

Athena 850 Bi-energy and Athena 1090 Bi-energy
Safer, Smarter, Stronger.

YR®



ALMACRAWLER 
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Athena Bi-Energy is the most quiet and Low emission product for the most sensitive work environments that needs the unique bi-levelling undercarriage to solve difficult access issues.

The Athena Bi-Energy range combines powerful thermic engine and Lithium Battery and is ideal for both outdoor and indoor applications that demand low noise and clean performance, such as construction sites, sports arenas, shopping and parking malls, facilities, and even challenging pedestrian areas.



Named after the ancient Greek goddess of wisdom and strength, Athena was named for its clever bi-levelling capacity.



ATHENA 850 BI-ENERGY

The ATHENA 850 is at the pinnacle of access technology. Intelligent monitoring systems coupled with state of the art engineering come together to offer trades and industry a safer alternative for work on slopes and on slight inclines in tight access situations. The ATHENA performs the work of scaffolding, slab scissors and an all-terrain unit in one cost effective and convenient machine, negating the need to have multiple machines on site.

- Δ Self-levels on up to 20 degree inclines
- Δ Double door access
- Δ Independently levelling tracks
- Δ Light enough to tow by most work utes
- Δ Increases safety on slopes and inclines
- Δ 8 metre working height



ATHENA 1090 BI-ENERGY

The ATHENA 1090 EVO bi-levelling scissor lift is able to operate on an incline of up to 20° and now can take you to a whopping 10 metre working height.

The automatic levelling system overcomes all the standard limitations of traditional 4x4 traction, providing the opportunity to work in hard to reach and confined spaces. The dynamic levelling of the machine enables the operator to work easily and in full safety even on steep slopes or uneven and rough terrain. The bi-energetic engine provides full versatility for both indoor or outdoor applications.

- Δ Self-levels on up to 20 degree inclines
- Δ Double door access
- Δ Independently levelling tracks
- Δ Light enough to tow by most work utes
- Δ Increases safety on slopes and inclines
- Δ 10 metre working height



Compact & easily towable

A collapsible cage means the Athena packs down to a small size making overhead transitioning easy. With a maximum weight of 1990 kg, it is easily towed by most work vehicles.



Dual power source

Use tools wherever you need to with a 220V electric pump for indoors and an onboard power source in the basket for when power isn't available. Also available in a lithium ion variation.



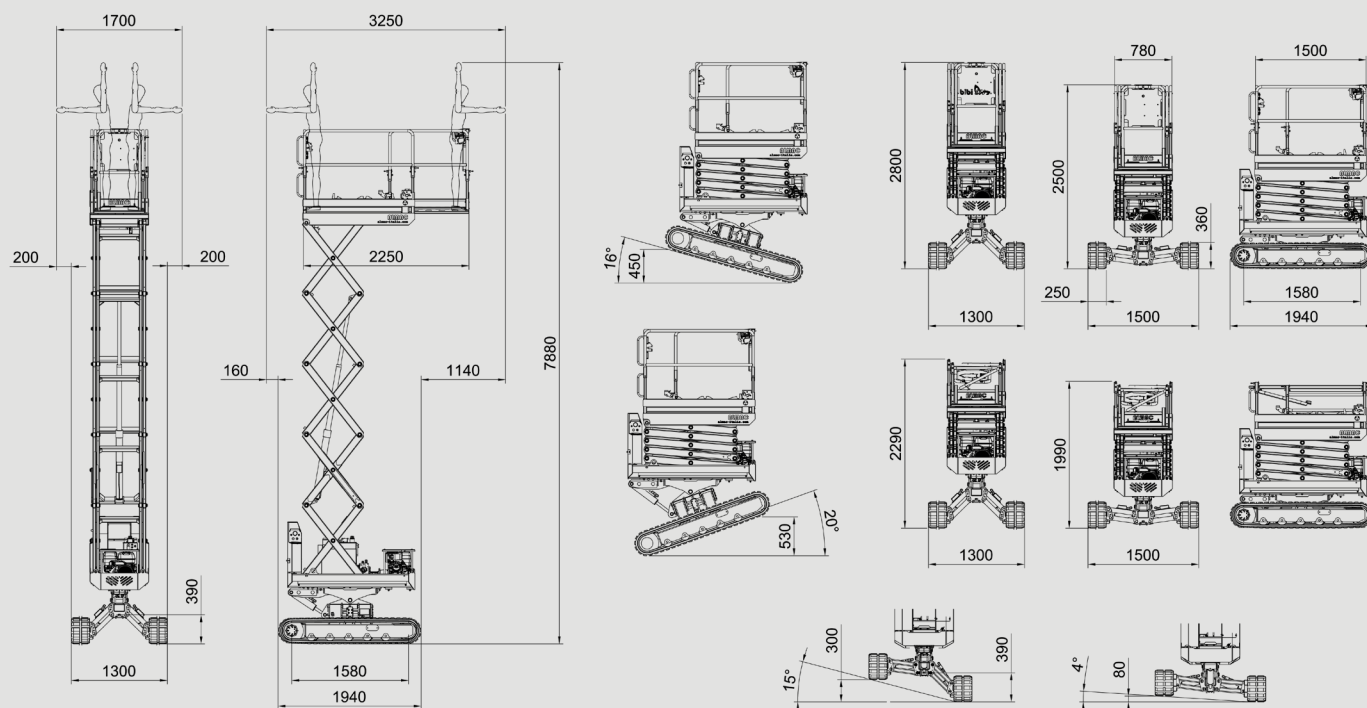
Extendable and collapsible basket

The extendable and collapsible basket is quick and easy to adjust for extreme access situations. Raise or lower the cage walls within five minutes to keep you on the move.

