

## Scissor lifts



## Scissors lifts

SAB AR-66  
SAB AR-78  
SAB AR-90  
SAB AR-102

SAB A-66  
SAB A-78  
SAB A-90  
SAB A-102

SAB B-80  
SAB B-99  
SAB B-118  
SAB B-137  
SAB B-137 L

SAB C-151  
SAB C-175  
SAB C-200



**WEISS**  
Technology for  
transporting and lifting



SAB A-90 with a maximum working height of 9,0 m

Forward drive also possible when only one drive wheel has traction. Driving over thresholds possible with differential lock.

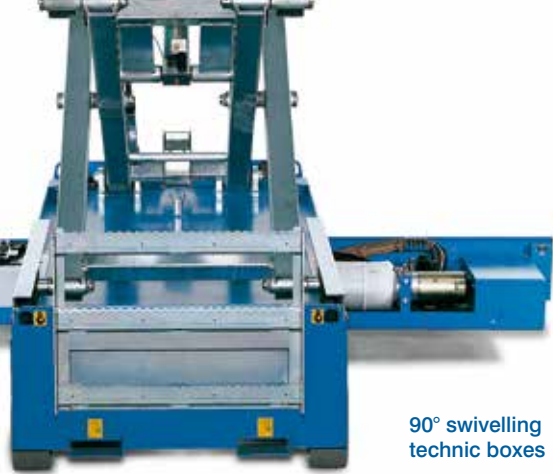
## Increasing efficiency and productivity

Whether cleaning or maintenance work, installation as well as renovation tasks and warehouse and decorating in buildings and exhibition halls, outdoors - its doesn't matter what kind of work you want to perform and the kind of location, with the WEISS scissor lift you have a tool that ensures the profitability and increases productivity. Save yourself the time-consuming erection of scaffolding, ladders and other temporary constructions. By using WEISS scissor lifts you have an economical and safe solution. Whoever has to work at a certain height will really appreciate the operator-friendly and easy to use WEISS scissor lifts. This lifting platform is a marketable alternative for working comfortably at greater heights.

## The advantages > What you stand to gain

- |  |  |
|--|--|
| - Enclosed drive   | > no soiling of hydraulic and electric unit                                |
| - Mechanism boxes with 90° swivelling                      | > easy access for service on hydraulic and electric unit                   |
| - Compact hydraulic unit                                   | > no unorganised single components scattered through the machine           |
| - Hard chrome-plated cross bolts                           | > minimum maintenance necessary  |
| - Internal cable channel                                   | > no defects due to crushed cables; quick exchange                         |
| - Screw-on rail  | > exchange without welding or painting                                     |
| - Electric drive with 2 electric motors in rear            | > soft running up, no leakage through hydraulic tubes                      |
| - Hydraulic lifting and steering                           | > low oil consumption; more sensitive control                              |
| - Separation of electric motorization and hydraulic system | > higher effective range of batteries, longer service life by approx. 30 % |
| - Connectible differential lock                            | > easier passing of obstacles (e.g. hump)                                  |
| - Sufficient ground clearance                              | > no touchdown on ramps  |
| - Proportional steering                                    | > high driving comfort   |
| - Deck extension mounted on wheels                         | > No jamming of the extension  |
| - Integrated towing lug                                    | > higher safety in loading and unloading                                   |
| - Adjustable scissor mechanism guide                       | > High scissor strength  |
| - Extras   | > Individual wishes will be taken care of                                  |

# Scissor lifts



90° swivelling  
technic boxes

## The perfect solution

to increase the efficiency of your repair and maintenance tasks.

All the integrated components on the WEISS scissor lift are arranged in 2 technology boxes which can be swivelled by 90° for easier maintenance. The standard components are of the highest quality and can therefore be found at a reasonable spare part price in almost all countries. The chassis is completely enclosed and the installed components are protected from dirt and damage. The platform is easy to dismantle and the handrail has only 1 screw per post and is easy to change. The scissors are powder-coated or, if desired, galvanised and offer the greatest protection against rust; paint damage is a thing of the past. The switching cabinet is clearly structured, all cables are labelled and clamped and can easily be maintained. By separating the hydraulics for driving and lifting the piping that is prone to leakage is eliminated and cannot, as a result, cause oil slicks on the users premises.

