## H=Hydrostatic E=electric drive C=Compact N=Narrow

Aras provides SC Series of scissor aerial work platform provides automatic walking, vertical lift and platform extension function, suitable for indoor and outdoor environment.SC Series are widely used in electrical power, petrochemical, manufacturing, equipment installation, and maintenance.

| SC05-06 | SC05-06E | SC08HC/EC | SC08-10HN/EN | SC10-16H/E |
|---|---|---|---|---|

ARAS Developments FZE
JAFZA, Dubai - UAE
T: +971 4 887 6602
W: www.arasfze.com

# Scissor Lifts

# Parameter Configuration of SC Series

**SC=Scissor Lift, 08=Working Height, E=Electric Drive, H=Hydraulic Drive, C=Compact , N=Narrow**

| | SC08EC/HC | SC08EN/HN | SC10EN/HN | SC10E/H | SC12E/H | SC14E/H | SC16E/H |
|---|---|---|---|---|---|---|---|
| Safe Working Load | 230kg | 380kg | 230kg | 450kg | 320kg | 320kg | 200kg |
| S.W.L On Extension | 113kg | 113kg | 113kg | 113kg | 113kg | 113kg | 113kg |
| Maximum Workers Number(Indoor) | 2 | 2 | 2 | 2 | 2 | 3 | 2 |
| Minimum Workers Number(Outdoor) | 1 | 1 | / | 1 | 1 | / | / |
| Maximum Working Height h2 | 7.8m | 8m | 10m | 10m | 12m | 14m | 15.7m |
| Maximum Platform Floor Height h1 | 5.8m | 6m | 8m | 8m | 10m | 12m | 13.7m |
| Overall Length L1 | 1.885m | 2.48m | 2.48m | 2.48m | 2.48m | 2.48m | 2.84m |
| Overall Width W1 | 0.76m | 0.81m | 0.81m | 1.15m | 1.15m | 1.15m | 1.25m |
| Overall Height(Rails up) h4 | 2.18m | 2.24m | 2.36m | 2.32m | 2.44m | 2.58m | 2.58m |
| Overall Height(Rails down) h3 | 1.78m | 1.81m | 1.93m | 1.78m | 1.92m | 2.04m | 2.17m |
| Platform Size(Length/Width) | 1.67x0.74m | 2.27x0.81m | 2.27x0.81m | 2.27x1.12m | 2.27x1.12m | 2.27x1.12m | 2.64x1.02m |
| Platform Extension Size | 0.9m | 0.9m | 0.9m | 0.9m | 0.9m | 0.9m | 0.9m |
| Ground Clearance(Lowered) | 0.07m | 0.10m | 0.10m | 0.10m | 0.10m | 0.10m | 0.10m |
| Ground Clearance(Raised) | 0.015m | 0.019m | 0.019m | 0.019m | 0.019m | 0.019m | 0.019m |
| Wheel Base | 1.37m | 1.87m | 1.87m | 1.87m | 1.87m | 1.87m | 2.22m |
| Minimum Turning Radius(inside/outside) | 1.75m | 2.2m | 2.2m | 2.5m | 2.5m | 2.5m | 2.5m |
| Lifting Motor | E:24V/2.0kw H:24V/3.0kw | 24V/3.3kw | 24V/3.3kw | 24V/4.5kw | 24V/4.5kw | 24V/4.5kw | H:24V/4.5kw |
| Drive Motor | E:24V/0.5kw H:24V/3.0kw | E:24V/1.5kw H:24V/3.3kw | E:24V/1.5kw H:24V/3.3kw | E:24V/1.5kw H:24V/4.5kw | E:24V/1.5kw H:24V/4.5kw | E:24V/1.5kw H:24V/4.5kw | E:24V/1.5kw H:24V/4.5kw |
| Travel Speed(Stowed) | E:4.5km/h H:3.8km/h | E:4.0km/h H:3.2km/h | E:4.0km/h H:3.2km/h | E:4.0km/h H:3.2km/h | E:4.0km/h H:3.2km/h | E:4.0km/h H:3.2km/h | E:4.0km/h H:3.2km/h |
| Travel Speed(Raised) | 0.8km/h | 0.8km/h | 0.8km/h | 0.8km/h | 0.8km/h | 0.8km/h | 0.8km/h |
| Up/Down Time | E:23/32s H:20/32s | 32/35s | 32/35s | 27/36s | 48/48s | 80/60s | 70/52s |
| Batteries | 4x6V/220Ah | 4x6V/232Ah | 4x6V/232Ah | 4x6V/232Ah | 4x6V/232Ah | 4x6V/280Ah | 4x12V/310Ah |
| Integrated Charger | 24V/30Ah | 24V/30Ah | 24V/30Ah | 24V/30Ah | 24V/30Ah | 24V/30Ah | 24V/30Ah |
| Gradeability | 25% | 25% | 25% | 25% | 25% | 25% | 25% |
| Maximum Working Slope(indoor) | 1.5°/3° | 2°/3° | 1.5°/3° | 2°/3° | 2°/3° | 1.5°/3° | 1.5°/3° |
| Tires | 305x100mm | 381x127mm | 381x127mm | 381x127mm | 381x127mm | 381x127mm | 381x127mm |
| Total Weight | E:1510kg H:1485kg | 2160kg | 2275kg | 2655kg | 2990kg | 2925kg | 3375kg |

