

Micro scissor take over

Demand for aerial work platforms with working heights of under five metres has grown rapidly as tougher European work at height rules take hold. An increasing number of countries have seen exponential growth in adoption of small push-around scissor or mast lifts, but is there now a shift towards a new breed of Micro scissor lift?

Low level platform uptake varies by country. The UK possibly leads the way, followed by the Netherlands, Germany and France, while countries like the UAE in the Middle East have also seen widespread adoption, thanks to European contractors insisting on the same safety standards on site as in their home markets.

There were early indications of a move away from push-around scissor lifts towards non-powered products such as JLG/Power Towers Peco or Ecolifts - or self-propelled versions of the push around scissor lift. However, manufacturers now seem to be favouring full specification 13 or 14ft micro scissors over drive enabled push-around lifts. The difference? A self-propelled push-around usually has castors on one axle or four very small diameter wheels.

Micro scissors

Offering working heights between 3.9 and 4.2 metres the new 13/14ft

micro scissors also challenge 12ft mast type lifts, in that they are as compact but feature larger platforms and without a mast intruding into the platform. US based Hy-Brid Lifts pioneered a 12ft micro scissor alternative and the concept is now taking off. The launch of Genie's 13ft GS-1330m in Shanghai in late 2018 was an indicator of change, with the company, perhaps, reacting to similar products that Dingli and Mantall were selling through US brands such as MEC.

JLG quickly followed Genie, as did Skyjack which introduced the 13ft SJ3013 and 14ft SJ3014 in February. These two models are built for Skyjack by Mantall in China and are similar to ones it sells under its own brand and that of GMG. Snorkel said: "Snorkel already offers one of the largest lines of low level access lifts in the industry, but we are currently exploring the 13ft/14ft segment."

New Genie E-Drive Micros

Earlier this month Genie unveiled two

all new micro scissors with the 14ft GS-1432m and a 19ft GS-1932m. The GS-1432m offers a working height of almost 6.3 metres with Genie claiming that feedback from its telematics data inputs revealed that 95 percent of 20ft scissor lifts never go above 16ft – a working height of 6.8 metres. The micro models are lighter - the GS-1432 is just 900kg - and shorter, at 1.4 metres with the platform entry steps installed, as well as offering an overall width of 810mm.

The new models feature Genie's E-Drive AC brushless wheel motor drive for longer battery life, and will replace the existing GS-1330, GS-1530 and GS-1532 models. The first units are likely to be built in China but it has been designated

for 'global production'. In spite of its low weight, the GS-1432 has a full height outdoor rating and is under two metres high when stowed - so no pfaing around with folding guardrails.

Skyjack micros

The new 14ft Skyjack SJ3014 micro scissor is slightly narrower than the Genie at 760mm, but longer at 1.49 metres, although removing the step reduces that to 1.3 metres. The overall height is just over two metres, while overall weight is 820kg. It is however, an indoor only machine, in the belief that most European users understand this and prefer the greater reach, given the applications they are used for. In North American the same machine is limited to 13ft and weighs 886kg

(65kg more than the SJ3014), with the combination providing a one person outdoor rating. Unlike Skyjack's new SJ20 mast lift, these units have rear wheel drive with DC brushless electric motors.

How do they compare?

As you can see from our comparison, there is already a wide choice in this sector, and this chart is by no means exhaustive. Specifications do not differ that much, but this is a market where a few millimetres can make the difference.



