

JLG[®] BIM Content Library

User Guide - Vertical Lifts





LOADING THE MODELS

How to Load the Vertical 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'

RB	a 6	• 🛱	• 🖨	₩·,	A	8.0	1 6	. [] - ₹					Autodesk Revit LT 2018 -	600A - 3D View: {3D}
File	Archited	ture	Struct	ure Ins	ert Annotat	e Site	View	Manage	Modif	y 🖸	•			
G		8		ញ្ញ	19							[7		
Modify	Link Revit				Coordination Model	Manage Links		Insert from File			Load Family			
Select -				Link				Impo	rt	ы	Load fro	m Library		

Figure 2: Loading the Family into a Project

- 3. Navigate to the location of the downloaded JLG[®] Vertical 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.



ACCESSING PRODUCT INFORMATION

How to Access the Data for the Vertical 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.

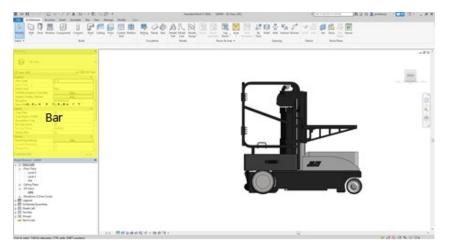


Figure 3: Accessing Additional Data

amily:	1001207489_15MVL		Load	
ype:	pe: 1001207489_15MVL.			
	1.0		Rename	
ype Param	Parameter	Value	=	
Platform	Oversized Gull Wing Front Entry	0.660 m x 0.710 m (2 f	t 2 in x 2 ft	
	Platform Retracted	1.24 m x 0.65 m (4 ft 1 in x 2 ft 2 i		
Data			*	5
Batteries		Two Sealed 100 amp I	ar 12 Volt	
Drive		4 Brush Direct Electric		
Platform	Height	4.71 m (15 ft 5.5 in)	planetary	
Working I		6.71m (22 ft 0.5 in)		
	Capacity Retracted (ANSI)	227 kg (500 lbs)		
	Capacity Retracted (CE)	n/a		
	Capacity Extended (ANSI)	113 kg (250 lbs)		
	Capacity Extended (CE)	n/a		
	Oversized Gull Wing Front Entry (W x L)	0.660 m x 0.710 m (2 f	t 2 in x 2 ft	1
Extension	Platform Retracted (W x L)	1.24 m x 0.66 m (4 ft 1	in x 2 ft 2 i	
Ground C	learance	0.047 m (0 ft 1.86 in)		
Drive Spe	ed lowered	5.5 kph (3.4 mph)		
Drive Spe	ed Elevator	5.5 kph (3.4 mph)		
Turning R	adius Retracted	1.28 m (4 ft 2.5 in)		
Turning R	adius Extended	1.76 m (5 ft 9.25 in)		
Max Grou	nd Bearing Pressure (ANSI)	n/a		
	nd Bearing Pressure_Front Casters(CE)	22.60 kg/cm2 (321.45	psi)	
Max Grou	nd Bearing Pressure_Rear Wheels(CE)	8.10 kg/cm2 (115.21 p	isi)	
Hydraulic	Tank Capacity	n/a		
Tyres-No	n Marking Front Caster Wheels	0.20 x 0.06 m (0 ft 8 in	x 0 ft 2.5 in	
Tyres-Rea	r Drive & Steer Wheels	0.32x0.10m (1 ft 7.5 in	x 0 ft 4 in)	•

Figure 4: Additional Data for Model



USING THE MODELS

How to Use the Vertical 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[®] Vertical Lift components have been created parametrically. This allows the platform height and platform extension to be changed. Tick-box options are also available for visibility control, 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.

Properties		×
1001207555_10MSP		
Mechanical Equipment (1)	- 🔒 Edit Ty	pe
Constraints	\$	
Level	Level 0	
Host	Level : Level 0	11
Offset	0.0	18
Moves With Nearby Elements	20	11
Electrical - Loads	*	
Panel		
Circuit Number		11
Dimensions	*	
Platform Height Maximum	User to define Height	11
Platform_Height	0.0	11
Material Tray Offset Maximum	Material Tray Height offset from Pl	
Material Tray Offset	0.0	11
Working Area		
Turning Radius		17
н	0.0	11
HL	0.0	11
H2	0.0	11
H3	0.0	
Hp	350.0	
MT	0.0	
TH	872.0	11
Mechanical	2	
System Classification		
System Name		
Identity Data	\$	
Image		U
Comments		
Mark	1	

Figure 5: Visibility Control for the 10MSP

1001207489_20MVL		
Mechanical Equipment (1)	• 69	Edit Typ
Constraints		
Level	Level 0	
Host	Level : Level 0	
Offset	0.0	
Moves With Nearby Elements	8 ^m]	
Electrical - Loads		\$
Panel		
Circuit Number		
Dimensions		\$
Platform Height Maximum	User to define Height	
Platform_Height	0.0	
Platform Extension Maximum	User to define Extension	
Platform Extension	0.0	
Working Area		
Turning radius_Extended		
Turning radius_Retracted		
BWA		
н	0.0	
Hū	0.0	
H2	0.0	
HB	0.0	
H4	0.0	
Нр	457.0	
PE	725.0	
PO	240.0	
PS	725.0	
PX	0.0	
Mechanical		\$
System Classification		

Figure 6: Visibility Control for the MVL Machines



Platform Height & Platform Extension/Material Tray Offset

The Platform Height and Platform Extension/Material Tray Offset can be modified by typing in the corresponding fields located in the 'Properties' bar.

The Maximum Platform Height and Platform Extension/Material Tray Offset will be displayed in the value fields above the editable fields. These figures cannot be altered and are for the user's information only, they will only appear once the user has typed their desired height/extension into the editable value fields.

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.

Properties 1001207555_10MSP		×
Mechanical Equipment (1)	🔹 🖯 Edit Typ	e
Constraints	\$	
Level	Level 0	
Host	Level : Level 0	
Offset	0.0	
Moves With Nearby Elements	21	
Electrical - Loads	\$	
Panel		
Circuit Number		
Dimensions	\$	
Platform Height Maximum	User to define Height	
Platform_Height	0.0	
Material Tray Offset Maximum	Material Tray Height offset from PL.	
Material Tray Offset		
Working Area	17	-
Turning Radius	8	1
н	0.0	
HL	0.0	
H2	0.0	
H3	0.0	
Hp	350.0	
MT	0.0	
TH	872.0	
Mechanical	2	
System Classification		
System Name		
Identity Data	*	
Image		
Comments		
Mark	1	

- 🗄 Edit Type Mechanical Equipment (1) Constraints Level Level 0 el:Level(Offset 0.0 Moves With Nearby Elements Electrical - Loads Circuit Numbe Dimen Platform Height Maximum User to define Height Platform Extension Maximum User to define Extension Working Area Turning radius_Extended Turning radius_Retracted 0.0 H 0.0 H4 457.0 Hp PE 240.0 Mechanical stem Classification System Nam

1001207489_20MVI

Figure 7: Location of Platform Height and Tray Offset for Figure 8: Location of Platform Height and Extension for 10MSP

MVL Machines