



Service & Maintenance Manual Supplement

Telehandler Supplement for Authorized & Trained Set Lighting Technicians & Studio Grips

31221171

May 1, 2025 - Rev E

FOREWORD

The telehandler models covered in this manual are designed and tested to meet or exceed various compliance standards. Please refer to the manufacturer's nameplate affixed to the subject telehandler for specific standard compliance information.

This manual is a very important tool! Keep it with the machine at all times.

The purpose of this manual is to provide owners, users, operators, lessors, and lessees with the precautions and operating procedures essential for the safe and proper machine operation for its intended purpose.

Due to continuous product improvements, JLG Industries, Inc. reserves the right to make specification changes without prior notification. Contact JLG Industries, Inc. for updated information.

Refer to www.JLG.com for Warranty, Product Registration, and other machine-related documentation.

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SAFETY ALERT SYMBOLS & SAFETY SIGNAL WORDS



This is the Safety Alert Symbol. It is used to alert you to the potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

Indicates an imminently hazardous situation. If not avoided, will result in serious injury or death. This decal will have a red background.

WARNING

Indicates a potentially hazardous situation. If not avoided, could result in serious injury or death. This decal will have an orange background.

CAUTION

Indicates a potentially hazardous situation. If not avoided, may result in minor or moderate injury. It may also alert against unsafe practices. This decal will have a yellow background.

NOTICE

Indicates information or a company policy that relates directly or indirectly to the safety of personnel or protection of property.

For:

- Accident Reporting
- Product Safety Publications
- Current Owner Updates
- Questions Regarding Product Safety
- Standards and Regulations Compliance Information
- Questions Regarding Special Product Applications
- Questions Regarding Product Modifications

Contact:

Product Safety and Reliability Department

JLG Industries, Inc.

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Hagerstown, MD 21742

USA

or Visit www.jlg.com to find your local JLG office.

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REVISION LOG

Date	Revision	Description
May 12, 2023	A	Original Issue
August 14, 2023	B	Revision
August 25, 2023	C	Revision
December 20, 2023	D	Revision
May 1, 2025	E	Revision

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SECTION 1

SAFETY INFORMATION FOR FRAMED SCREENS AND ASSOCIATED INDUSTRY HARDWARE

This Manual was prepared for Set Lighting Technicians and Studio Grips to provide guidelines for the use of Framed Screens and other associated industry hardware on JLG and SkyTrak telehandlers. This manual contains requirements that must be followed by trained Set Lighting Technicians and Studio Grips in order to perform these functions.

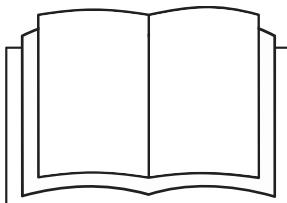
NOTICE

Strict compliance with this supplemental manual as well as the operation and safety manual for the specific model, along with any training required by the union/studio is necessary for the safe operation of this machine.

NOTICE

Modification of this machine through the attachment of framed screens and associated industry hardware is authorized only if the rules and requirements listed below are strictly adhered to.

IMPORTANT Read, understand, and study the Operation and Safety Manual in its entirety before operating the machine. For clarification, questions, or additional information regarding any portions of this manual, contact JLG Industries, Inc.



1.1 Safety Information

WARNING

This product must comply with all safety related bulletins. Contact JLG Industries, Inc. or the local authorized JLG representative for information regarding safety related bulletins which may have been issued for this product.

NOTICE

JLG Industries, Inc. sends safety related bulletins to the owner of record of this machine. Contact JLG Industries, Inc. to ensure that the current owner records are updated and accurate.

NOTICE

JLG Industries, Inc. must be notified immediately in all instances where JLG products have been involved in an accident involving bodily injury or death or when substantial damage has occurred to personal property or the JLG product.

- Only personnel who have read and understand the machine's Operation & Safety manual and have received proper training regarding the inspection, application, and operation of telehandlers (including recognition and avoiding hazards associated with their operation) shall be authorized to operate a telehandler.
- All Load Charts supplied with the machine must remain visible as stated in the machine's Operation & Safety manual.
- All Load Charts presented in this Supplement Manual are for the purpose of determining loads for framed screens and other associated industry hardware and are to be used in addition to the machine's Load Charts.
- Ensure that the ground conditions are adequate to support the maximum tire load. Do not travel on unsupported surfaces.
- Do not operate on uneven surface. Ensure machine is positioned on a firm surface before elevating the framed screens or other industry hardware within the limits of operating specifications.
- All references to JLG forks and carriages in this Supplement manual refer to authorized JLG attachments only. Refer to the machine's Operation & Safety manual for list of approved JLG attachments. Non-OEM attachments are not approved for use with this supplement manual.
- When attaching framed screens and other associated industry hardware, do not modify any attachments by drilling, welding, crushing, damaging, or making any other modifications.
- The combined weight of the framed screen or other industry hardware must in all cases remain less than the maximum rated carriage capacity. Use the Load Chart to determine the allowable load.
- The number and size of attachments must be limited by consideration of the maximum allowable wind speed and surface area of the carriage attachments. Any size and dimension of framed screen within the maximum dimensions of the table can be used.
- Attachment of framed screens or other associated industry hardware to the carriage shall be accomplished in a manner that does not cause a tip-over hazard due to an external force that could result in the machine becoming unstable.
- Any fork mounted attachments must meet all safety requirements are described in the machine's Operation & Safety manual.
- Operators must be familiar with these supplemental instructions and warnings before they are allowed to operate the telehandler.
- Responsibility for framed screens or other associated industry hardware attachment to the telehandler is up to the lighting technicians and studio grips' discretion.

SECTION 2 VERTICAL SCREENS

2.1 VERTICAL SCREENS INFORMATION AND MOUNTING

Vertical screens are industry equipment described as flat with a large, forward-facing surface area. The screens must be centered left to right on the machine and generally considered to be oriented vertically with respect to gravity. Although this section is primarily intended for vertical screens, other types of structures (light diffusers, lighting racks, etc) can also be used if they meet the specified criteria.

2.1.1 Approved Attachments for Vertical Screens

Carriages

The following JLG carriages are permitted:

- Standard carriage (up to 96")
- Side tilt
- Side shift
- Fork positioner
- Swing¹

Forks

The following JLG forks are permitted, but not required depending on attachment method.

- 48" fork length
- 60" fork length
- 72" fork length

Actuator Device

A third party device may be used to manipulate the screen but is not required depending on the attachment method.

Maximum allowable mass is 1100 lb.

If fork mounted, it may be placed above or below the forks.

Vertical Screens

Maximum allowable screen mass is determined by the appropriate load chart and table.

Screen fabric, if used, must not wrap around side surfaces more than 12 inches.

Any screen length and width combination is allowed, provided it does not exceed the maximum allowable surface area.

1. Framed screen must be fastened directly to swing carriage. Forks or fork-mounted actuator are not permitted.

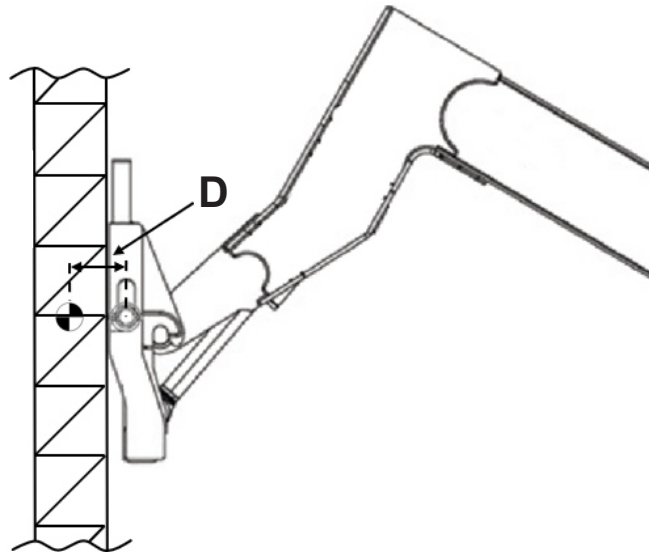
Vertical Screens

2.1.2 Vertical Screen Mounting

The vertical screen must be centered horizontally and vertically with respect to its mounting. It may be secured to the telehandler in multiple ways.

Direct Mount

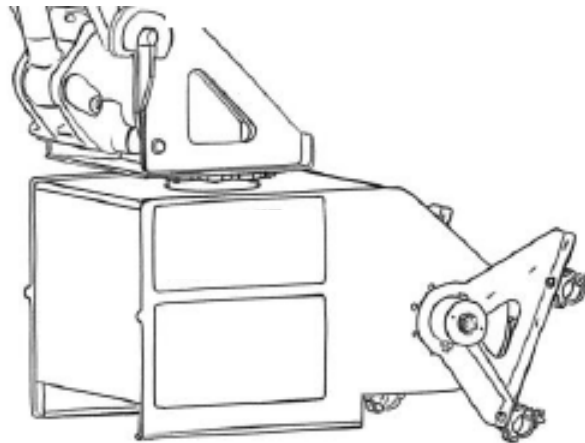
Directly fastened to the carriage via brackets, straps, or hardware.



SP00010B

Figure 1. Direct Mount

Coupler Mounted Actuator



SP00011B

Figure 2. Coupler Mounted Actuator

Fork Mounted Actuator

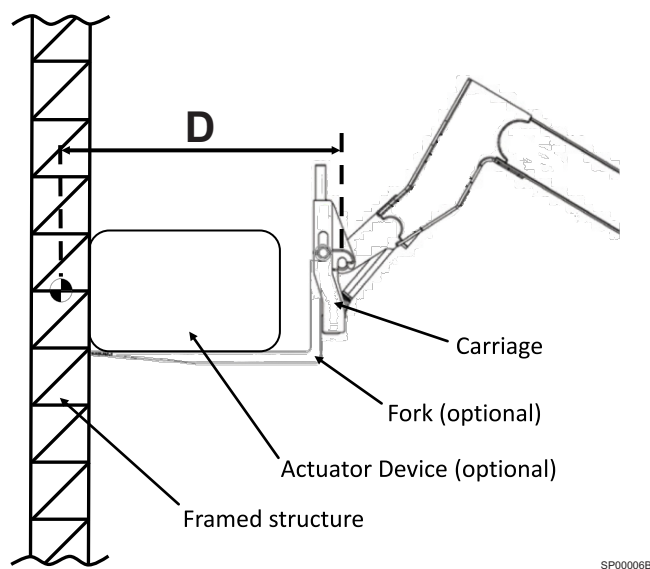


Figure 3. Fork Mounted Actuator

Center of Gravity

The forward Center of Gravity (CG) of the screen must be less than or equal to **D** (Refer to Figure 3).

