

# Diesel-Electric Scissor Lifts

IM 180 SERIES | IT 220 SERIES



The range of scissor platforms for Rough Terrain offers a wide variety of engine solutions: Diesel, Electrical or Dual-power. It consists of **high-performance** models in terms of capacities, from 400 to 800 kg, and working heights, from 13 to 19 metres.

They are designed for an optimal use in the most variates and extreme work situations, without compromising performance or mobility, allowing, depending on the model, to overcome slopes till the extreme of 45%.



**With a compact size to optimize transport and operation,** they offer at the same time considerable working spaces, thanks to the availability of single or double extensions of the main body of the platform.

The large platform is a feature that makes these models ideal for jobs which require enough space for more operators and bulky materials.



As for the pure electric platforms, there are no limitations on use or capacity, always ensuring **traction at the maximum height and capacity** (on flat soils).



They are suitable for use in **many work situations** such as maintenance or new construction in both civil and private environment. They allow high productivity in the various contexts of use, in new residential building sites and services, as well as for public works.



## Traction and Stability

### IM 180 SERIES



Powerful traction available in the various engine versions, which can be further increased for rough terrain by the **4WD hydraulic transmission** and the **oscillating axle**, each one available as **optional** in all models.

### IT 220 SERIES



The **4WD hydraulic transmission** and the **oscillating axle** are offered as **standard** in all models.



The **automatic levelling outriggers system** is available as **optional** in all models, granting to safely and effectively placing the machines on the most difficult workplaces as uneven or sloped terrain. In stabilized mode, a further 100 kg of capacity is added.



**Automatic hydraulic levelling outriggers** are provided on **standard** in all models (for levelling the machine on uneven grounds).

# Standard/Optional

|  | IM 180 E | IM 180 D | IM 180 DE | IT 220 D | IT 220 E |
|--|----------|----------|-----------|----------|----------|
| <b>Platform</b>                            |          |          |           |          |          |
| Double deck extension                      | -        | -        | -         | S        | S        |
| Kit for compressed air                     | O        | O        | O         | O        | O        |
| <b>Power Unit</b>                          |          |          |           |          |          |
| Electric motor                             | S        | -        | S         | -        | S        |
| Traction battery 48 V                      | S        | -        | S         | -        | S        |
| Battery charger with automatic switch off  | S        | -        | S         | -        | S        |
| Water cooled diesel engine                 | -        | S        | S         | S        | -        |
| Start-up battery                           | -        | S        | S         | S        | -        |
| Start-up battery alternator                | -        | S        | S         | S        | -        |
| <b>Power Accessories</b>                   |          |          |           |          |          |
| 230 V cable predisposition                 | S        | S        | S         | S        | S        |
| Cable with plug, socket and safety cut-out | S        | S        | S         | S        | S        |
| Air/oil exchanger                          | O        | S        | S         | -        | -        |
| <b>Stability</b>                           |          |          |           |          |          |
| Automatic levelling outriggers             | O        | O        | O         | S        | S        |
| <b>Traction</b>                            |          |          |           |          |          |
| Oscillating axle                           | O        | O        | O         | S        | S        |
| 4WD hydraulic transmission                 | O        | O        | O         | S        | S        |
| <b>Warning</b>                             |          |          |           |          |          |
| Audible motion alarm                       | S        | S        | S         | S        | S        |
| Horn                                       | S        | S        | S         | S        | S        |
| Kit additional flashing beacon             | O        | O        | O         | O        | O        |
| <b>Tyres</b>                               |          |          |           |          |          |
| Rough terrain extra grip non-marking tyres | S        | O        | S         | O        | S        |
| Rough terrain extra grip black tyres       | O        | S        | O         | S        | O        |



**IT 220 Series**  
Manual double asymmetric deck extension  
(2 m front + 0.9 m rear).



**IM 180 Series**  
Manual deck extension of 1.5 m  
for a total length of 4.2 m.



**IT 220 Series**  
Compact dimensions (2.20x3.92 m).



Simple and intuitive control box that can be removed from the basket for loading / unloading the machine.



Easy to be driven thanks to the reduced steering angle.