Skyjack's new SJ3014 micro scissor



Micro scissors compete with mast type lifts



Genie's new GS-1432



The entry step is built into the overall machine length

| Make | Model | Work height | | Platform capacity | | O/A width | O/A length * | Stowed height** | Total weight | Platform extension | Drive Fr/E/AC |
|----------|-------------------|-------------|---------|-------------------|----------|-----------|--------------|-----------------|--------------|--------------------|---------------|
| | | Indoor | Outdoor | Indoor | Outdoor | | | | | | |
| Genie | GS-1432m | 6.3m | 6.3m | 227kg | 227kg | 810mm | 1.4m | 1.88m | 900kg | 600mm | Re/E/DC |
| Skyjack | SJ3013 | 5.79m | 6.3m | 227kg | 227kg/1p | 760mm | 1.49m | 2.02m | 886kg | 510mm | Re/E/DC |
| Skyjack | SJ3014 | 6.4m | No | 227kg | No | 760mm | 1.49m | 2.05m | 820kg | 510mm | Re/E/DC |
| Mantall | XE60 Mini ED Plus | 6.4m | No | 240kg | No | 760mm | 1.35m | 2.03m | 810kg | 550mm | Re/E/DC |
| Mantall | XE5 Mini ED Plus | 5.0m | No | 240kg | No | 760mm | 1.49m | 2.03m | 760kg | 550mm | Re/E/DC |
| JLG | 1230ES | 5.66m | 5.66m | 230kg | 230kg | 760mm | 1.36m | 1.65m | 790kg | No | Fr/E/DC |
| GMG | 1330ED | 6.0m | No | 240kg | No | 740mm | 1.43m | 1.95m | 730kg | 550mm | Fr/E/DC |
| Dingli | JCPT0607DCS | 5.6m | 5.6m/1p | 240kg | 240kg/1p | 760mm | 1.44m | 2.03m | 880kg | 600mm | Fr/E/ADC |
| Sinoboom | 0407SE | 5.8m | No | 240kg | No | 760mm | 1.42m | 1.97m | 880kg | 600mm | Re/E/ |
| Sinoboom | VMO4E | 5.8m | 5.8m | 227kg | 227kg/1p | 780mm | 1.38m | 1.65m | 840kg | 500mm | Re/E/ |
| LGMG | SS0407E | 5.6m | 5.6m | 240kg | 240kg | 760mm | 1.53m | 2.06m | 880kg | 600mm | Fr/E |
| LGMG | SS0507E | 6.3m | 6.3m | 230kg | 230kg | 810mm | 1.53m | 2.15m | 985kg | 600mm | Fr/E |
| Haulotte | Star 6 | 5.8m | 5.8m | 230kg | 230kg/1p | 790mm | 1.4m | 1.75m | 835kg | 400mm | Fr/E/AC |
| Skyjack | SJ12 | 5.65m | 5.65m | 227kg | 227kg/1p | 780mm | 1.37m | 1.78m | 863kg | 410mm | Tf/H |
| JLG | ES1330L | 5.8m | 5.8m | 227kg | 227kg | 760mm | 1.43m | 1.82m | 900kg | 550mm | Fr/E/DC |
| Snorkel | S3010E | 5.0m | No | 227kg | No | 770mm | 1.26m | 1.8m | 495kg | No | Fr/E/DC |
| Snorkel | TM12E | 5.65m | 5.65m | 227kg | 227kg/1p | 760mm | 1.37m | 1.7m | 1,016kg | 510mm | Fr/E/DC |
| Aichi | WM05C1NS | 6.78m | No | 200kg | No | 770mm | 1.3m | 1.55m | 800kg | 550mm | Re/E/AC |
| MEC | 1330SE Micro | 6.0m | 5.0m | 240kg | 240kg | 800mm | 1.45m | 2.03m | 937kg | 610mm | Fr/E/DC |
| JCB | S1530E | 6.5m | 6.5m | 280kg | 280kg/1p | 770mm | 1.78m | 2.11m | 1,373kg | 900mm | Fr/H |
| Eastman | ES1330E | 5.9m | 5.0m | 240kg | 240kg/1p | 760mm | 1.44m | 2.07m | 880kg | 550mm | Re/E/DC |
| Imer | Easy Up 5 SP | 5.2m | 5.2m | 200kg | 200kg | 760mm | 1.39m | 1.81m | 500kg | No | Re/E/DC |
| Imer | IM 4680 MC | 6.5m | 6.5m | 230kg | 230kg/1p | 800mm | 1.85m | 2.02m | 1,540kg | 360mm*** | Fr/E/DC |
| ELS | 5.5 Junior SP | 5.9m | 5.9m | 250kg | 250kg | 760mm | 1.43m | 1.89m | 660kg | 500mm | Re/E/DC |
| Hy-Brid | PS-1430 | 6.1m | 4.9m | 317kg | 317kg/1p | 762mm | 1.76m | 1.81m | 808kg | 762mm | Re/E/DC |
| Bravi | Leonardo HD | 4.9m | 4.9m | 180kg | 180kg | 739mm | 1.19m | 1.75m | 560kg | 595mm | Re/E/DC |
| Bravi | Lui 460 | 6.6m | No | 280kg | No | 680mm | 1.66m | 1.86m | 1,250kg | 716mm | Re/E/DC |

Drive: Fr= front wheel drive Re= Rear wheel drive E= Electric H= Hydraulic S= Side extension T= Two extensions

* Length with steps in place ** Height with guardrails up *** Side extension

POWERED TO LIFT YOUR performance

EXTENSIVE RANGE OF AERIAL
LIFTS & MATERIAL HANDLING
FOR EVERY HEIGHT

- Durable all-steel construction
- Industry-leading lift capacity
- Versatile performance
- Low total ownership costs
- Electric models available