For all carriages and attachment methods: **D** = 70 inches.

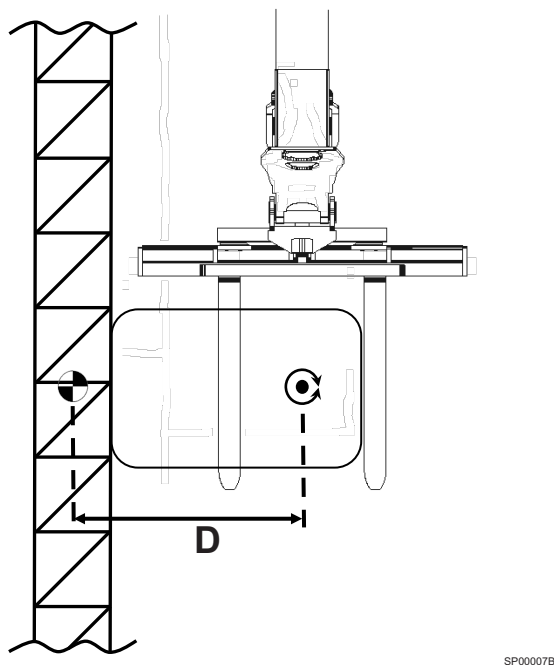


Figure 4. Rotated CG

When panned right or left, the CG of the screen must be less than or equal to **D** (Refer to Figure 4).

If using a JLG swing carriage: **D** = 52 inches.

For all other carriages: **D** = 70 inches.

Vertical Screens

2.1.3 Vertical Screen Permitted Movement

Tilting

Upward or downward tilt motion is unrestricted.

Rotating

Clockwise or counterclockwise rotation is unrestricted.

Panning

Panning right or left is allowed up to 90° from the center line of the telehandler. Refer to the appropriate load chart and table for restrictions.

2.1.4 Wind

Vertical screens may be used in certain windy conditions. Refer to the appropriate load chart and reference table for allowable operation.

2.2 JLG 1043 VERTICAL SCREEN

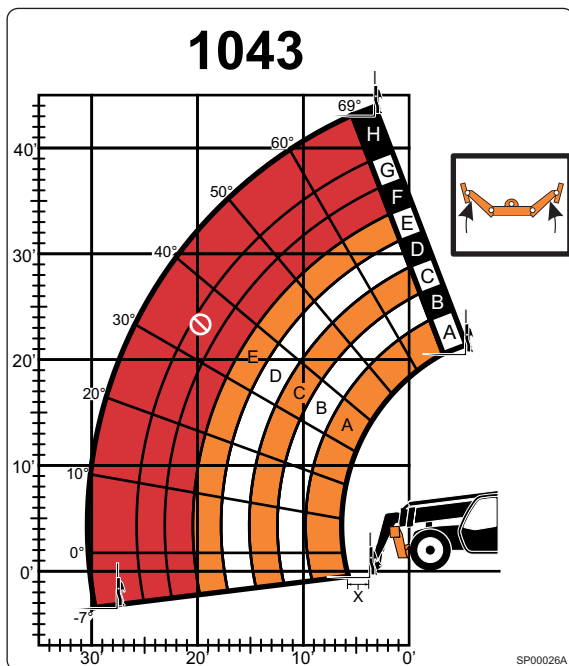


Figure 5. JLG 1043 Load Chart – Outriggers Up

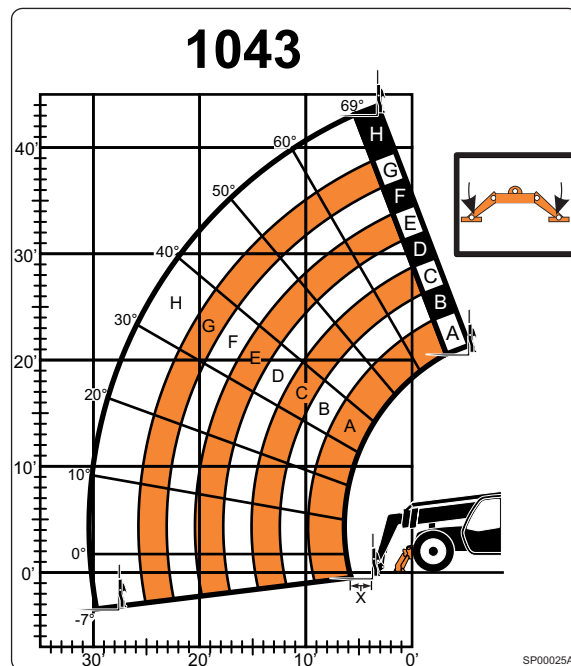


Figure 6. JLG 1043 Load Chart – Outriggers Down

2.2.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the vertical screen. This **does not** include carriage, forks, and actuator. (**Vertical Screen**)
2. Choose the maximum wind speed of the operating environment. (**Wind Speed**)
3. Choose how far the attachment will pan away from the machine center line, in either direction. (**Panning Angle**)
4. The maximum allowable operating zone. (**Maximum Operating Zone**)
5. The maximum allowable boom angle². (**Boom Angle**)

2. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Vertical Screens

Table 1. 1043 Load Chart Reference Table

Vertical Screen (1)	Wind Speed (2)	Panning Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	N/A	N/A	N/A	N/A
		15.1° – 45°	N/A	N/A	N/A	N/A
		45.1° – 90°	N/A	N/A	N/A	N/A
	12.1 mph – 20 mph	0° – 15°	A	45°	F	66°
		15.1° – 45°	A	15°	F	39°
		45.1° – 90°	A	N/A	F	20°
	0 mph – 12 mph	0° – 15°	A	48°	G	69°
		15.1° – 45°	A	28°	G	50°
		45.1° – 90°	A	15°	G	36°
501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	A	42°	G	62°
		15.1° – 45°	A	10°	G	30°
		45.1° – 90°	A	N/A	G	14°
	12.1 mph – 20 mph	0° – 15°	B	49°	H	67°
		15.1° – 45°	B	21°	H	45°
		45.1° – 90°	B	8°	H	31°
	0 mph – 12 mph	0° – 15°	B	51°	H	69°
		15.1° – 45°	B	34°	H	58°
		45.1° – 90°	B	24°	H	50°
151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	C	48°	H	66°
		15.1° – 45°	C	22°	H	44°
		45.1° – 90°	C	11°	H	30°
	12.1 mph – 20 mph	0° – 15°	D	51°	H	67°
		15.1° – 45°	D	33°	H	55°
		45.1° – 90°	D	23°	H	45°
	0 mph – 12 mph	0° – 15°	D	53°	H	69°
		15.1° – 45°	D	43°	H	64°
		45.1° – 90°	D	35°	H	59°
0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	E	52°	H	69°
		15.1° – 45°	E	41°	H	60°
		45.1° – 90°	E	33°	H	50°
	12.1 mph – 20 mph	0° – 15°	E	54°	H	69°
		15.1° – 45°	E	45°	H	65°
		45.1° – 90°	E	41°	H	60°
	0 mph – 12 mph	0° – 15°	E	56°	H	69°
		15.1° – 45°	E	50°	H	67°
		45.1° – 90°	E	46°	H	65°

2.3 JLG 1055 VERTICAL SCREEN

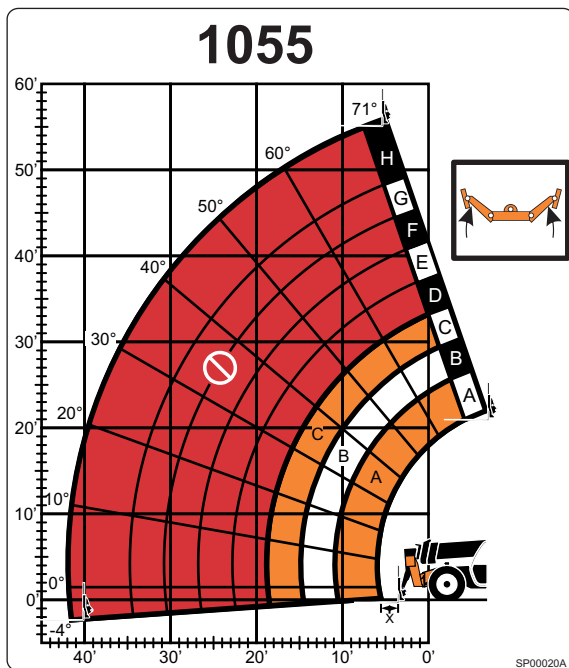


Figure 7. JLG 1055 Load Chart – Outriggers Up

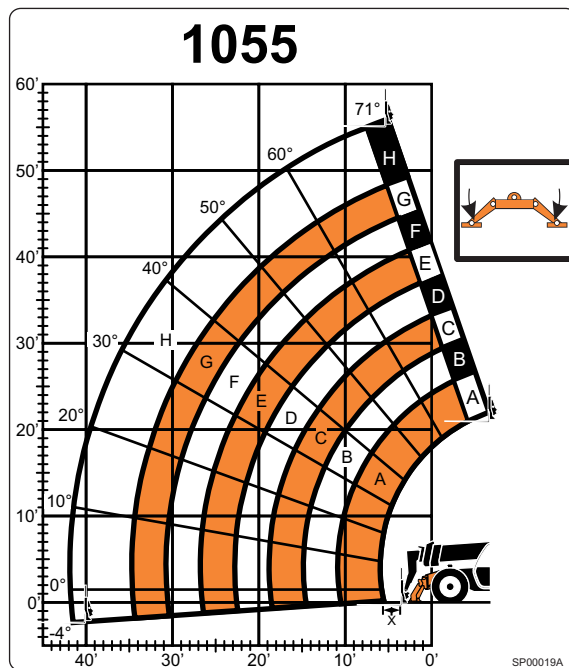


Figure 8. JLG 1055 Load Chart – Outriggers Down

2.3.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the vertical screen. This **does not** include carriage, forks, and actuator. (**Vertical Screen**)
2. Choose the maximum wind speed of the operating environment. (**Wind Speed**)
3. Choose how far the attachment will pan away from the machine center line, in either direction. (**Panning Angle**)
4. The maximum allowable operating zone. (**Maximum Operating Zone**)
5. The maximum allowable boom angle³. (**Boom Angle**)

3. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Vertical Screens

Table 2. 1055 Load Chart Reference Table

Vertical Screen (1)	Wind Speed (2)	Panning Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	A	26°	D	35°
		15.1° – 45°	A	20°	D	28°
		45.1° – 90°	A	3°	D	7°
	12.1 mph – 20 mph	0° – 15°	A	35°	E	45°
		15.1° – 45°	A	29°	E	39°
		45.1° – 90°	A	12°	E	18°
	0 mph – 12 mph	0° – 15°	A	44°	F	56°
		15.1° – 45°	A	38°	F	50°
		45.1° – 90°	A	24°	F	33°
501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	A	32°	F	41°
		15.1° – 45°	A	27°	F	34°
		45.1° – 90°	A	10°	F	14°
	12.1 mph – 20 mph	0° – 15°	B	41°	F	49°
		15.1° – 45°	B	35°	F	43°
		45.1° – 90°	B	20°	F	24°
	0 mph – 12 mph	0° – 15°	B	47°	F	58°
		15.1° – 45°	B	41°	F	52°
		45.1° – 90°	B	32°	F	38°
151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	C	40°	G	48°
		15.1° – 45°	C	37°	G	42°
		45.1° – 90°	C	23°	G	30°
	12.1 mph – 20 mph	0° – 15°	C	46°	H	56°
		15.1° – 45°	C	42°	H	49°
		45.1° – 90°	C	34°	H	40°
	0 mph – 12 mph	0° – 15°	C	51°	H	60°
		15.1° – 45°	C	48°	H	54°
		45.1° – 90°	C	42°	H	49°
0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	C	49°	H	57°
		15.1° – 45°	C	47°	H	52°
		45.1° – 90°	C	41°	H	45°
	12.1 mph – 20 mph	0° – 15°	C	52°	H	61°
		15.1° – 45°	C	50°	H	56°
		45.1° – 90°	C	46°	H	53°
	0 mph – 12 mph	0° – 15°	C	55°	H	64°
		15.1° – 45°	C	52°	H	60°
		45.1° – 90°	C	48°	H	55°

2.4 JLG 1255 VERTICAL SCREEN

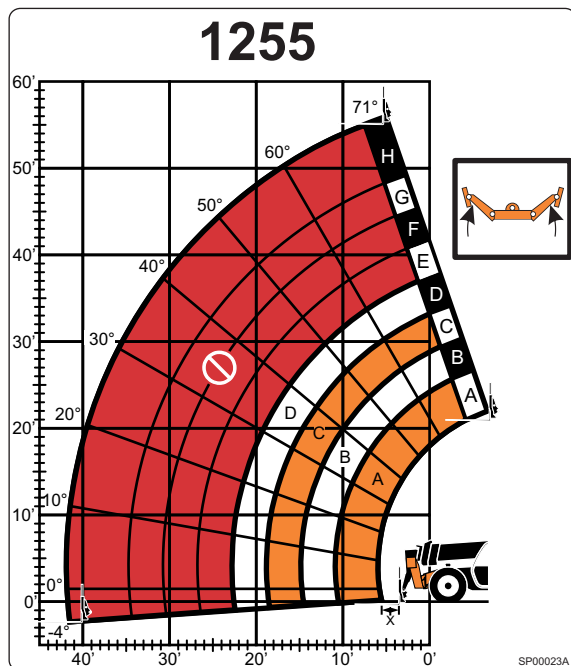


Figure 9. JLG 1255 Load Chart – Outriggers Up

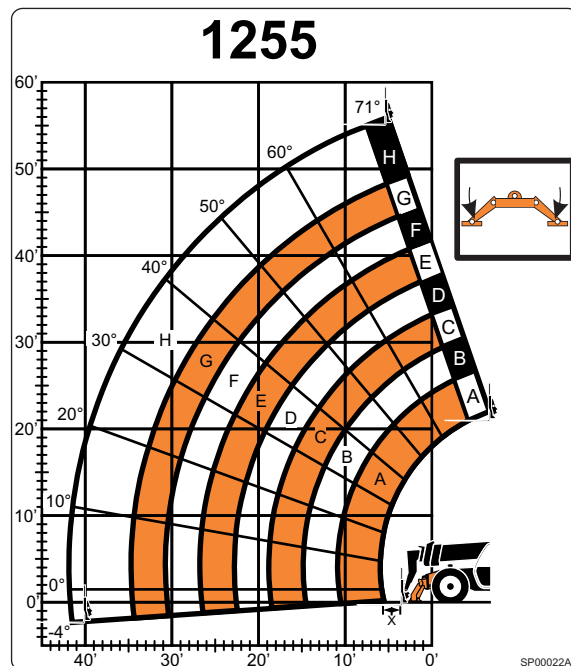


Figure 10. JLG 1255 Load Chart – Outriggers Down

2.4.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the vertical screen. This **does not** include carriage, forks, and actuator. (**Vertical Screen**)
2. Choose the maximum wind speed of the operating environment. (**Wind Speed**)
3. Choose how far the attachment will pan away from the machine center line, in either direction. (**Panning Angle**)
4. The maximum allowable operating zone. (**Maximum Operating Zone**)
5. The maximum allowable boom angle⁴. (**Boom Angle**)

4. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Vertical Screens

Table 3. 1255 Load Chart Reference Table

Vertical Screen (1)	Wind Speed (2)	Panning Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	A	28°	E	37°
		15.1° – 45°	A	23°	E	28°
		45.1° – 90°	A	6°	E	10°
	12.1 mph – 20 mph	0° – 15°	B	38°	F	48°
		15.1° – 45°	B	32°	F	41°
		45.1° – 90°	B	15°	F	20°
	0 mph – 12 mph	0° – 15°	B	46°	G	58°
		15.1° – 45°	B	40°	G	50°
		45.1° – 90°	B	26°	G	35°
501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	B	35°	G	43°
		15.1° – 45°	B	30°	G	35°
		45.1° – 90°	B	12°	G	15°
	12.1 mph – 20 mph	0° – 15°	C	43°	G	50°
		15.1° – 45°	C	37°	G	43°
		45.1° – 90°	C	22°	G	25°
	0 mph – 12 mph	0° – 15°	C	48°	H	60°
		15.1° – 45°	C	42°	H	52°
		45.1° – 90°	C	33°	H	40°
151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	C	42°	H	50°
		15.1° – 45°	C	38°	H	43°
		45.1° – 90°	C	24°	H	32°
	12.1 mph – 20 mph	0° – 15°	D	48°	H	58°
		15.1° – 45°	D	43°	H	50°
		45.1° – 90°	D	34°	H	41°
	0 mph – 12 mph	0° – 15°	D	52°	H	62°
		15.1° – 45°	D	48°	H	55°
		45.1° – 90°	D	43°	H	50°
0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	D	50°	H	59°
		15.1° – 45°	D	48°	H	52°
		45.1° – 90°	D	42°	H	45°
	12.1 mph – 20 mph	0° – 15°	D	53°	H	63°
		15.1° – 45°	D	50°	H	56°
		45.1° – 90°	D	46°	H	53°
	0 mph – 12 mph	0° – 15°	D	55°	H	66°
		15.1° – 45°	D	52°	H	60°
		45.1° – 90°	D	49°	H	55°

2.5 SKYTRAK 10042 VERTICAL SCREENS

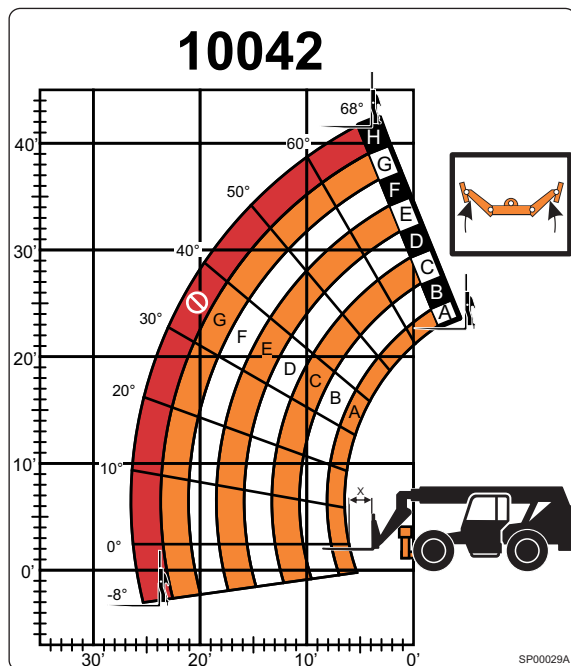


Figure 11. Skytrak 10042 Load Chart – Outriggers Up

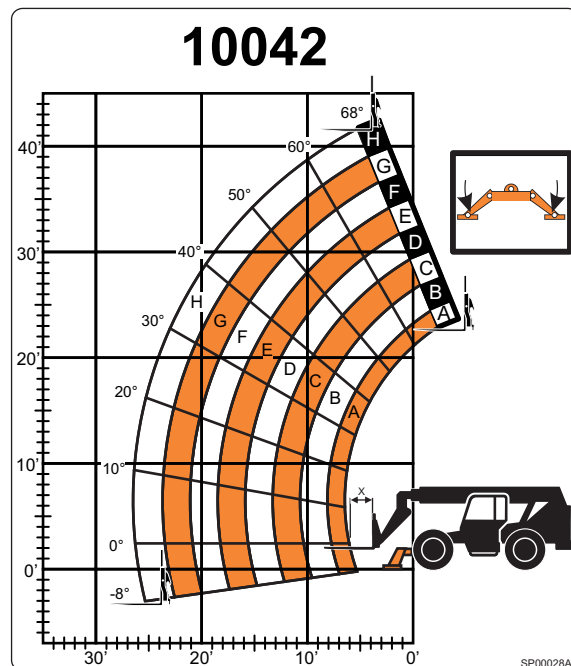


Figure 12. Skytrak 10042 Load Chart – Outriggers Down

2.5.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the vertical screen. This **does not** include carriage, forks, and actuator. (**Vertical Screen**)
2. Choose the maximum wind speed of the operating environment. (**Wind Speed**)
3. Choose how far the attachment will pan away from the machine center line, in either direction. (**Panning Angle**)
4. The maximum allowable operating zone. (**Maximum Operating Zone**)
5. The maximum allowable boom angle⁵. (**Boom Angle**)

5. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Vertical Screens

Table 4. Skytrak 10042 Load Chart Reference Table

Vertical Screen (1)	Wind Speed (2)	Panning Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	N/A	N/A	N/A	N/A
		15.1° – 45°	N/A	N/A	N/A	N/A
		45.1° – 90°	N/A	N/A	N/A	N/A
	12.1 mph – 20 mph	0° – 15°	A	35°	H	48°
		15.1° – 45°	A	10°	H	18°
		45.1° – 90°	A	N/A	H	N/A
	0 mph – 12 mph	0° – 15°	B	37°	H	53°
		15.1° – 45°	B	23°	H	35°
		45.1° – 90°	B	9°	H	15°
501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	B	30°	H	42°
		15.1° – 45°	B	N/A	H	12°
		45.1° – 90°	B	N/A	H	N/A
	12.1 mph – 20 mph	0° – 15°	C	36°	H	49°
		15.1° – 45°	C	17°	H	24°
		45.1° – 90°	C	N/A	H	N/A
	0 mph – 12 mph	0° – 15°	D	38°	H	49°
		15.1° – 45°	D	24°	H	39°
		45.1° – 90°	D	10°	H	22°
151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	E	31°	H	46°
		15.1° – 45°	E	10°	H	20°
		45.1° – 90°	E	N/A	H	6°
	12.1 mph – 20 mph	0° – 15°	E	36°	H	50°
		15.1° – 45°	E	20°	H	34°
		45.1° – 90°	E	8°	H	30°
	0 mph – 12 mph	0° – 15°	E	38°	H	51°
		15.1° – 45°	E	27°	H	43°
		45.1° – 90°	E	18°	H	33°
0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	G	32°	H	50°
		15.1° – 45°	G	23°	H	38°
		45.1° – 90°	G	14°	H	27°
	12.1 mph – 20 mph	0° – 15°	G	37°	H	52°
		15.1° – 45°	G	32°	H	42°
		45.1° – 90°	G	23°	H	36°
	0 mph – 12 mph	0° – 15°	G	39°	H	53°
		15.1° – 45°	G	33°	H	46°
		45.1° – 90°	G	27°	H	42°

2.6 SKYTRAK 10054 VERTICAL SCREENS

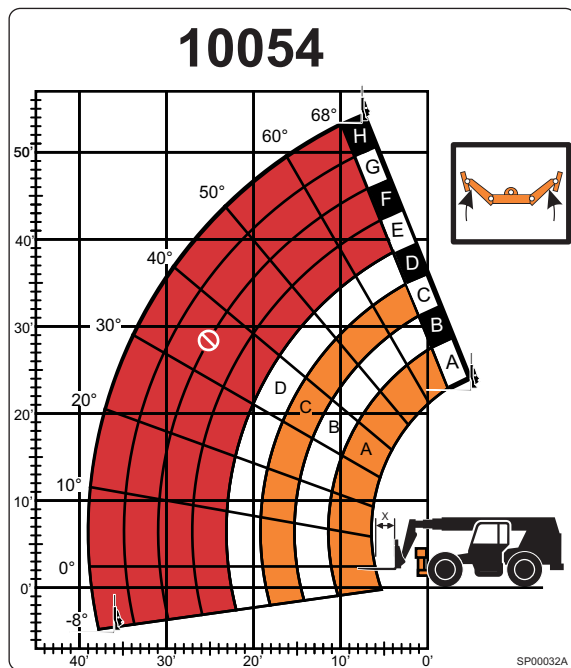


Figure 13. Skytrak 10054 Load Chart – Outriggers Up

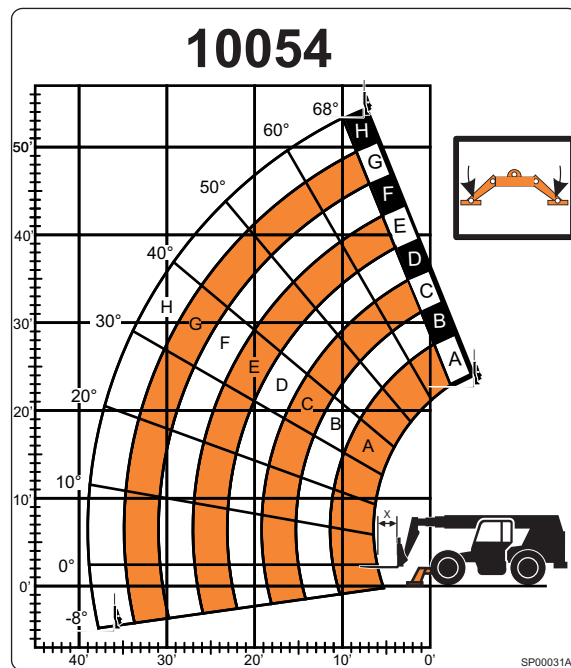


Figure 14. Skytrak 10054 Load Chart – Outriggers Down

2.6.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the vertical screen. This **does not** include carriage, forks, and actuator. (**Vertical Screen**)
2. Choose the maximum wind speed of the operating environment. (**Wind Speed**)
3. Choose how far the attachment will pan away from the machine center line, in either direction. (**Panning Angle**)
4. The maximum allowable operating zone. (**Maximum Operating Zone**)
5. The maximum allowable boom angle⁶. (**Boom Angle**)

6. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Vertical Screens

Table 5. Skytrak 10054 Load Chart Reference Table

Vertical Screen (1)	Wind Speed (2)	Panning Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	N/A	N/A	N/A	N/A
		15.1° – 45°	N/A	N/A	N/A	N/A
		45.1° – 90°	N/A	N/A	N/A	N/A
	12.1 mph – 20 mph	0° – 15°	A	34°	E	49°
		15.1° – 45°	A	10°	E	22°
		45.1° – 90°	A	N/A	E	7°
	0 mph – 12 mph	0° – 15°	A	39°	F	55°
		15.1° – 45°	A	20°	F	38°
		45.1° – 90°	A	7°	F	18°
501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	A	28°	F	44°
		15.1° – 45°	A	N/A	F	14°
		45.1° – 90°	A	N/A	F	N/A
	12.1 mph – 20 mph	0° – 15°	B	35°	F	50°
		15.1° – 45°	B	16°	F	25°
		45.1° – 90°	B	N/A	F	8°
	0 mph – 12 mph	0° – 15°	B	40°	G	55°
		15.1° – 45°	B	25°	G	40°
		45.1° – 90°	B	13°	G	26°
151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	C	32°	G	47°
		15.1° – 45°	C	14°	G	25°
		45.1° – 90°	C	5°	G	12°
	12.1 mph – 20 mph	0° – 15°	C	36°	H	51°
		15.1° – 45°	C	23°	H	36°
		45.1° – 90°	C	10°	H	23°
	0 mph – 12 mph	0° – 15°	C	37°	H	54°
		15.1° – 45°	C	30°	H	44°
		45.1° – 90°	C	21°	H	36°
0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	D	34°	H	49°
		15.1° – 45°	D	24°	H	39°
		45.1° – 90°	D	18°	H	30°
	12.1 mph – 20 mph	0° – 15°	D	38°	H	52°
		15.1° – 45°	D	31°	H	45°
		45.1° – 90°	D	25°	H	40°
	0 mph – 12 mph	0° – 15°	D	40°	H	53°
		15.1° – 45°	D	34°	H	48°
		45.1° – 90°	D	30°	H	45°

2.7 SKYTRAK 12054 VERTICAL SCREENS

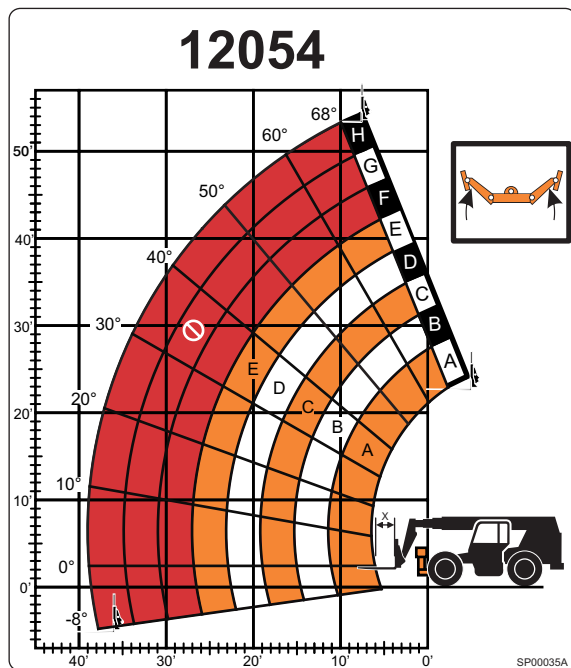


Figure 15. Skytrak 12054 Load Chart – Outriggers Up

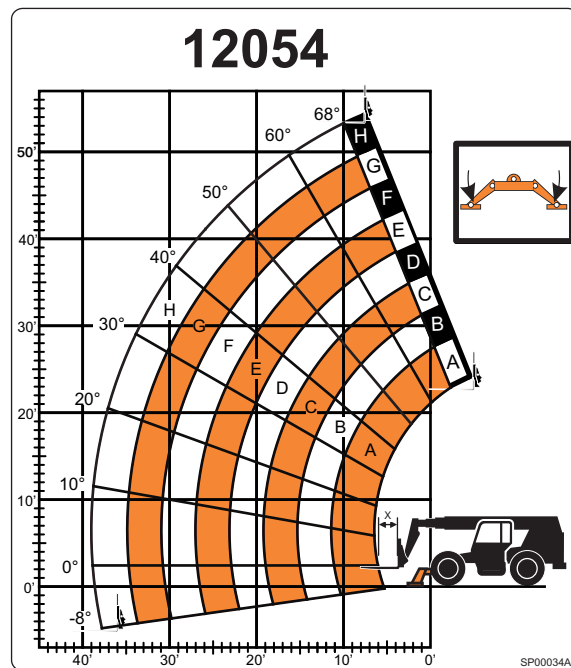


Figure 16. Skytrak 12054 Load Chart – Outriggers Down

2.7.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the vertical screen. This **does not** include carriage, forks, and actuator. (**Vertical Screen**)
2. Choose the maximum wind speed of the operating environment. (**Wind Speed**)
3. Choose how far the attachment will pan away from the machine center line, in either direction. (**Panning Angle**)
4. The maximum allowable operating zone. (**Maximum Operating Zone**)
5. The maximum allowable boom angle⁷. (**Boom Angle**)

7. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Vertical Screens

Table 6. 12054 Load Chart Reference Table

Vertical Screen (1)	Wind Speed (2)	Panning Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	A	3°	E	40°
		15.1° – 45°	A	N/A	E	10°
		45.1° – 90°	A	N/A	E	N/A
	12.1 mph – 20 mph	0° – 15°	B	14°	F	45°
		15.1° – 45°	B	4°	F	20°
		45.1° – 90°	B	N/A	F	N/A
	0 mph – 12 mph	0° – 15°	B	30°	G	52°
		15.1° – 45°	B	20°	G	35°
		45.1° – 90°	B	10°	G	20°
501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	B	9°	G	45°
		15.1° – 45°	B	N/A	G	15°
		45.1° – 90°	B	N/A	G	N/A
	12.1 mph – 20 mph	0° – 15°	C	19°	G	50°
		15.1° – 45°	C	9°	G	26°
		45.1° – 90°	C	5°	G	10°
	0 mph – 12 mph	0° – 15°	C	33°	H	54°
		15.1° – 45°	C	24°	H	38°
		45.1° – 90°	C	19°	H	24°
151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	D	15°	H	47°
		15.1° – 45°	D	7°	H	25°
		45.1° – 90°	D	N/A	H	10°
	12.1 mph – 20 mph	0° – 15°	D	26°	H	51°
		15.1° – 45°	D	19°	H	35°
		45.1° – 90°	D	16°	H	24°
	0 mph – 12 mph	0° – 15°	D	37°	H	54°
		15.1° – 45°	D	30°	H	44°
		45.1° – 90°	D	24°	H	35°
0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	E	30°	H	50°
		15.1° – 45°	E	25°	H	40°
		45.1° – 90°	E	23°	H	33°
	12.1 mph – 20 mph	0° – 15°	E	38°	H	52°
		15.1° – 45°	E	32°	H	46°
		45.1° – 90°	E	30°	H	39°
	0 mph – 12 mph	0° – 15°	E	40°	H	54°
		15.1° – 45°	E	37°	H	48°
		45.1° – 90°	E	35°	H	41°

SECTION 3

LIGHT DIFFUSER SCREENS/ FLYSWATTER

3.1 LIGHT DIFFUSER SCREENS/ FLYSWATTER INFORMATION AND MOUNTING

Light diffuser screens or flyswatters are rectangular industry equipment which have a tall, vertical support mast and a forward-reaching cantilever structure to support the screen. These are typically connected by diagonal support braces. It must be centered on the machine and generally considered to be oriented horizontally with respect to gravity.

3.1.1 Approved Attachments for Flyswatters

Carriages

The following JLG carriages are permitted:

- Standard carriage (up to 96")
- Side tilt
- Side shift
- Hydraulic fork positioner

Forks

The following JLG forks are permitted, but not required depending on attachment method.

- 48" fork length
- 60" fork length
- 72" fork length

Actuator Device

Any third party actuator device is not permitted with the flyswatter equipment.

Flyswatters

Maximum allowable mass is determined by the appropriate load chart and table.

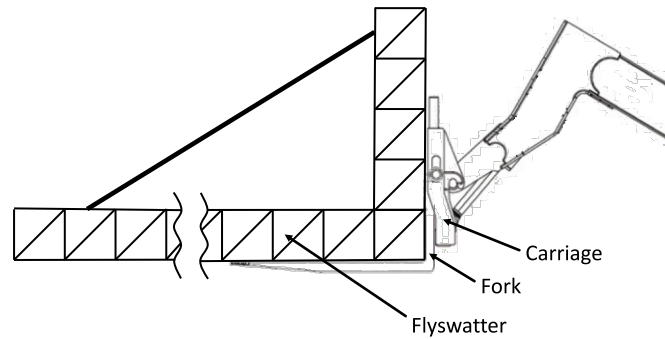
Screen fabric, if used, must not wrap around side surfaces more than 12 inches.

Any screen length and width combination is allowed, provided it does not exceed the maximum allowable surface area or maximum length.

3.1.2 Flyswatter Mounting

The flyswatter may mount to the carriage in multiple ways.

Fork Mount



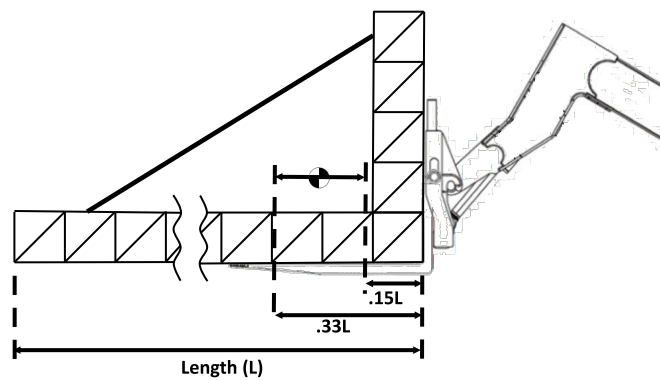
SP00008A

Figure 17. Fork Mount of Flyswatter Hardware

Supported by forks with or without fork pockets.

Center of Gravity

The Center of Gravity (CG) of the fly swatter must be within 15% and 33% of the total length, measured from the rear.



SP00009A

Figure 18. Center of Gravity of Flyswatter Hardware

3.1.3 Flyswatter Permitted Movement

Tilting

Upward or downward tilt is allowed up to +/- 45 degrees measured from horizontal.

Note: At low boom angles this full range of motion may not be possible due to physical interferences.

Rotating

Clockwise or counterclockwise rotation is not permitted.

Panning

Panning is not permitted.

3.1.4 Wind

Flyswatters may be used in certain windy conditions. Refer to the appropriate load chart and reference table for allowable operation.

3.2 JLG 1043 FLYSWATTER

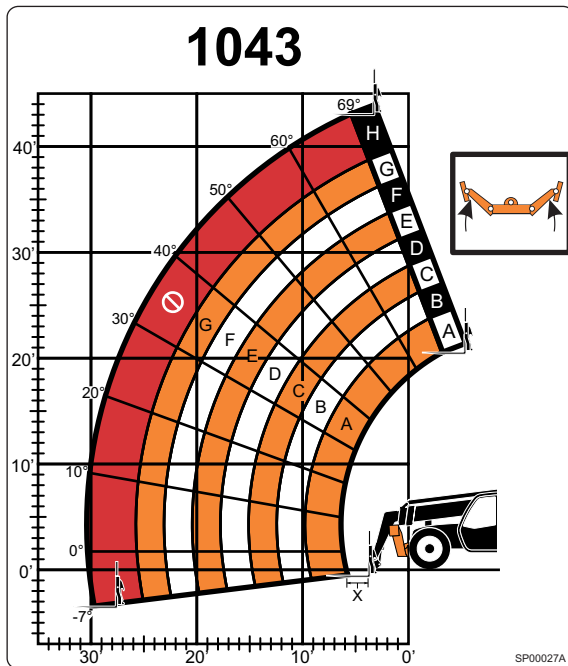


Figure 19. JLG 1043 Load Chart – Outriggers Up

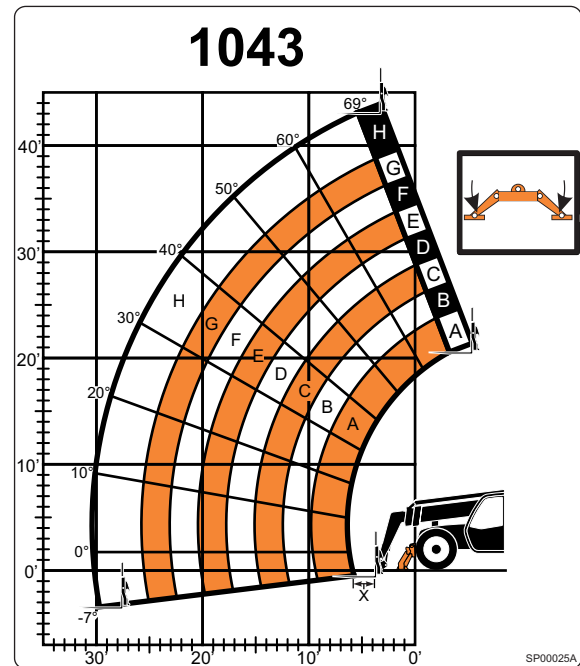


Figure 20. JLG 1043 Load Chart – Outriggers Down

3.2.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the flyswatter. **(Flyswatter Dimensions)**
2. Choose the maximum wind speed of the operating environment. **(Wind Speed)**
3. Choose how far the attachment will tilt away from horizontal, in either direction. **(Flyswatter Tilt Angle)**
4. The maximum allowable operating zone. **(Maximum Operating Zone)**
5. The maximum allowable boom angle⁸. **(Boom Angle)**

8. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Light Diffuser Screens/ Flywatter

Table 7. 1043 Load Chart Reference Table

Flywatter Dimensions (1)	Wind Speed (2)	Flywatter Tilt Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
32.1 ft – 39 ft length OR 1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	N/A	N/A	N/A	N/A
		15.1° – 30°	N/A	N/A	N/A	N/A
		30.1° – 45°	N/A	N/A	N/A	N/A
	12.1 mph – 20 mph	0° – 15°	A	26°	G	44°
		15.1° – 30°	A	9°	G	25°
		30.1° – 45°	A	N/A	G	8°
	0 mph – 12 mph	0° – 15°	B	46°	G	63°
		15.1° – 30°	B	37°	G	57°
		30.1° – 45°	B	27°	G	51°
23.1 ft – 32 ft length OR 501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	B	17°	H	39°
		15.1° – 30°	B	N/A	H	22°
		30.1° – 45°	B	N/A	H	8°
	12.1 mph – 20 mph	0° – 15°	C	35°	H	55°
		15.1° – 30°	C	22°	H	45°
		30.1° – 45°	C	10°	H	36°
	0 mph – 12 mph	0° – 15°	C	5°	H	65°
		15.1° – 30°	C	44°	H	63°
		30.1° – 45°	C	38°	H	59°
13.1 ft – 23 ft length OR 151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	D	31°	H	53°
		15.1° – 30°	D	18°	H	44°
		30.1° – 45°	D	10°	H	36°
	12.1 mph – 20 mph	0° – 15°	E	41°	H	64°
		15.1° – 30°	E	33°	H	58°
		30.1° – 45°	E	28°	H	53°
	0 mph – 12 mph	0° – 15°	F	52°	H	69°
		15.1° – 30°	F	49°	H	68°
		30.1° – 45°	F	47°	H	67°
0 ft – 13 ft length OR 0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	G	33°	H	67°
		15.1° – 30°	G	20°	H	64°
		30.1° – 45°	G	11°	H	61°
	12.1 mph – 20 mph	0° – 15°	G	43°	H	69°
		15.1° – 30°	G	35°	H	69°
		30.1° – 45°	G	30°	H	68°
	0 mph – 12 mph	0° – 15°	G	53°	H	69°
		15.1° – 30°	G	50°	H	69°
		30.1° – 45°	G	48°	H	69°