## Mobility

A working height of up to 20 m can be achieved with the WEISS scissor lift, the carrying capacity is up to 500 kg. The 1.90 m, respectively 2.50 m, long platform is fitted, as standard, with a 1 m long extendible additional platform. The C-range, with its optional double platform extension, even offers a 5.3 m long working platform. The dimensions and the mobility are amazing. The scissor lifts A-66 to A-102 are only 2 m long and 83 cm wide, as a result of the retractable railings the clearance height is under 2 m. The compact design, with the electrical drive at the rear and a wheel lock of almost 90° gives fantastic manoeuvrability. Driving through doors, in narrow aisles, in warehouses and machine parks or at exhibitions is always ensured.

## Safety in operation



The WEISS scissor lifts are built according to EN 280 and thus comply with the latest safety regulations. The operating elements are labelled with clear symbols and serve the confusion-free operation by the user. Of course all machines comply with the BGR 500 / BGG 945. The approval by the TÜV (German certification institute) ensures the same standards nationwide on all building sites.



## > Additional equipment

- Flashing lamp
- Black box
- Removable rail
- Horn for all functions
- 230 volts on platform
- Compressed air on platform
- Collision protection front / rear

Closed chassis  
of the SAB



WEISS SAB with fold-out rail



**WEISS**  
Technology for  
transporting and lifting



## Model SAB AR



|   | SAB AR-66                       | SAB AR-78                       | SAB AR-90                       | SAB AR-102                      |
|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Working height                              | 6,7 m                           | 8,0 m                           | 9,3 m                           | 10,6 m                          |
| A. Platform height                          | 4,7 m                           | 6,0 m                           | 7,3 m                           | 8,6 m                           |
| B. Platform lowered                         | 1,05 m                          | 1,15 m                          | 1,26 m                          | 1,36 m                          |
| C. Platform – rail height                   | 1,1 m                           | 1,1 m                           | 1,1 m                           | 1,1 m                           |
| D. Headroom                                 | 2,14 m                          | 2,25 m                          | 2,35 m                          | 2,46 m                          |
| E. (Rail lowered)                           | 1,69 m                          | 1,79 m                          | 1,90 m                          | 2,00 m                          |
| F. Platform size                            | 0,83 m x 1,9 m                  | 0,83 m x 1,9 m                  | 0,83 m x 1,9 m                  | 0,83 m x 1,9 m                  |
| G. Deck extension                           | 0,8 m                           | 0,8 m                           | 0,8 m                           | 0,8 m                           |
| H. Total width / H1                         | 0,83 m / 1,3 m                  | 0,83 m / 1,3 m                  | 0,83 m / 1,3 m                  | 0,83 m / 1,3 m                  |
| I. Total length <sup>1.)</sup> / with dist. | 2,10 m / 2,40 m                 | 2,10 m / 2,40 m                 | 2,10 m / 2,40 m                 | 2,10 m / 2,40 m                 |
| J. Floor space each side                    | 1,6 m x 0,23 m                  | 1,6 m x 0,23 m                  | 1,6 m x 0,23 m                  | 1,6 m x 0,23 m                  |
| K. Ground clearance                         | 80 mm                           | 80 mm                           | 80 mm                           | 80 mm                           |
| Loading capacity inner area                 | 300 kg, 2 Pers.                 | 300 kg, 2 Pers.                 | 200 kg, 2 Pers.                 | 200 kg, 2 Pers.                 |
| Loading capacity outer area                 | 200 kg, 1 Pers.                 | 200 kg, 1 Pers.                 | 200 kg, 1 Pers.                 | 200 kg, 1 Pers.                 |
| Loading capacity of the deck extension      | 200 kg                          | 200 kg                          | 200 kg                          | 200 kg                          |
| Maximum slope                               | 2,5 grade                       | 2,5 grade                       | 2,0 grade                       | 2,0 grade                       |
| Total weight / with dist.                   | 1590 kg / 1740 kg               | 1660 kg / 1810 kg               | 1810 kg / 1960 kg               | 1890 kg / 2040 kg               |
| Lifting/lowering time                       | 25/26 sec                       | 25/26 sec                       | 50/39 sec                       | 50/39 sec                       |
| Speed when lowered                          | 0 - 4 km/h                      | 0 - 4 km/h                      | 0 - 4 km/h                      | 0 - 4 km/h                      |
| Speed by max. height                        | 0 - 1 km/h                      | 0 - 1 km/h                      | 0 - 1 km/h                      | 0 - 0,7 km/h                    |
| Gradeability max. <sup>2.)</sup>            | 100 % / 45 grade                | 100 % / 45 grade                | 100 % / 45 grade                | 100 % / 45 grade                |
| Control                                     | proportional                    | proportional                    | proportional                    | proportional                    |
| Drive                                       | elektr. / hydr.                 | elektr. / hydr.                 | elektr. / hydr.                 | elektr. / hydr.                 |
| Steering angle                              | 360°                            | 360°                            | 360°                            | 360°                            |
| Rubbertrack                                 | 230/72/56                       | 230/72/56                       | 230/72/56                       | 230/72/56                       |
| Battery 24 V (8 x 6 volt DC)                | GiS 200 Ah/5h<br>GiS 240 Ah/20h | GiS 200 Ah/5h<br>GiS 240 Ah/20h | GiS 200 Ah/5h<br>GiS 240 Ah/20h | GiS 200 Ah/5h<br>GiS 240 Ah/20h |
| Battery recharging device                   | 30 A                            | 30 A                            | 30 A                            | 30 A                            |

