

ELECTRIC SCISSOR LIFTS - ELECTRIC DRIVE

# 1412E PLUS (4647E PLUS)/1414E PLUS (4655E PLUS)

Compliant with CE/ANSI/CSA standards

## PRODUCT HIGHLIGHTS

### Efficient and Environmentally Friendly

- Higher work efficiency
- Environmental protection, zero emissions

### Reduced Maintenance Costs

- The short design of sliding rail makes debris easy to clean
- Rapid, convenient transportation with two-way forklift slot
- Lower cost of ownership with highly versatile parts and components

### Reliable Performance

- New wide scissor design, for a more stable working-at-height experience
- Bumper rail and indented sliding rail designed for anti-scratch



| Standard Features       |                                     |                            |
|-------------------------|-------------------------------------|----------------------------|
| 2WD×2WS                 | Maintenance-free battery            | Fault diagnosis system     |
| Non-marking tires       | Proportional control                | Emergency lowering system  |
| Emergency stop          | Electrophoretic painting            | Tilt protection system     |
| Flashing beacon         | Forklift pockets and lifting points | Overload sensing system    |
| Foldable guardrail      | Automatic pothole protection        | Manual storage box         |
| Drivable at full height | Bumper rails                        | Auto braking system        |
| Horn & buzzer           |                                     |                            |
| Options & Accessories   |                                     |                            |
| RCBO                    | AC power to platform                | Platform work light        |
| Footswitch              | Overhead anti-collision device      | Telematics-ready connector |
| Lithium battery         | AC drive motor                      |                            |

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| Model                                                  | 1412E Plus (4647E Plus)                                             | 1414E Plus (4655E Plus)                                             |
|--------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Dimensions</b>                                      |                                                                     |                                                                     |
| Max Working Height (Indoor/Outdoor)                    | 15.8 m (51'10")                                                     | 15.8 m/10.5 m (51'10"/34'5.4")                                      |
| A Max Platform Height (Indoor/Outdoor)                 | 13.8 m (45'3")                                                      | 13.8 m/8.5 m (45'3"/27'10.6")                                       |
| B Platform Extension                                   | 0.9 m (3')                                                          | 0.9 m (3')                                                          |
| C Length-Stowed                                        | 2.78 m (9')                                                         | 2.78 m (9')                                                         |
| D Width-Stowed                                         | 1.27 m (4'2")                                                       | 1.41 m (4'7")                                                       |
| E Height-Stowed (Rails Folded)                         | 1.96 m (6'5")                                                       | 1.98 m (6'6")                                                       |
| E Height-Stowed (Rails Unfolded)                       | 2.6 m (8'6")                                                        | 2.6 m (8'6")                                                        |
| F Wheelbase                                            | 2.22 m (7'3")                                                       | 2.22 m (7'3")                                                       |
| Ground Clearance (Pothole Guard Stowed)                | 0.1 m (4")                                                          | 0.095 m (3.74")                                                     |
| Ground Clearance (Pothole Guard Deployed)              | 0.025 m (0.98")                                                     | 0.025 m (0.98")                                                     |
| Platform Size (L×W×H)                                  | 2.64 m×1.15 m×1.1 m<br>(8'8"×3'9"×3'7")                             | 2.64 m×1.3 m×1.1 m<br>(8'8"×4'3"×3'7")                              |
| <b>Performance</b>                                     |                                                                     |                                                                     |
| Platform Capacity                                      | 350 kg (772 lbs)                                                    | 350 kg (772 lbs)                                                    |
| Extension Platform Capacity                            | 120 kg (265 lbs)                                                    | 120 kg (265 lbs)                                                    |
| Max Platform Occupants (Indoor/Outdoor)                | 2 persons (Indoor Only)                                             | 2 persons/1 person                                                  |
| Drive Speed (Stowed)                                   | 0~4 km/h (0~2.5 mph)                                                | 0~4 km/h (0~2.5 mph)                                                |
| Drive Speed (Raised)                                   | 0~0.8 km/h (0~0.5 mph)                                              | 0~0.8 km/h (0~0.5 mph)                                              |
| Lift Time (Unloaded)                                   | 75 s~85 s                                                           | 75 s~85 s                                                           |
| Lower Time (Unloaded)                                  | 55 s~63 s                                                           | 55 s~63 s                                                           |
| Gradeability                                           | 25 %                                                                | 25%(AC)/20 %(DC)                                                    |
| Max Allowable Inclination (front-to-back/side-to-side) | 3° /1.5°                                                            | 3° /1.5°                                                            |
| Turning Radius (Inside/Outside)                        | 0/2.64 m (0/8'8")                                                   | 0/2.64 m (0/8'8")                                                   |
| Tire Size/Type                                         | 380×125 mm (15×5") /solid                                           | 380×125 mm (15×5") /solid                                           |
| <b>Power</b>                                           |                                                                     |                                                                     |
| Drive×Steer                                            | 2 WD×2 WS                                                           | 2 WD×2 WS                                                           |
| Power Source (V/kW)                                    | 24 V DC /4.5 kW                                                     | 24 V DC/4.5 kW                                                      |
| Drive Motor (V/kW)                                     | 24 V DC/0.85 kW<br>24 V AC/0.7 kW                                   | 24 V DC/0.85 kW<br>24 V AC/0.7 kW                                   |
| Hydraulic Tank Capacity                                | 15 L (3.3 gal (UK)/4.0 gal (US))                                    | 15 L (3.3 gal (UK)/4.0 gal (US))                                    |
| Batteries                                              | 24 V,280 Ah (Lead acid battery)<br>25.6 V, 200 Ah (Lithium battery) | 24 V,280 Ah (Lead acid battery)<br>25.6 V, 200 Ah (Lithium battery) |
| Charger (Input/Output)                                 | 100 ~ 240 V AC/30 A                                                 | 100 ~ 240 V AC/30 A                                                 |
| <b>Weight</b>                                          |                                                                     |                                                                     |
| Weight (Indoor/Outdoor)                                | 3,375 kg (7,442lbs)(Indoor Only)                                    | 3,660kg (8,069 lbs)                                                 |
| Standards Compliance                                   | CE/EAC                                                              | CE/ANSI/CSA/AS/KCS/EAC                                              |