3.3 JLG 1055 FLYSWATTER

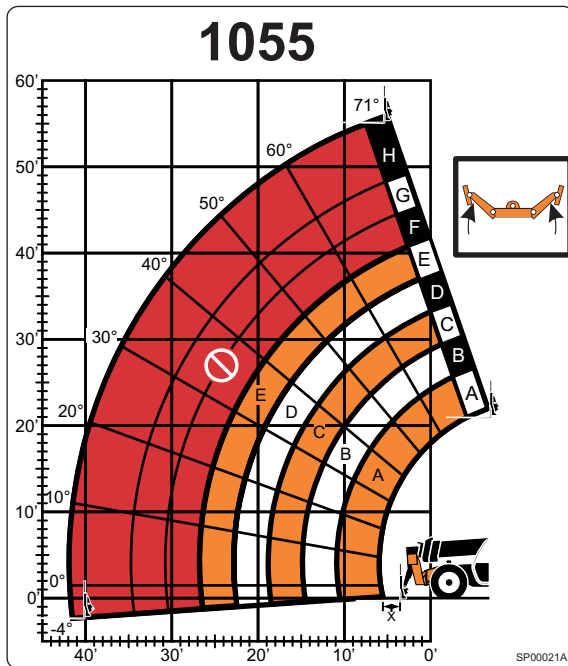


Figure 21. JLG 1055 Load Chart – Outriggers Up

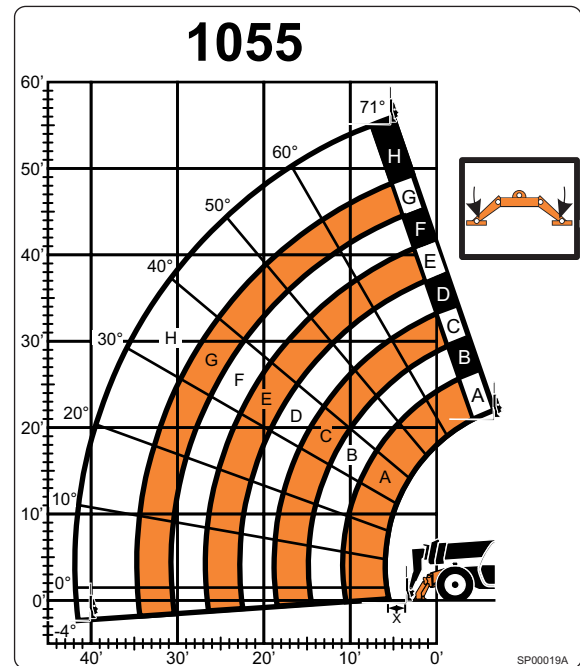


Figure 22. JLG 1055 Load Chart – Outriggers Down

3.3.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the flyswatter. **(Flyswatter Dimensions)**
2. Choose the maximum wind speed of the operating environment. **(Wind Speed)**
3. Choose how far the attachment will tilt away from horizontal, in either direction. **(Flyswatter Tilt Angle)**
4. The maximum allowable operating zone. **(Maximum Operating Zone)**
5. The maximum allowable boom angle⁹. **(Boom Angle)**

9. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Light Diffuser Screens/ Flywatter

Table 8. 1055 Load Chart Reference Table

Flywatter Dimensions (1)	Wind Speed (2)	Flywatter Tilt Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
32.1 ft – 39 ft length OR 1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	MIN	14°	E	25°
		15.1° – 30°	MIN	N/A	E	4°
		30.1° – 45°	MIN	N/A	E	N/A
	12.1 mph – 20 mph	0° – 15°	A	31°	E	42°
		15.1° – 30°	A	19°	E	26°
		30.1° – 45°	A	9°	E	14°
	0 mph – 12 mph	0° – 15°	B	47°	F	57°
		15.1° – 30°	B	40°	F	51°
		30.1° – 45°	B	33°	F	42°
23.1 ft – 32 ft length OR 501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	B	25°	F	34°
		15.1° – 30°	B	13°	F	18°
		30.1° – 45°	B	N/A	F	5°
	12.1 mph – 20 mph	0° – 15°	B	37°	G	50°
		15.1° – 30°	B	29°	G	38°
		30.1° – 45°	B	21°	G	27°
	0 mph – 12 mph	0° – 15°	C	49°	G	60°
		15.1° – 30°	C	46°	G	54°
		30.1° – 45°	C	42°	G	47°
13.1 ft – 23 ft length OR 151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	C	38°	H	45°
		15.1° – 30°	C	31°	H	38°
		30.1° – 45°	C	25°	H	29°
	12.1 mph – 20 mph	0° – 15°	D	46°	H	54°
		15.1° – 30°	D	42°	H	48°
		30.1° – 45°	D	38°	H	44°
	0 mph – 12 mph	0° – 15°	D	52°	H	64°
		15.1° – 30°	D	51°	H	59°
		30.1° – 45°	D	49°	H	55°
0 ft – 13 ft length OR 0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	E	50°	H	58°
		15.1° – 30°	E	48°	H	54°
		30.1° – 45°	E	46°	H	51°
	12.1 mph – 20 mph	0° – 15°	E	53°	H	63°
		15.1° – 30°	E	52°	H	60°
		30.1° – 45°	E	51°	H	58°
	0 mph – 12 mph	0° – 15°	E	56°	H	67°
		15.1° – 30°	E	55°	H	65°
		30.1° – 45°	E	54°	H	63°

3.4 JLG 1255 FLYSWATTER

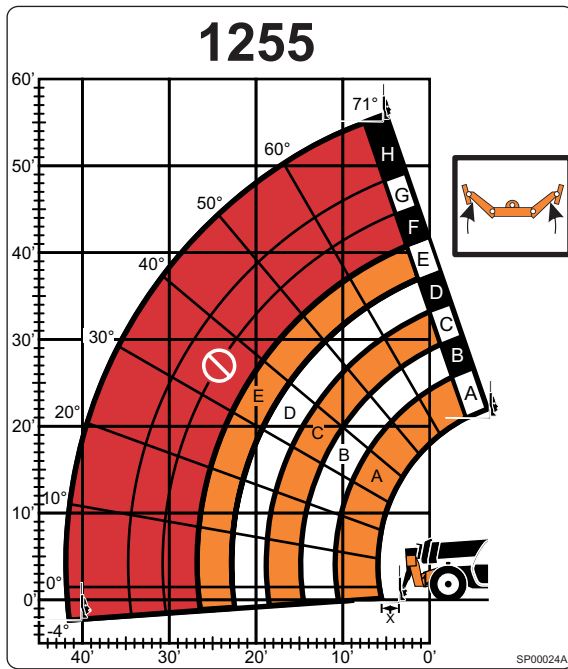


Figure 23. JLG 1255 Load Chart – Outriggers Up

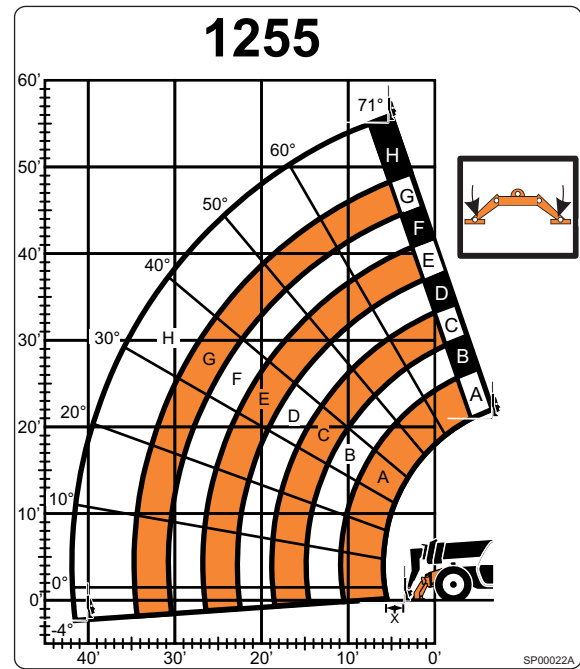


Figure 24. JLG 1255 Load Chart – Outriggers Down

3.4.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the flyswatter. **(Flyswatter Dimensions)**
2. Choose the maximum wind speed of the operating environment. **(Wind Speed)**
3. Choose how far the attachment will tilt away from horizontal, in either direction. **(Flyswatter Tilt Angle)**
4. The maximum allowable operating zone. **(Maximum Operating Zone)**
5. The maximum allowable boom angle¹⁰. **(Boom Angle)**

10. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Light Diffuser Screens/ Flywatter

Table 9. 1255 Load Chart Reference Table

Flywatter Dimensions (1)	Wind Speed (2)	Flywatter Tilt Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
32.1 ft – 39 ft length OR 1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	A	18°	E	25°
		15.1° – 30°	A	5°	E	4°
		30.1° – 45°	A	N/A	E	N/A
	12.1 mph – 20 mph	0° – 15°	B	33°	F	41°
		15.1° – 30°	B	22°	F	26°
		30.1° – 45°	B	13°	F	14°
	0 mph – 12 mph	0° – 15°	B	48°	F	56°
		15.1° – 30°	B	42°	F	48°
		30.1° – 45°	B	36°	F	41°
23.1 ft – 32 ft length OR 501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	B	28°	G	34°
		15.1° – 30°	B	16°	G	18°
		30.1° – 45°	B	5°	G	6°
	12.1 mph – 20 mph	0° – 15°	C	37°	H	49°
		15.1° – 30°	C	32°	H	38°
		30.1° – 45°	C	26°	H	27°
	0 mph – 12 mph	0° – 15°	C	50°	H	59°
		15.1° – 30°	C	47°	H	52°
		30.1° – 45°	C	43°	H	46°
13.1 ft – 23 ft length OR 151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	D	40°	H	43°
		15.1° – 30°	D	33°	H	36°
		30.1° – 45°	D	27°	H	28°
	12.1 mph – 20 mph	0° – 15°	D	48°	H	52°
		15.1° – 30°	D	43°	H	46°
		30.1° – 45°	D	39°	H	41°
	0 mph – 12 mph	0° – 15°	D	53°	H	62°
		15.1° – 30°	D	51°	H	57°
		30.1° – 45°	D	49°	H	53°
0 ft – 13 ft length OR 0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	E	51°	H	56°
		15.1° – 30°	E	48°	H	52°
		30.1° – 45°	E	46°	H	49°
	12.1 mph – 20 mph	0° – 15°	E	54°	H	61°
		15.1° – 30°	E	52°	H	58°
		30.1° – 45°	E	50°	H	56°
	0 mph – 12 mph	0° – 15°	E	57°	H	65°
		15.1° – 30°	E	55°	H	63°
		30.1° – 45°	E	54°	H	61°