	Athena 850 Bi-energy	Athena 1090 Bi-energy
Basket capacity	250 kg (2 op.)	300 kg (2 op.)
Max working height	7.9 m	10.0 m
Max height basket floor	5.9 m	8.0 m
Moving height	6.1 m	7.0 m
Lateral levelling for moving at heights	+ / - 4°	+ / - 4°
Powered Standard	Petrol Honda iGX390	Petrol Honda iGX390
Powered Bi energy	Lithium Power Pack 100Ah-48V	Lithium Power Pack 100Ah-48V
Powered (option)	Diesel Hatz 1B40	Diesel Diesel Hatz 1B40
Accelerator	Automatic	Automatic
Undercarriage	Bi-Levelling	Bi-Levelling
Basket levelling	Automatic	Automatic
Longitudinal levelling front	+/- 16°	+/- 15°
Longitudinal levelling rear	+/- 20°	+/- 20°
Lateral levelling	+/- 15°	+/- 14°
Power generator (option)	220V-1kW	220V-1kW
Electric motor (option)	220V-2kW	220V-2kW
Hydraulic commands	Proportionals	Proportionals
Direction-control system	Yes	Yes
Easy-drive system	Yes	Yes
Dynamic Levelling System	Yes	Yes
Pro-Active Levelling System	Yes	Yes
Kit for high speed	Max 2.20 km/h	Max 2.40 km/h
Ground emergency	Yes	Yes
Control of inclination	Automatic	Automatic
Gradeability	25°	25°
Side slope	21°	21°
Length	1.94 m	2.27 m
Width	1.30 ÷ 1.50 m	1.46 ÷ 1.64 m
Minimum machine height with folded railings	1.98 m	2.05 m
Total weight	2460 kg	2900 kg
Compliance	EN 280, ANSI, CSA, ASNZS1418	EN 280, ANSI, CSA, ASNZS1418

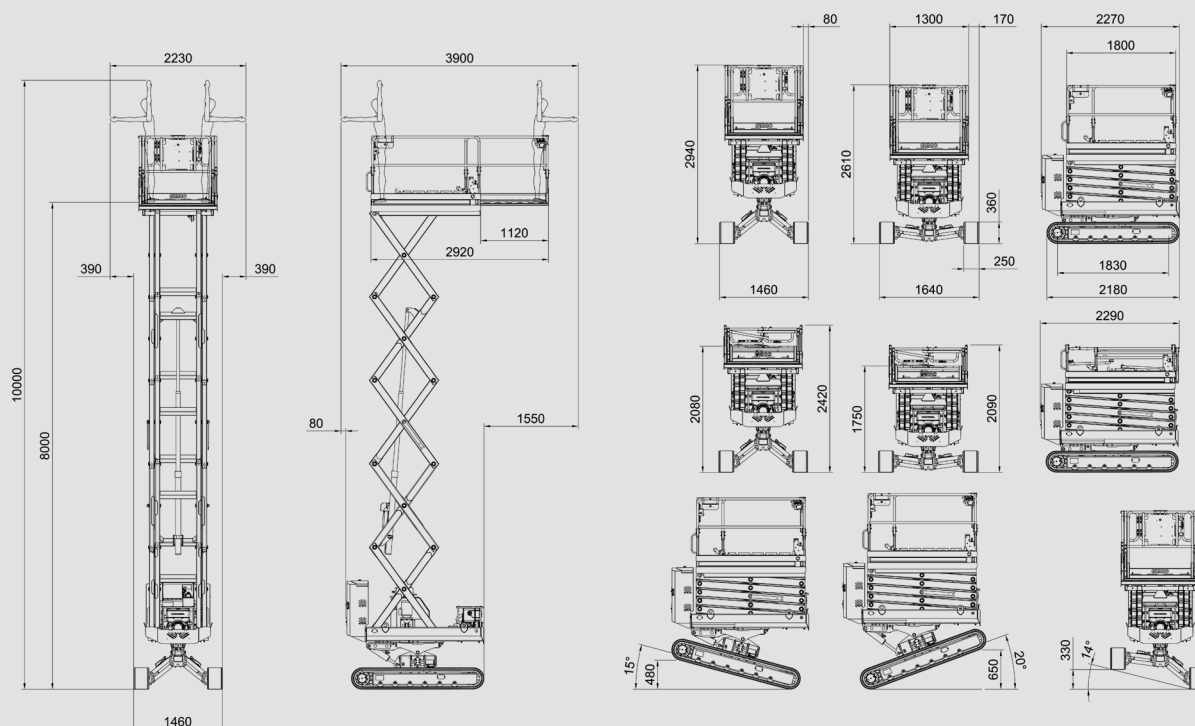
ATHENA 850 BI-ENERGY

DIMENSIONS



ATHENA 1090 BI-ENERGY

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