Optional: Hydraulic support for use off-road / track-saver

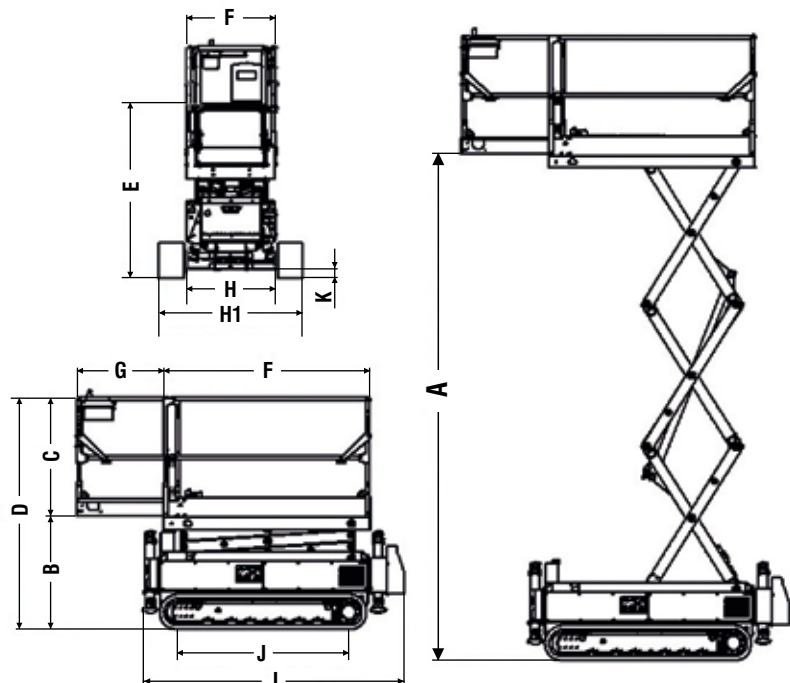
1.) Length including ladder

2.) max. climbing capability only with securing of the machine

Technical changes excepted!