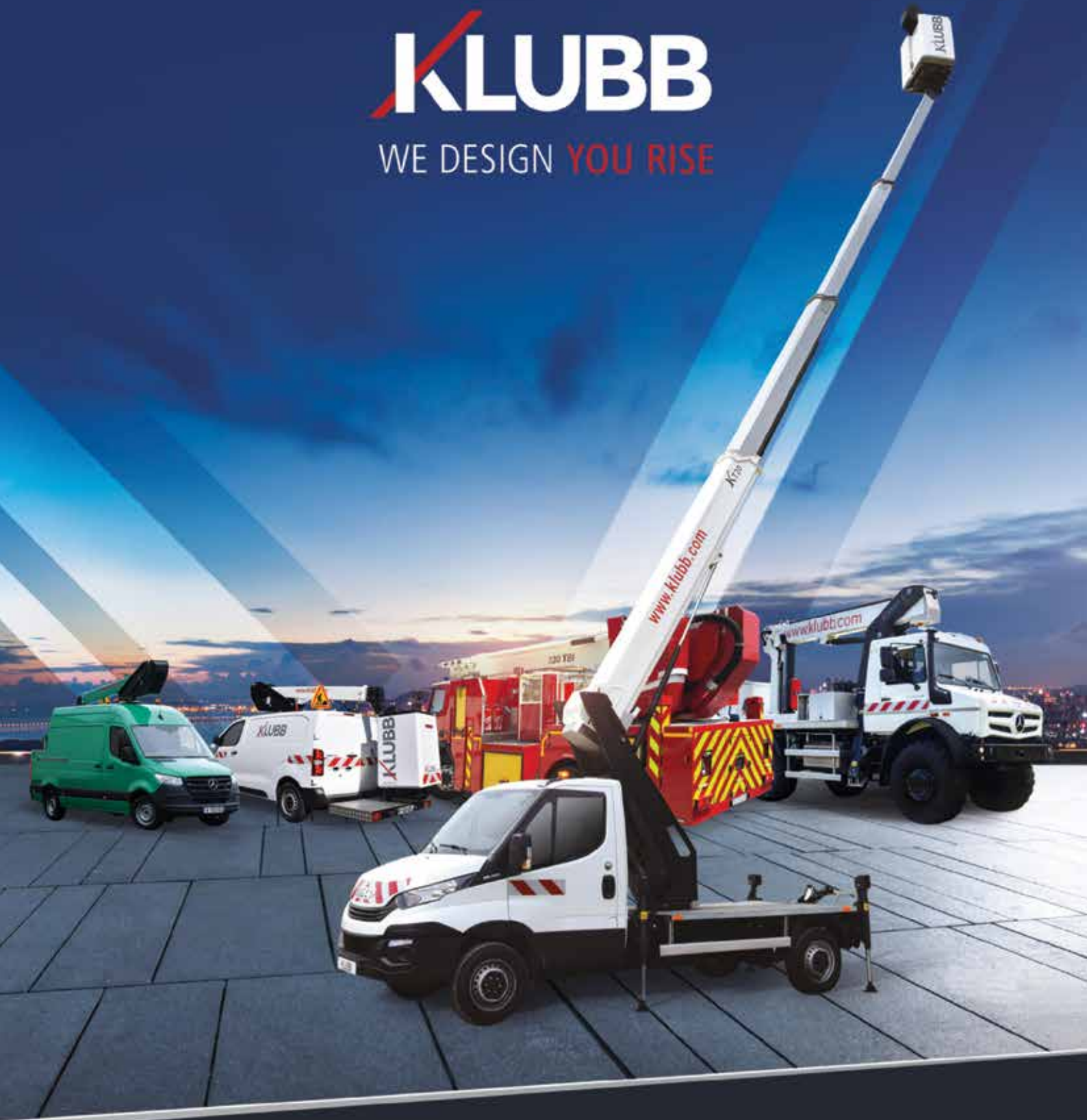
FOR MORE INFORMATION CALL
Snorkel™ at +44 (0) 845 1550 057
or visit www.snorkellifts.com

©2021 Snorkel. All rights reserved.

snorkel™

KLUBB

WE DESIGN YOU RISE



KLUBB, the vehicles mounted lift manufacturer **market leader** in Europe, offers a **full range** of conversions designed for users down to the smallest technical detail:

- Light and heavy van mounts from 9 to 17m
- Chassis mounted lifts from 12 to 20m
- Heavy truck platforms from 18 to 35m
- Firefighting platforms and insulated boom lifts up to 67m

We are able to offer customers **high performance**, cost-efficient aerial platforms that deliver new advances in performance, safety and total cost of ownership.

KLUBB

We are building an extensive network of **KLUBB dealers** who all offer **outstanding levels of service**.

For more information, contact us:

www.klubb.com
marketing@klubb.com