- Manual relief valve (hydraulic drive)

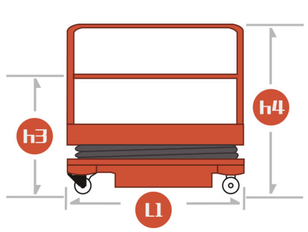
Manual relief valve allows the SC Series to be moved when power is lost.

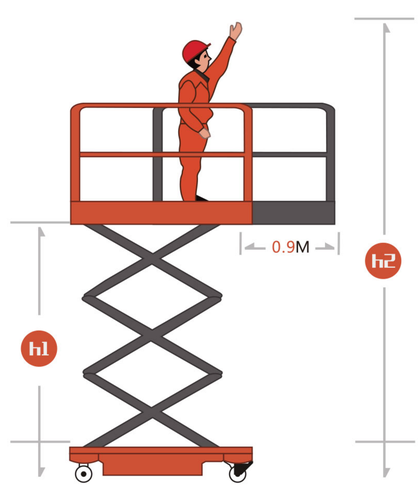
- Hour Meter

Automatically record operating time. User can perform periodic maintenance at the proper intervals.

- Fault code display

Easier trouble shooting and maintenance.



- Emergency lowering system

When power is lost, this system will safely bring the operator to the ground.

- Safety maintenance support bar

For support during maintenance ensuring personal safety.

- Self-Locking Platform door

Self-Locking platform door ensures worker safety.

- Main power switch

When SC SERIES PLATFORM is in storage condition, pressing this button will cut off the power, avoiding battery discharge.

- Charging protection system

When fully charged, electricity supply will be automatically cut off to protect the battery and charger.

- Warning lamp

Warming lamp works during operation.

- Emergency stop button

Up and down operating system are both equipped with emergency stop button. In case of emergency, all actions will be stopped after pressing the button, ensuring operator safety.

- Pot hole protection system

When the operating vehicle is in lifting condition,pot hold protection board will automatically open.

- Auto brake system

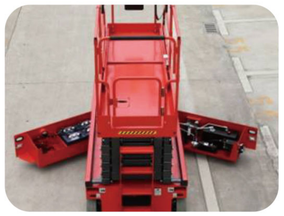
Auto brake system eliminates sliding possibility during slope working.

- Inclined protection

When the operating vehicle exceeds maximum operating angle, this system will automatically alarm and disable ALL actions except.

- Horn and motion buzzing

Horn and motion BUZZER serve as motion alarm.



- Swing out controls

Swing out controls on chassis sides allows for easier maintenance.

- Non-Marking Tires

Durable non-marking tires repel debris.

- Proportional control handle

Control the rate of lifting and travel at any speed.

- Extension platform

Enlarged operating area and the ability to work over obstacles.

- Full height travel

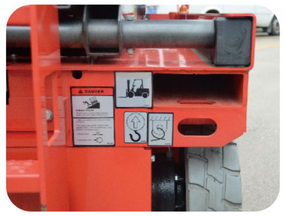
Travel and turn are possible at any working height , which brings convenience and improves the working efficiency. When platform height approaches certain value , the traveling speed will automatically slow down to ensure the safe operation.

- Portable control box

Ensure operator easy operation outside the working platform.

- Terse foldable

Terse foldable rails allow the SC Series to go through areas with height limitations.



- Standard transportation forklift holes and crane holes

Fork pockets and Crane pick-up points allow easy loading and unloading of the SC series when no dock is available.

- Front wheel driving and steering

Minimum turning radius, suitable for operation in narrow space.