## That speaks for itself!

- complies with DIN 18032 approved for use on sports floors with a maximum load limit of < 5 kN/m<sup>2</sup>
- Suitable for all building flooring types due to the low area loading
- Tracks that do not leave any traces – no visible rubber wear on hall floors!
- Track of 0.83 m that can be widened to 1.30 m - high level of stability!
- Working height up to 10.50 m
- All models approved for outdoor use
- Comfortable operation with highest level of safety
- Internationally protected by patent

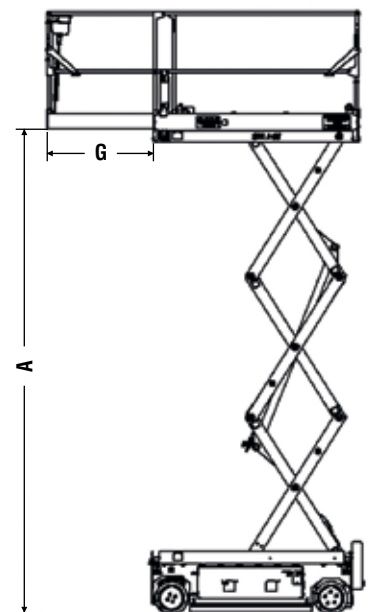
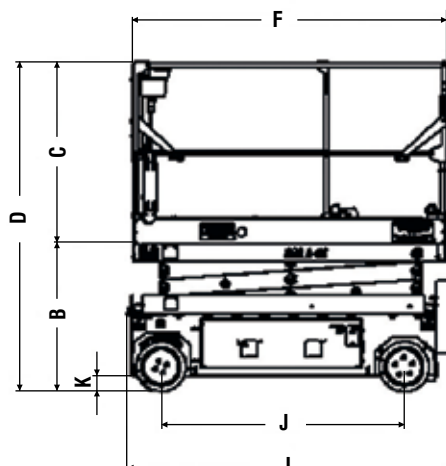
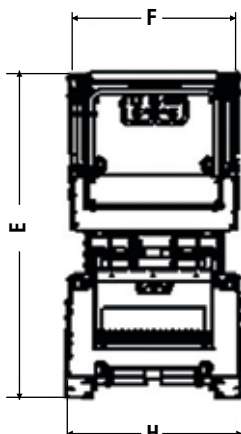


