JLG® BIM Content Library

User Guide – Boom Lifts

Figure 1: The JLG Boom Lift Family

LOADING THE MODELS

How to Load the Boom Lift Family

It is recommended the steps outlined below are followed to properly load the BIM component into a project.

1. Open a Revit Project File (.RVT) and navigate to the Plan View
2. Go to the 'Insert' tab on the Revit ribbon and select 'Load Family'

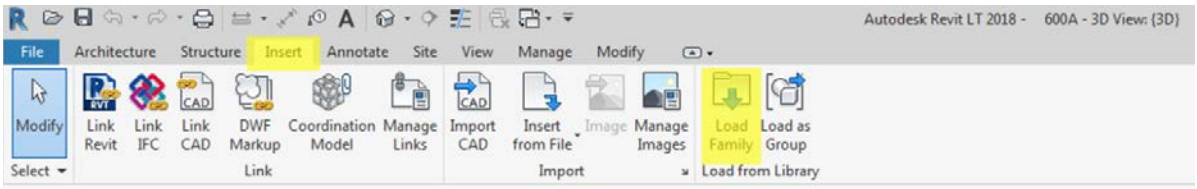

Figure 2: Loading the Family into a Project

3. Navigate to the location of the downloaded JLG® Boom Lift family component (RFA file)
4. Click 'OK' to load the component into the project

The family is now copied and embedded into the project. It can be selected from the components button located on the 'Architecture' tab on the main Revit Ribbon.

Document Number: 1001241328
Revision: A
Revision Date: April 11th 2018

ACCESSING PRODUCT INFORMATION

How to Access the Data for the Boom Lift Family

To access the data embedded into the component, simply select the desired component and click the 'Edit Type' button at the head of the 'Properties' bar. This is typically located on the left-hand side of the screen.

All the product-specific information for the component selected is now displayed. From here, the component can be selected, as well as links to JLG.com to access documentation and product specifications