3.5 SKYTRAK 10042 FLYSWATTER

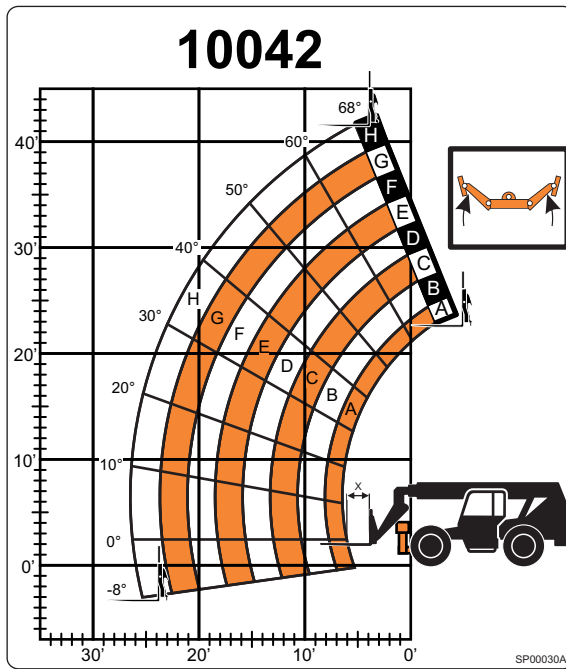


Figure 25. Skytrak 10042 Load Chart – Outriggers Up

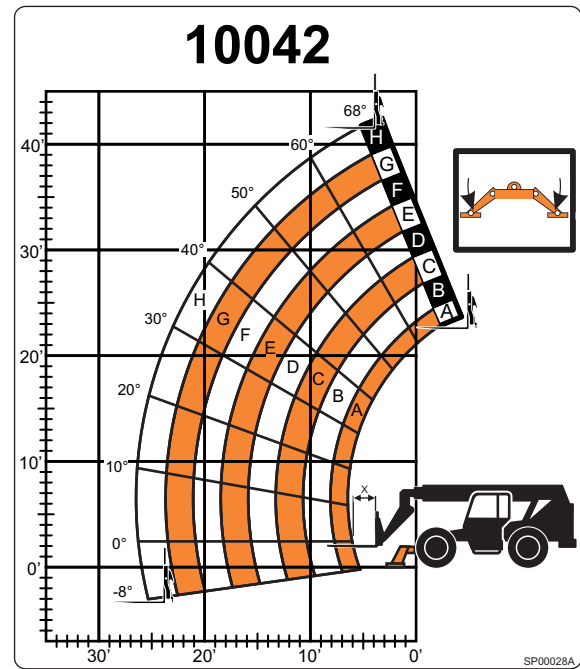


Figure 26. Skytrak 10042 Load Chart – Outriggers Down

3.5.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the flyswatter. **(Flyswatter Dimensions)**
2. Choose the maximum wind speed of the operating environment. **(Wind Speed)**
3. Choose how far the attachment will tilt away from horizontal, in either direction. **(Flyswatter Tilt Angle)**
4. The maximum allowable operating zone. **(Maximum Operating Zone)**
5. The maximum allowable boom angle¹¹. **(Boom Angle)**

¹¹ Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Light Diffuser Screens/ Flywatter

Table 10. 10042 Load Chart Reference Table

Flywatter Dimensions (1)	Wind Speed (2)	Flywatter Tilt Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
32.1 ft – 39 ft length OR 1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	N/A	N/A	N/A	N/A
		15.1° – 30°	N/A	N/A	N/A	N/A
		30.1° – 45°	N/A	N/A	N/A	N/A
	12.1 mph – 20 mph	0° – 15°	B	19°	H	32°
		15.1° – 30°	B	N/A	H	11°
		30.1° – 45°	B	N/A	H	N/A
	0 mph – 12 mph	0° – 15°	C	38°	H	53°
		15.1° – 30°	C	27°	H	43°
		30.1° – 45°	C	15°	H	32°
23.1 ft – 32 ft length OR 501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	C	8°	H	18°
		15.1° – 30°	C	N/A	H	5°
		30.1° – 45°	C	N/A	H	N/A
	12.1 mph – 20 mph	0° – 15°	D	24°	H	38°
		15.1° – 30°	D	8°	H	22°
		30.1° – 45°	D	N/A	H	5°
	0 mph – 12 mph	0° – 15°	E	40°	H	55°
		15.1° – 30°	E	32°	H	47°
		30.1° – 45°	E	23°	H	40°
13.1 ft – 23 ft length OR 151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	F	20°	H	32°
		15.1° – 30°	F	10°	H	18°
		30.1° – 45°	F	N/A	H	5°
	12.1 mph – 20 mph	0° – 15°	G	32°	H	46°
		15.1° – 30°	G	23°	H	38°
		30.1° – 45°	G	15°	H	28°
	0 mph – 12 mph	0° – 15°	H	42°	H	56°
		15.1° – 30°	H	38°	H	51°
		30.1° – 45°	H	32°	H	48°
0 ft – 13 ft length OR 0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	H	35°	H	50°
		15.1° – 30°	H	30°	H	45°
		30.1° – 45°	H	24°	H	41°
	12.1 mph – 20 mph	0° – 15°	H	40°	H	55°
		15.1° – 30°	H	35°	H	50°
		30.1° – 45°	H	32°	H	48°
	0 mph – 12 mph	0° – 15°	H	43°	H	58°
		15.1° – 30°	H	39°	H	55°
		30.1° – 45°	H	37°	H	53°

3.6 SKYTRAK 10054 FLYSWATTER

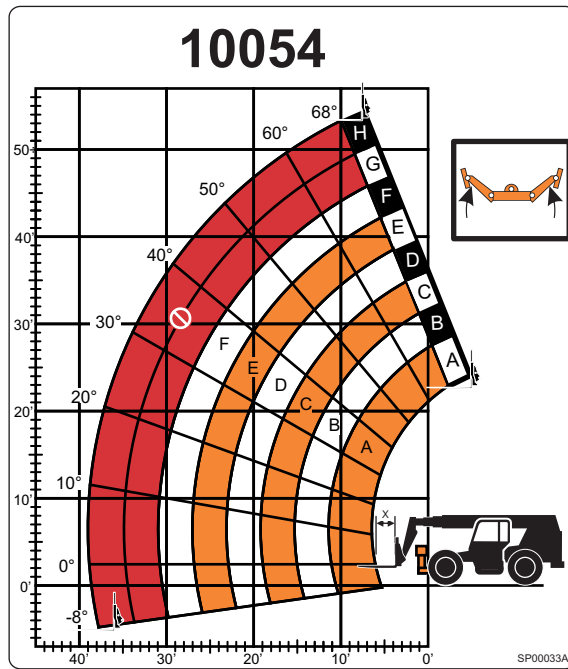


Figure 27. Skytrak 10054 Load Chart – Outriggers Up

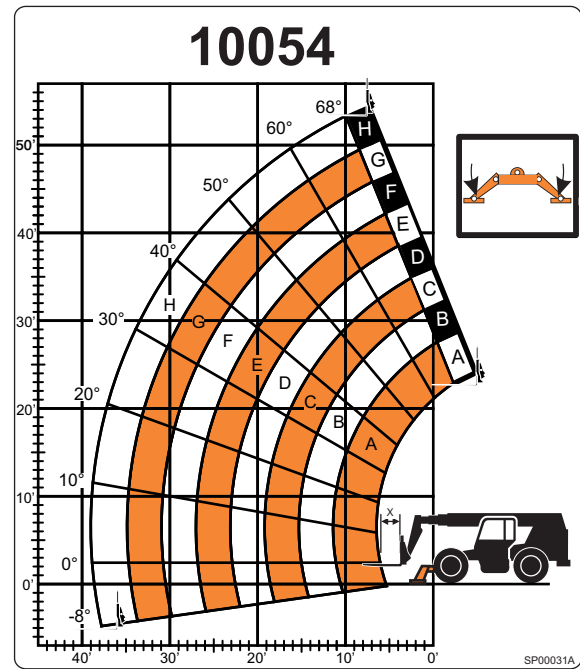


Figure 28. Skytrak 10054 Load Chart – Outriggers Down

3.6.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the flyswatter. **(Flyswatter Dimensions)**
2. Choose the maximum wind speed of the operating environment. **(Wind Speed)**
3. Choose how far the attachment will tilt away from horizontal, in either direction. **(Flyswatter Tilt Angle)**
4. The maximum allowable operating zone. **(Maximum Operating Zone)**
5. The maximum allowable boom angle¹². **(Boom Angle)**

12. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Light Diffuser Screens/ Flywatter

Table 11. 10054 Load Chart Reference Table

Flywatter Dimensions (1)	Wind Speed (2)	Flywatter Tilt Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
32.1 ft – 39 ft length OR 1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	N/A	N/A	N/A	N/A
		15.1° – 30°	N/A	N/A	N/A	N/A
		30.1° – 45°	N/A	N/A	N/A	N/A
	12.1 mph – 20 mph	0° – 15°	A	20°	E	33°
		15.1° – 30°	A	N/A	E	16°
		30.1° – 45°	A	N/A	E	N/A
	0 mph – 12 mph	0° – 15°	B	39°	F	52°
		15.1° – 30°	B	28°	F	44°
		30.1° – 45°	B	16°	F	34°
23.1 ft – 32 ft length OR 501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	B	10°	G	20°
		15.1° – 30°	B	N/A	G	N/A
		30.1° – 45°	B	N/A	G	N/A
	12.1 mph – 20 mph	0° – 15°	C	24°	G	39°
		15.1° – 30°	C	10°	G	30°
		30.1° – 45°	C	N/A	G	9°
	0 mph – 12 mph	0° – 15°	C	39°	H	54°
		15.1° – 30°	C	32°	H	48°
		30.1° – 45°	C	25°	H	42°
13.1 ft – 23 ft length OR 151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	D	20°	H	33°
		15.1° – 30°	D	8°	H	20°
		30.1° – 45°	D	N/A	H	8°
	12.1 mph – 20 mph	0° – 15°	E	31°	H	47°
		15.1° – 30°	E	23°	H	40°
		30.1° – 45°	E	16°	H	30°
	0 mph – 12 mph	0° – 15°	E	40°	H	55°
		15.1° – 30°	E	36°	H	52°
		30.1° – 45°	E	32°	H	50°
0 ft – 13 ft length OR 0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	F	35°	H	49°
		15.1° – 30°	F	30°	H	45°
		30.1° – 45°	F	25°	H	40°
	12.1 mph – 20 mph	0° – 15°	F	40°	H	53°
		15.1° – 30°	F	35°	H	50°
		30.1° – 45°	F	33°	H	47°
	0 mph – 12 mph	0° – 15°	F	42°	H	56°
		15.1° – 30°	F	41°	H	54°
		30.1° – 45°	F	40°	H	52°