## Model SAB A

|  | SAB A-66                        | SAB A-78                        | SAB A-90                        | SAB A-102                       |
|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Working height                         | 6,6 m                           | 7,8 m                           | 9,0 m                           | 10,2 m                          |
| A. Platform height                     | 4,6 m                           | 5,8 m                           | 7,0 m                           | 8,2 m                           |
| B. Platform lowered                    | 0,9 m                           | 1,0 m                           | 1,1 m                           | 1,2 m                           |
| C. Platform – rail height              | 1,1 m                           | 1,1 m                           | 1,1 m                           | 1,1 m                           |
| D. Headroom                            | 2,0 m                           | 2,1 m                           | 2,2 m                           | 2,3 m                           |
| E. (Rail lowered)                      | 1,55 m                          | 1,70 m                          | 1,75 m                          | 1,85 m                          |
| F. Platform size                       | 0,78 m x 1,9 m                  | 0,78 m x 1,9 m                  | 0,78 m x 1,9 m                  | 0,78 m x 1,9 m                  |
| G. Deck extension                      | 1,0 m                           | 1,0 m                           | 1,0 m                           | 1,0 m                           |
| H. Total width                         | 0,83 m                          | 0,83 m                          | 0,83 m                          | 0,83 m                          |
| I. Total length <sup>1.)</sup>         | 2,0 m                           | 2,0 m                           | 2,0 m                           | 2,0 m                           |
| J. Wheelbase                           | 1,48 m                          | 1,48 m                          | 1,48 m                          | 1,48 m                          |
| K. Ground clearance                    | 92 mm                           | 92 mm                           | 92 mm                           | 92 mm                           |
| Punch protection extended              | 17 mm                           | 17 mm                           | 17 mm                           | 17 mm                           |
| Loading capacity inner area            | 300 kg, 2 Pers.                 | 300 kg, 2 Pers.                 | 250 kg, 2 Pers.                 | 250 kg, 2 Pers.                 |
| Loading capacity outer area            | 150 kg, 1 Pers.                 | 150 kg, 1 Pers.                 | -----                           | -----                           |
| Loading capacity of the deck extension | 300 kg                          | 300 kg                          | 250 kg                          | 250 kg                          |
| Maximum slope                          | 2 grade                         | 2 grade                         | 1,5 grade                       | 1,5 grade                       |
| Total weight                           | 1629 kg                         | 1729 kg                         | 1934 kg                         | 2150 kg                         |
| Lifting/lowering time                  | 25/26 sec                       | 25/26 sec                       | 50/39 sec                       | 50/39 sec                       |
| Speed when lowered                     | 0 - 4 km/h                      | 0 - 4 km/h                      | 0 - 4 km/h                      | 0 - 4 km/h                      |
| Speed by max. height                   | 0 - 1 km/h                      | 0 - 1 km/h                      | 0 - 1 km/h                      | 0 - 0,7 km/h                    |
| Gradeability                           | 25 %                            | 25 %                            | 23 %                            | 23 %                            |
| Control                                | proportional                    | proportional                    | proportional                    | proportional                    |
| Drive                                  | E-rear motor<br>2 x 0,7 kW      | E-rear motor<br>2 x 0,7 kW      | E-rear motor<br>2 x 0,7 kW      | E-rear motor<br>2 x 0,7 kW      |
| Steering angle                         | 87°                             | 87°                             | 87°                             | 87°                             |
| Tyres (size/type)                      | 305 mm x 120 mm<br>not marking  | 305 mm x 120 mm<br>not marking  | 305 mm x 120 mm<br>not marking  | 305 mm x 120 mm<br>not marking  |
| Battery 24 V (4 x 6 volt DC)           | GiS 200 Ah/5h<br>GiS 240 Ah/20h | GiS 200 Ah/5h<br>GiS 240 Ah/20h | GiS 200 Ah/5h<br>GiS 240 Ah/20h | GiS 200 Ah/5h<br>GiS 240 Ah/20h |
| Battery recharging device              | 30 A                            | 30 A                            | 30 A                            | 30 A                            |

1.) Length including ladder

Technical changes excepted!