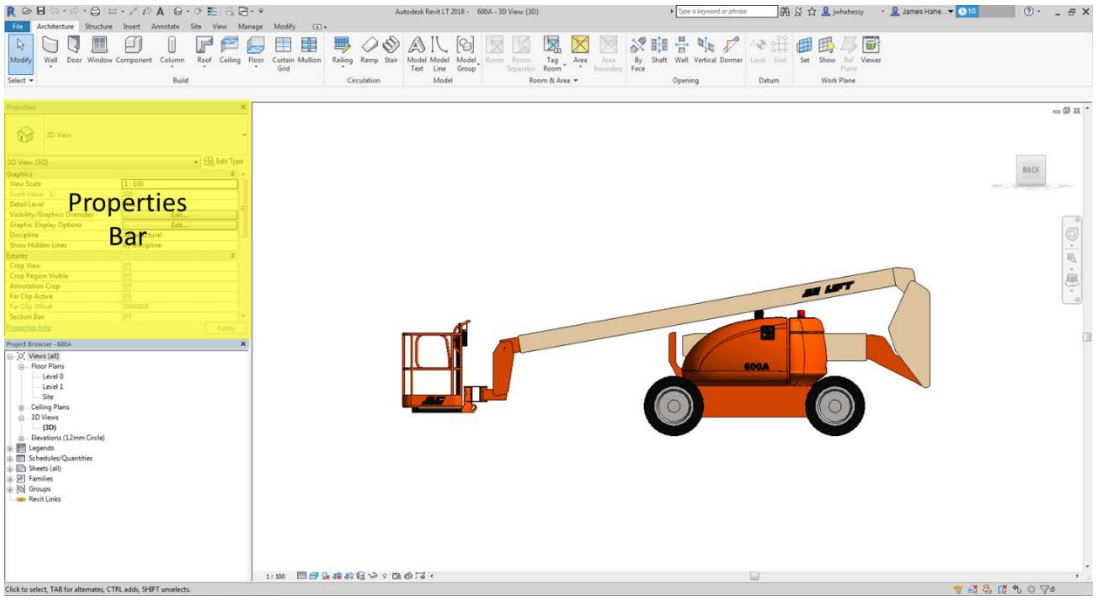

Figure 3: Accessing Additional Data

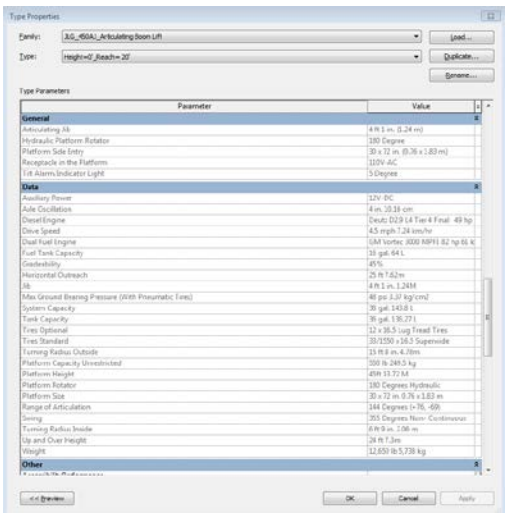

Figure 4: Additional Data for Model

Document Number: 1001241328
Revision: A
Revision Date: April 11th 2018

USING THE MODELS

How to Use the Boom Lifts Component

All JLG® components have been created as mechanical models, once loaded the model can be placed anywhere within the project. When the component is in the desired location, the user should navigate to an appropriate elevation (plan view is advised). The align tool can then be used to lock the component to a specific location.

> **NOTE:** While placing the component, it can be rotated by 90° by using the space key.

USING ADDITIONAL MODEL FEATURES

JLG® Boom Lifts components have been created parametrically. This allows the Height and Horizontal Reach of the platform; the Swing Angle, Platform Rotation and Jib Rotation to be changed. Tick-box options are also available for visibility control of the reach diagram, platform working area and turning radius.

Visibility Control

The visibility of the platform working area and turning radius can be toggled on or off. To access a component's visibility control, select the desired component and go to the 'Properties' bar. Then, simply uncheck the tick-box to control visibility.

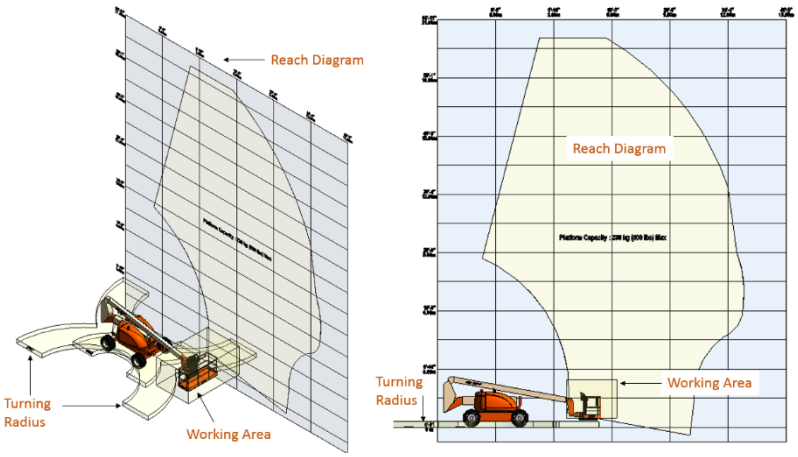

Figure 5: Illustration of Additional Visible Components

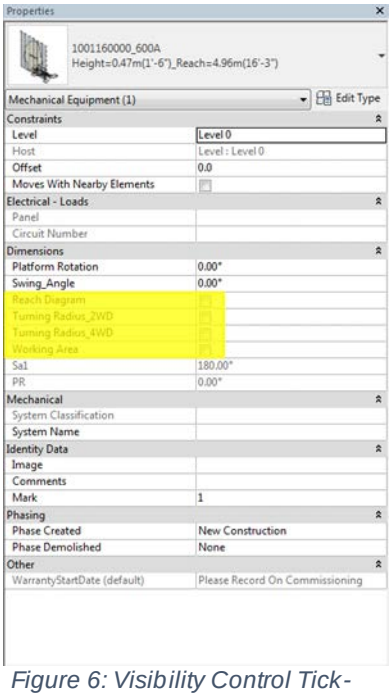

Figure 6: Visibility Control Tick-Boxes

Document Number: 1001241328
Revision: A
Revision Date: April 11th 2018

Swing Angle, Platform Rotation & Jib Rotation

The Boom Swing Angle, Platform Rotation and Jib Rotation can be modified in the properties bar. Simply click in the box and type the desired value.

> **Note:** Users can input any value into the controllable fields. However, if the capability of the JLG machine is exceeded the model will automatically update the value to reflect the maximum capacity of the machine.

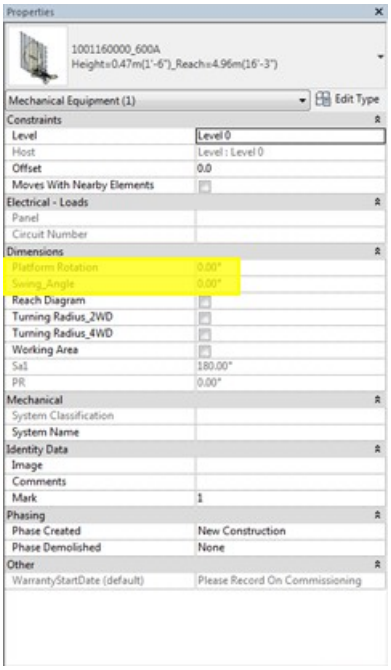

Figure 7: Rotation Configuration

Modify the Platform Height and Reach

To modify the height and reach of the platform simply select the component and choose from the pre-defined height and reach combinations in the types drop down box, this can be found at the top of the Properties bar. The platform will automatically move to the selected position.