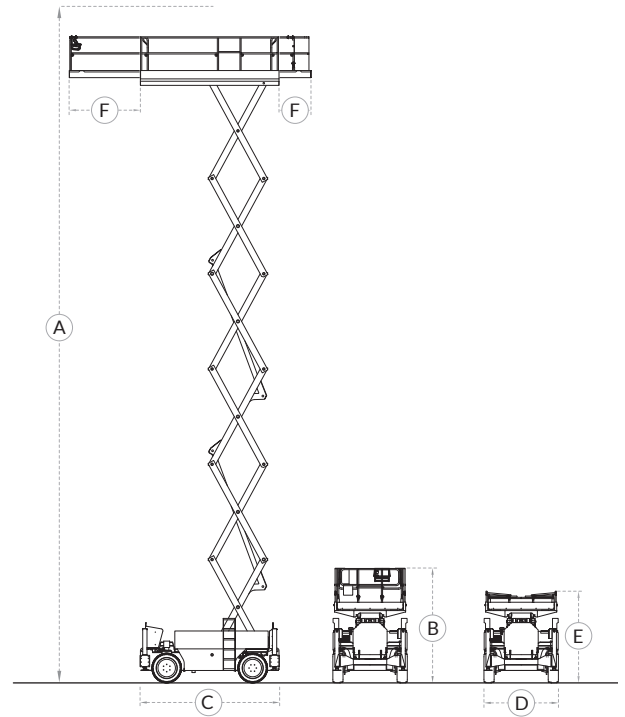
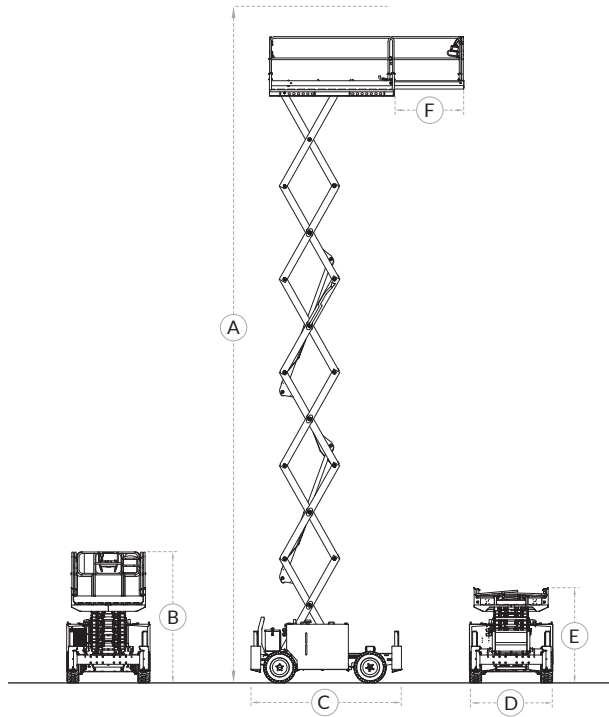


**IM 180 Series**  
Automatic hydraulic stabilization system  
available as optional in all models.



### IM 180 SERIES

### IT 220 SERIES



## Range Specifications

|   |             | Max. working height (A) | Platform capacity (stabilized) | Authorized persons | Stowed height (B) | Length (C) | Width (D) | Folded height (E) | Weight (without stabilizers) | Battery capacity | Platform extension (F)         |
|---|-------------|-------------------------|--------------------------------|--------------------|-------------------|------------|-----------|-------------------|------------------------------|------------------|--------------------------------|
|   |             | mm                      | kg                             | N.                 | mm                | mm         | mm        | mm                | kg                           | V/Ah             | mm                             |
| Series IM 180   | IM 11180 E  | 12800                   | 500 (600)                      | 4*                 | 2687              | 3273       | 1800      | 1899              | 4500 (4300)                  | 48/400           | 1500                           |
|   | IM 11180 D  | 12800                   | 500 (600)                      | 4*                 | 2687              | 3273       | 1800      | 1899              | 4250 (4200)                  | -                | 1500                           |
|   | IM 11180 DE | 12800                   | 500 (600)                      | 4*                 | 2687              | 3273       | 1800      | 1899              | 4700 (4400)                  | 48/300           | 1500                           |
|   | IM 13180 E  | 14800                   | 400 (500)                      | 4*                 | 2944              | 3273       | 1800      | 2056              | 4750 (4700)                  | 48/400           | 1500                           |
|   | IM 13180 D  | 14800                   | 400 (500)                      | 4*                 | 2944              | 3273       | 1800      | 2056              | 4700 (4700)                  | -                | 1500                           |
|   | IM 13180 DE | 14800                   | 400 (500)                      | 4*                 | 2944              | 3273       | 1800      | 2056              | 4900 (4800)                  | 48/300           | 1500                           |
| * 2 people for outdoor use with non-stabilized platform |             |                         |                                |                    |                   |            |           |                   |                              |                  |                                |
| Series IT 220   | IT 14220 D  | 16200                   | 800                            | 3                  | 3010              | 3920       | 2205      | 2215              | 7950                         | -                | Double (2000 front + 900 rear) |
|   | IT 14220 E  | 16200                   | 800                            | 3                  | 3010              | 3920       | 2205      | 2215              | 8150                         | 48/630           | Double (2000 front + 900 rear) |
|   | IT 17220 D  | 19000                   | 540                            | 3                  | 3200              | 3920       | 2205      | 2400              | 8300                         | -                | Double (2000 front + 900 rear) |
|   | IT 17220 E  | 19000                   | 540                            | 3                  | 3200              | 3920       | 2205      | 2400              | 8600                         | 48/630           | Double (2000 front + 900 rear) |