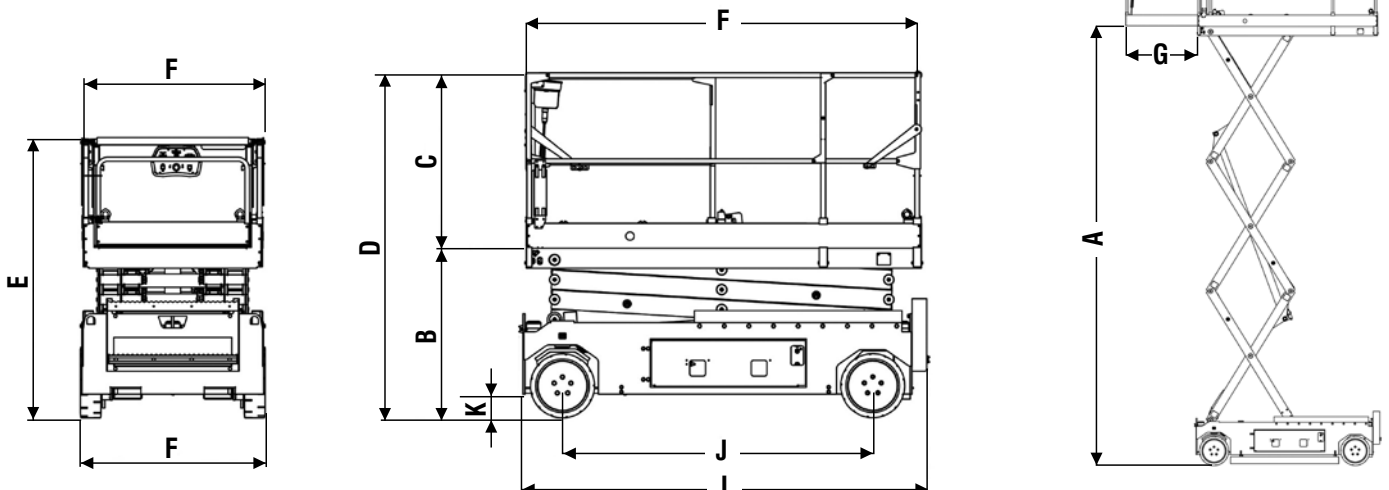
# Technical data

## Model SAB B

|  | SAB B-80                        | SAB B-99                        | SAB B-118                       | SAB B-137                       | SAB B-137 L                     |
|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Working height                         | 8,0 m                           | 9,9 m                           | 11,8 m                          | 13,7 m                          | 13,7 m                          |
| A. Platform height                     | 6,1 m                           | 8,0 m                           | 9,9 m                           | 11,8 m                          | 11,8 m                          |
| B. Platform lowered                    | 1,08 m                          | 1,2 m                           | 1,33 m                          | 1,46 m                          | 1,46 m                          |
| C. Platform – rail height              | 1,1 m                           | 1,1 m                           | 1,1 m                           | 1,1 m                           | 1,1 m                           |
| D. Headroom                            | 2,18 m                          | 2,3 m                           | 2,43 m                          | 2,56 m                          | 2,56 m                          |
| E. (Rail lowered)                      | 1,77 m                          | 1,90 m                          | 2,02 m                          | 2,15 m                          | 2,15 m                          |
| F. Platform size                       | 1,14 m x 2,5 m                  | 1,14 m x 2,5 m                  | 1,14 m x 2,5 m                  | 1,14 m x 2,5 m                  | 1,14 m x 2,5 m                  |
| G. Deck extension                      | 1,0 m                           | 1,0 m                           | 1,0 m                           | 1,0 m                           | 0,9 m                           |
| H. Total width                         | 1,18 m                          | 1,18 m                          | 1,18 m                          | 1,18 m                          | 1,18 m                          |
| I. Total length <sup>1.)</sup>         | 2,6 m                           | 2,6 m                           | 2,6 m                           | 2,6 m                           | 2,6 m                           |
| J. Wheelbase                           | 1,96 m                          | 1,96 m                          | 1,96 m                          | 1,96 m                          | 1,96 m                          |
| K. Ground clearance                    | 145 mm                          | 145 mm                          | 145 mm                          | 145 mm                          | 145 mm                          |
| Punch protection extended              | 20 mm                           | 20 mm                           | 20 mm                           | 20 mm                           | 20 mm                           |
| Loading capacity inner area            | 500 kg, 2 Pers.                 | 500 kg, 2 Pers.                 | 300 kg, 2 Pers.                 | 300 kg, 2 Pers.                 | 300 kg, 2 Pers.                 |
| Loading capacity outer area            | 240 kg, 2 Pers.                 | 240 kg, 2 Pers.                 | 300 kg, 1 Pers.                 | 300 kg, 1 Pers.                 | 300 kg, 1 Pers.                 |
| Loading capacity of the deck extension | 500 kg                          | 500 kg                          | 300 kg                          | 300 kg                          | 300 kg                          |
| Maximum slope                          | 2 Grad                          | 2 Grad                          | 2 Grad                          | 2 Grad                          | 2 Grad                          |
| Total weight                           | 2490 kg                         | 2694 kg                         | 3070 kg                         | 3510 kg                         | 2850 kg                         |
| Lifting/lowering time                  | 30/32 sec                       | 30/32 sec                       | 58/47 sec                       | 58/52 sec                       | 58/52 sec                       |
| Speed when lowered                     | 0 - 4 km/h                      | 0 - 4 km/h                      | 0 - 4 km/h                      | 0 - 4 km/h                      | 0 - 4 km/h                      |
| Speed by max. height                   | 0 - 1 km/h                      | 0 - 1 km/h                      | 0 - 1 km/h                      | 0 - 0,5 km/h                    | 0 - 0,5 km/h                    |
| Gradeability                           | 25 %                            | 25 %                            | 25 %                            | 20 %                            | 25 %                            |
| Control                                | proportional                    | proportional                    | proportional                    | proportional                    | proportional                    |
| Drive                                  | E-rear motor<br>2 x 1,7 kW      | E-rear motor<br>2 x 1,7 kW      | E-rear motor<br>2 x 1,7 kW      | E-rear motor<br>2 x 1,7 kW      | E-rear motor<br>2 x 1,7 kW      |
| Steering angle                         | 87°                             | 87°                             | 87°                             | 87°                             | 87°                             |
| Tyres (size/type)                      | 405 mm x 130 mm<br>not marking  | 405 mm x 130 mm<br>not marking  | 405 mm x 130 mm<br>not marking  | 405 mm x 130 mm<br>not marking  | 405 mm x 130 mm<br>not marking  |
| Battery 24 V (4 x 6 volt DC)           | GiS 200 Ah/5h<br>GiS 240 Ah/20h | GiS 200 Ah/5h<br>GiS 240 Ah/20h | GiS 200 Ah/5h<br>GiS 240 Ah/20h | GiS 400 Ah/5h<br>GiS 480 Ah/20h | GiS 200 Ah/5h<br>GiS 240 Ah/20h |
| Battery recharging device              | 30 A                            | 30 A                            | 30 A                            | 24V / 30 A                      | 24V / 30 A                      |

