp-Hour	100Ah 36V Lithium-Ion	100Ah 48V Lithium-Ion	100Ah 72V Lithium-Ion	100Ah 76V Lithium-Ion	100Ah 76V Lithium-Ion
Generator/ Engine	Kubota Z482 11.1 hp (8.3 kW)	Kubota Tier 4 Final 25 hp (18.6 kW)	45 Amp Kubota 6.7 hp Diesel	Honda iGX390 11.7 hp (8.7 kW)	Honda iGX390 11.7 hp (8.7 kW)	Honda iGX390 11.7 hp (8.7 kW)	Diesel Kubota D902 21.6 hp (16.1 kW)	Diesel Kubota D902 21.6 hp (16.1 kW)

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