

# Product Data Sheet – DL6011SF-IN

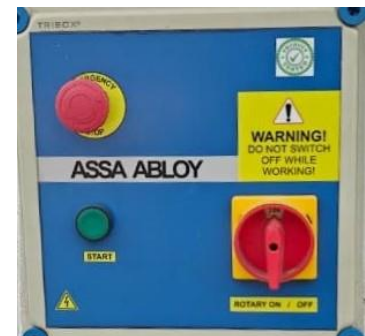
V1/DL/6011SF/2011/2526

## ASSA ABLOY 6011SF-IN

### Product Description



- **Type:** Electro-hydraulic swing lip dock leveler (Extra Heavy Duty).
- **Load Capacity: 100 kN (10,204 kg)** dynamic load capacity (per EN 1398:2009).
- **Platform Construction:**
  - **Reinforcement: 10 longitudinal structural reinforcements** for added strength and stability.
  - Material: Structural steel tear plate (Anti-slip pattern).
  - Thickness: Minimum **10/11 mm**.
  - Strength: Yield 250 Mpa, Tensile 410-600 Mpa.
- **Base Frame: H-shape design**, providing a sturdy foundation.
- **Swing Lip Construction:**
  - Material: Structural steel tear plate.
  - Thickness: Minimum **20/21 mm**.
  - Length: **400 mm**.
  - Design: Orthoscopic with tapered edges on both sides for easy loading/unloading.
  - Protection: Rubber pad (**400 x 250 x 100 mm**) mounted on the lip for soft landing.
- **Make:** Assa Abloy.



### Performance & Dimensions

- **Recommended working range as per EN 1398:**
  - Above Dock: **350 mm**.
  - Below Dock: **300 mm**.
- **Gradients:** Safe working gradient up to 12.5% (approx. 7°) per EN 1398.
- **Lip Interaction:** Minimum contact with truck surface: 100 mm; Lip angle:  $\pm 4^\circ$ .
- **Available Sizes (Supply & Installation):**
  - Widths: 2000 mm, **2200 mm**.
  - Length: 2500 mm, 3000 mm.
  - Rest Height: **600 mm**.

### Hydraulic System & Operator

- **Motor: 1.1 kW**, 380 V / 3Ph, 50 Hz.
- **Enclosure Protection: IP 55.**
- **Hydraulics:** Closed system using 6 liters of 32-grade anti-pressure oil; includes two platform cylinders (or one) and one swing lip cylinder.

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- **Control Unit:** Single push-button operation; includes rotary on/off switch and mushroom head emergency stop.

## Safety & Finish

- **Safety Features:**
  - Integrated safety burst valve (Hose Burst Protection).
  - Side foot protection guards (self-retracting telescopic design).
  - 2 nos. Lip Support.
  - Emergency stop feature.
- **Pit Sealing: Rubber seal for pit insulation and dust protection** supplied along both sides of the platform via aluminium profile.
- **Surface Finish:** Shotblasting, Primer, and 2 coats of PU paint (80-100 microns, similar to RAL 9005, Black). **500 hrs SST rating.**
- **Surface:** Anti-slip tear-drop patterns on both platform and lip.

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## Standards & Directives

- Complies with relevant machinery directives and safety standards, including:
  - Machinery Directive: 2006/42/EC
  - Low Voltage Directive: 2014/35/EU
  - EMC Directive: 2014/30/EU
  - EN ISO 12100:2010
  - EN 60204-1:2018
  - EN 61000-6-2:2005/AC:2005
  - EN 61000-6-4:2007/A1:2011
  - EN 1398:2009