<sup>1.)</sup> Length including ladder

Technical changes excepted!



## Model SAB C

|   | SAB C-151                      | SAB C-175                      | SAB C-200                      |
|---|--------------------------------|--------------------------------|--------------------------------|
| Working height                              | 15,1 m                         | 17,5 m                         | 20,0 m                         |
| A. Platform height                          | 13,1 m                         | 15,5 m                         | 18,0 m                         |
| B. Platform lowered                         | 1,92 m                         | 2,12 m                         | 2,32 m                         |
| C. Platform – rail height                   | 1,1 m                          | 1,1 m                          | 1,1 m                          |
| D. Headroom                                 | 3,03 m                         | 3,23 m                         | 3,43 m                         |
| E. (Rail lowered)                           | 2,32 m                         | 2,52 m                         | 2,72 m                         |
| F. Platform size                            | 1,14 m x 2,95 m                | 1,14 m x 2,95 m                | 1,14 m x 2,95 m                |
| G. Deck extension                           | 1 x 1,2 m                      | 1 x 1,2 m                      | 1 x 1,2 m                      |
| Deck extension optional                     | 2 x 1,2 m                      | 2 x 1,2 m                      | 2 x 1,2 m                      |
| H. Total width                              | 1,19 m                         | 1,19 m                         | 1,19 m                         |
| I. Total length <sup>1.)</sup> / with dist. | 3,2 m / 3,4 m                  | 3,2 m / 3,4 m                  | 3,2 m / 3,4 m                  |
| J. Wheelbase                                | 2,47 m                         | 2,47 m                         | 2,47 m                         |
| K. Ground clearance                         | 150 mm                         | 150 mm                         | 150 mm                         |
| Punch protection extended                   | 35 mm                          | 35 mm                          | 35 mm                          |
| Loading capacity inner area                 | 500 kg, 2 Pers.                | 500 kg, 2 Pers.                | 400 kg, 2 Pers.                |
| Loading capacity outer area                 | 300 kg, 1 Pers.                | 300 kg, 1 Pers. <sup>2.)</sup> | 300 kg, 1 Pers. <sup>2.)</sup> |
| Loading capacity of the deck extension      | 500 kg                         | 500 kg                         | 400 kg                         |
| Maximum slope                               | 2 Grad                         | 2 Grad                         | 2 Grad                         |
| Total weight / with dist.                   | 5750 kg / 6050 kg              | 6050 kg / 6350 kg              | 6400 kg / 6700 kg              |
| Lifting/lowering time                       | 68/63 sec                      | 75/72 sec                      | 90/84 sec                      |
| Speed when lowered                          | 0 - 4 km/h                     | 0 - 4 km/h                     | 0 - 4 km/h                     |
| Speed by max. height                        | 0 - 0,7 km/h                   | 0 - 0,7 km/h                   | 0 - 0,7 km/h                   |
| Gradeability                                | 25 %                           | 25 %                           | 25 %                           |
| Control                                     | proportional                   | proportional                   | proportional                   |
| Drive                                       | E-rear motor<br>2 x 3 kW       | E-rear motor<br>2 x 3 kW       | E-rear motor<br>2 x 3 kW       |
| Steering angle                              | 87°                            | 87°                            | 87°                            |
| Tyres (size/type)                           | 463 mm x 205 mm<br>not marking | 463 mm x 205 mm<br>not marking | 463 mm x 205 mm<br>not marking |
| Battery 24/48 V<br>(4/8 x 6 volt DC)        | 285 Ah/5h<br>335 Ah/20h        | 285 Ah/5h<br>335 Ah/20h        | 285 Ah/5h<br>335 Ah/20h        |
| Battery recharging device                   | 48 V / 50 A                    | 48 V / 50 A                    | 48 V / 50 A                    |