Within the height and reach combinations, the user can select a 'Transport Condition/Stowed Position'. If selected the machine will move to its smallest and most suitable position for transportation.

Document Number: 1001241328
Revision: A
Revision Date: April 11th 2018

Note: For types with the suffix (Platform Rotation 90°) the user must input '90' into the Platform Rotation parameter in the Properties bar. This will then give the correct height and reach.

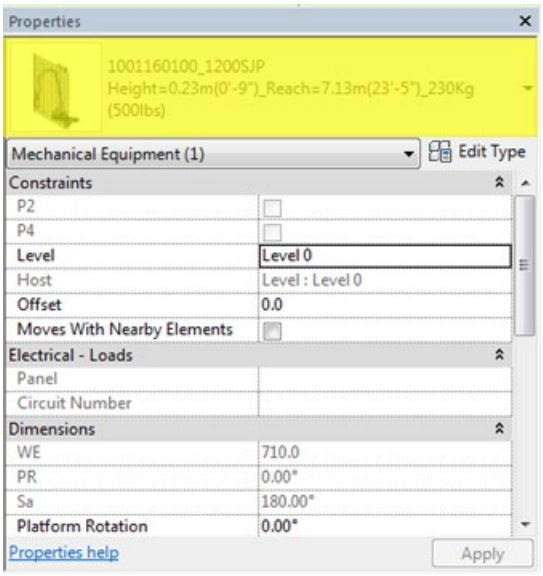

Figure 8: Height and Reach Control Menu

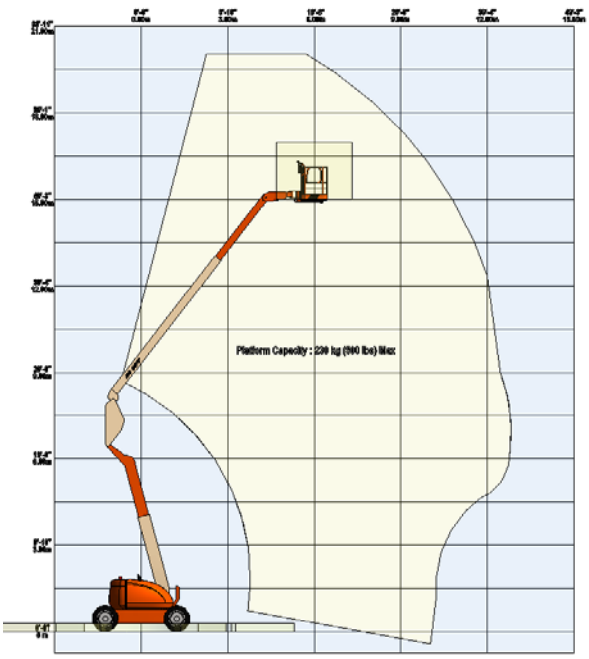

Figure 9: Each Height and Reach Option Corresponds to a Position in the Reach Diagram Grid

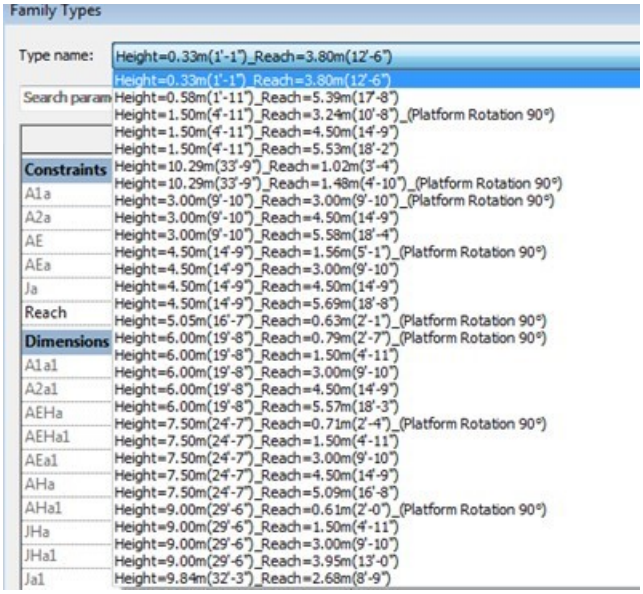

Figure 10: Examples of Height and Reach Combinations

Document Number: 1001241328
Revision: A
Revision Date: April 11th 2018