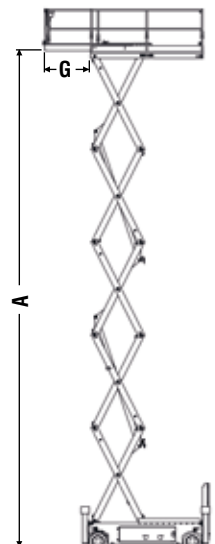
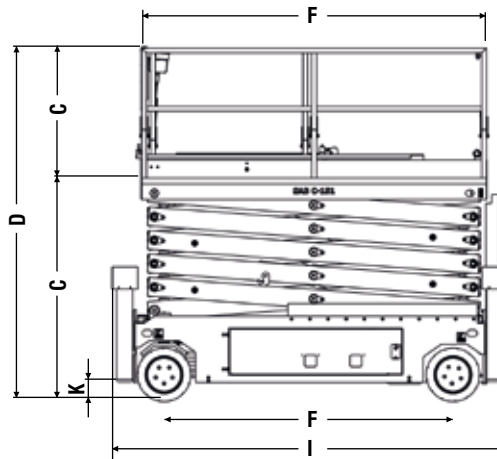
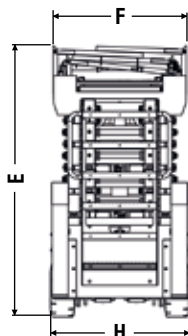
1.) Length including ladder

Technical changes excepted!

2.) Only in combination with hydraulic support



5,35 m





# References

Bayer (Schweiz) AG  
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Carl Zeiss  
73447 Oberkochen

Messe Düsseldorf  
40474 Düsseldorf

Daimler AG  
70546 Stuttgart

UP AG  
CH-8910 Affoltern a.A.

AVS SYSTEM LIFT AG  
(With over  
6.500 working platforms)

# Special machines

Special wishes and requirements - whether its a safety subject, space requirement, the working environment or special use - are today becoming more and more sophisticated. The objective is that the WEISS working platform is easy to integrate into an existing system - and not vice versa. Whether smaller or larger special requirements - the benefit and the use generated determine the decision to buy a working platform. What speaks for WEISS is that the customers feel the added value and are satisfied with their solution.



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