3.7 SKYTRAK 12054 FLYSWATTER

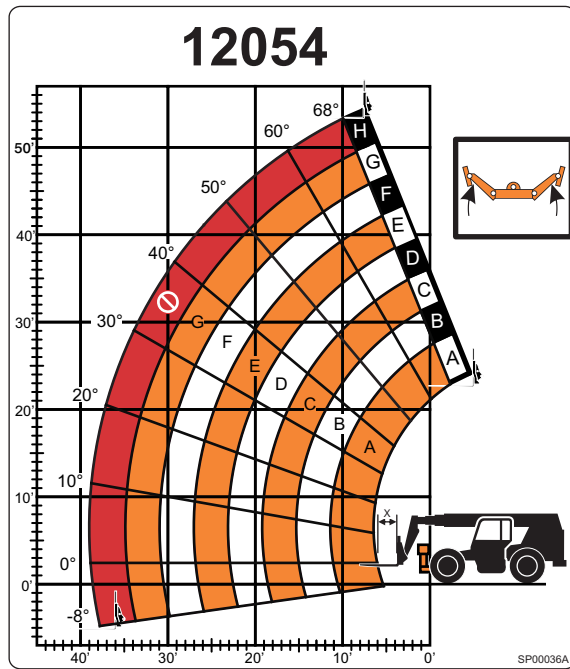


Figure 29. Skytrak 12054 Load Chart – Outriggers Up

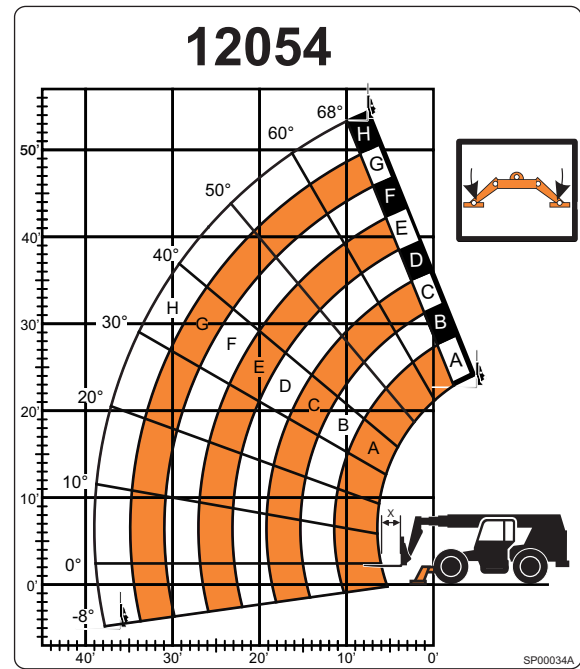


Figure 30. Skytrak 12054 Load Chart – Outriggers Down

3.7.1 Load Chart – Outriggers Up and Down

To determine the operating envelope, use the load chart, load chart reference table, and the following reference.

Note: The following numbered list corresponds to the columns in the Load Chart Reference table.

1. Choose the appropriate properties of the flyswatter. **(Flyswatter Dimensions)**
2. Choose the maximum wind speed of the operating environment. **(Wind Speed)**
3. Choose how far the attachment will tilt away from horizontal, in either direction. **(Flyswatter Tilt Angle)**
4. The maximum allowable operating zone. **(Maximum Operating Zone)**
5. The maximum allowable boom angle¹³. **(Boom Angle)**

13. Maximum Boom Angle may be low enough to cause ground interference and therefore not be practical.

Light Diffuser Screens/ Flywatter

Table 12. 12054 Load Chart Reference Table

Flywatter Dimensions (1)	Wind Speed (2)	Flywatter Tilt Angle (3)	Outriggers Up		Outriggers Down	
			Maximum Operating Zone (4)	Boom Angle (5)	Maximum Operating Zone (4)	Boom Angle (5)
32.1 ft – 39 ft length OR 1001 ft ² – 1500 ft ² OR 2001 lb – 3000 lb	20.1 mph – 28 mph	0° – 15°	MIN	5°	E	15°
		15.1° – 30°	MIN	N/A	E	N/A
		30.1° – 45°	MIN	N/A	E	N/A
	12.1 mph – 20 mph	0° – 15°	B	26°	F	38°
		15.1° – 30°	B	15°	F	20°
		30.1° – 45°	B	N/A	F	N/A
	0 mph – 12 mph	0° – 15°	B	43°	G	56°
		15.1° – 30°	B	35°	G	46°
		30.1° – 45°	B	28°	G	37°
23.1 ft – 32 ft length OR 501 ft ² – 1000 ft ² OR 1001 lb – 2000 lb	20.1 mph – 28 mph	0° – 15°	C	13°	H	25°
		15.1° – 30°	C	N/A	H	8°
		30.1° – 45°	C	N/A	H	N/A
	12.1 mph – 20 mph	0° – 15°	D	27°	H	43°
		15.1° – 30°	D	16°	H	29°
		30.1° – 45°	D	4°	H	15°
	0 mph – 12 mph	0° – 15°	D	43°	H	58°
		15.1° – 30°	D	35°	H	48°
		30.1° – 45°	D	29°	H	44°
13.1 ft – 23 ft length OR 151 ft ² – 500 ft ² OR 501 lb – 1000 lb	20.1 mph – 28 mph	0° – 15°	E	24°	H	35°
		15.1° – 30°	E	12°	H	23°
		30.1° – 45°	E	5°	H	15°
	12.1 mph – 20 mph	0° – 15°	F	35°	H	51°
		15.1° – 30°	F	25°	H	42°
		30.1° – 45°	F	18°	H	35°
	0 mph – 12 mph	0° – 15°	F	43°	H	59°
		15.1° – 30°	F	37°	H	57°
		30.1° – 45°	F	33°	H	52°
0 ft – 13 ft length OR 0 ft ² – 150 ft ² OR 0 lb – 500 lb	20.1 mph – 28 mph	0° – 15°	G	40°	H	53°
		15.1° – 30°	G	36°	H	49°
		30.1° – 45°	G	32°	H	47°
	12.1 mph – 20 mph	0° – 15°	G	44°	H	57°
		15.1° – 30°	G	42°	H	55°
		30.1° – 45°	G	40°	H	53°
	0 mph – 12 mph	0° – 15°	G	48°	H	60°
		15.1° – 30°	G	46°	H	59°
		30.1° – 45°	G	45°	H	58°

SECTION 4

ROTATING TELEHANDLER ATTACHMENTS

4.1 JLG R1370 – ROTATING TELEHANDLER

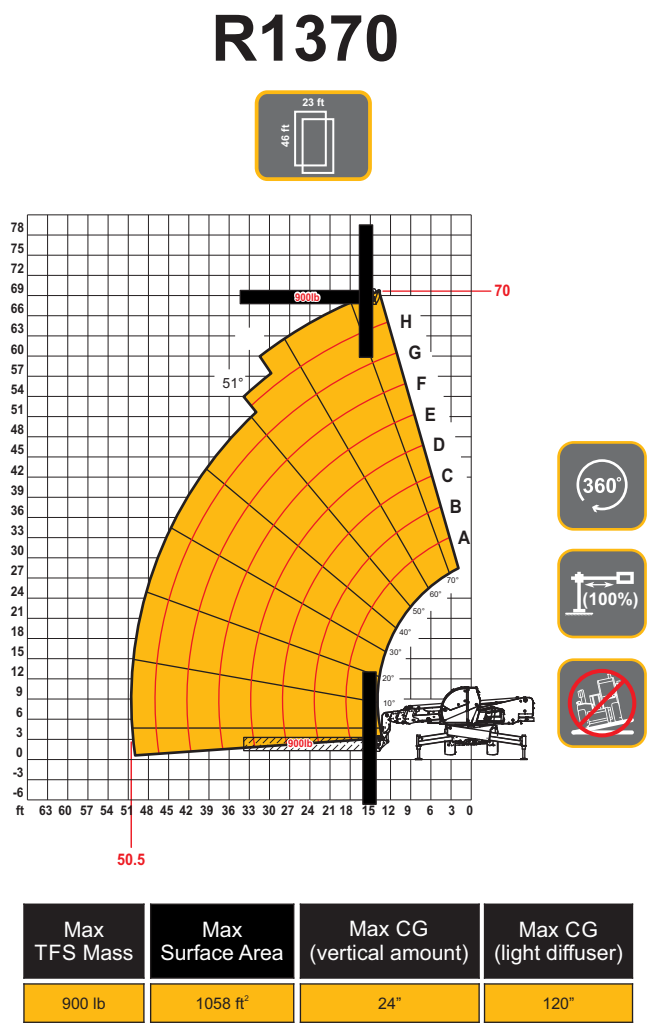
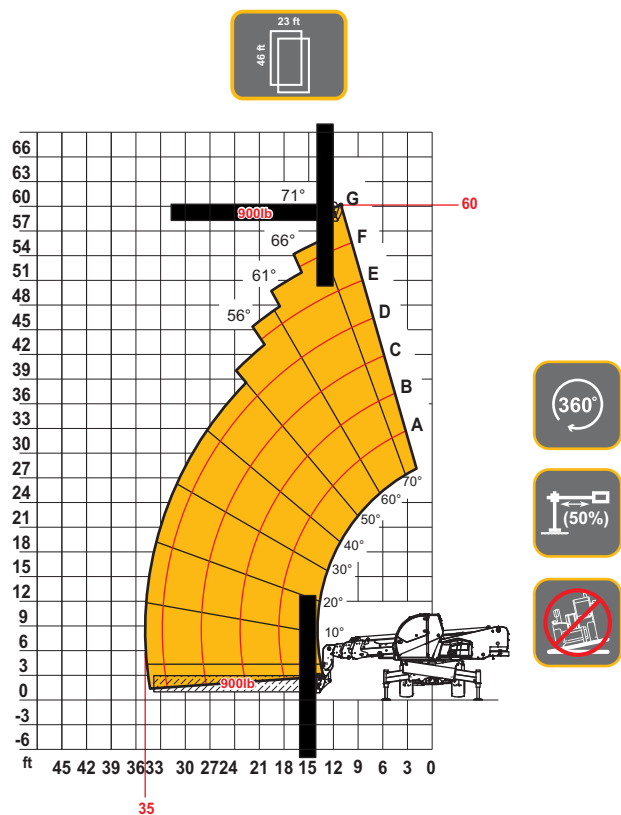


Figure 31. R1370 – Outriggers Down – 100% Extended

R1370



Max TFS Mass	Max Surface Area	Max CG (vertical amount)	Max CG (light diffuser)
900 lb	1058 ft ²	24"	120"

TH000901A

Figure 32. R1370 – Outriggers Down – 50% Extended

R1370

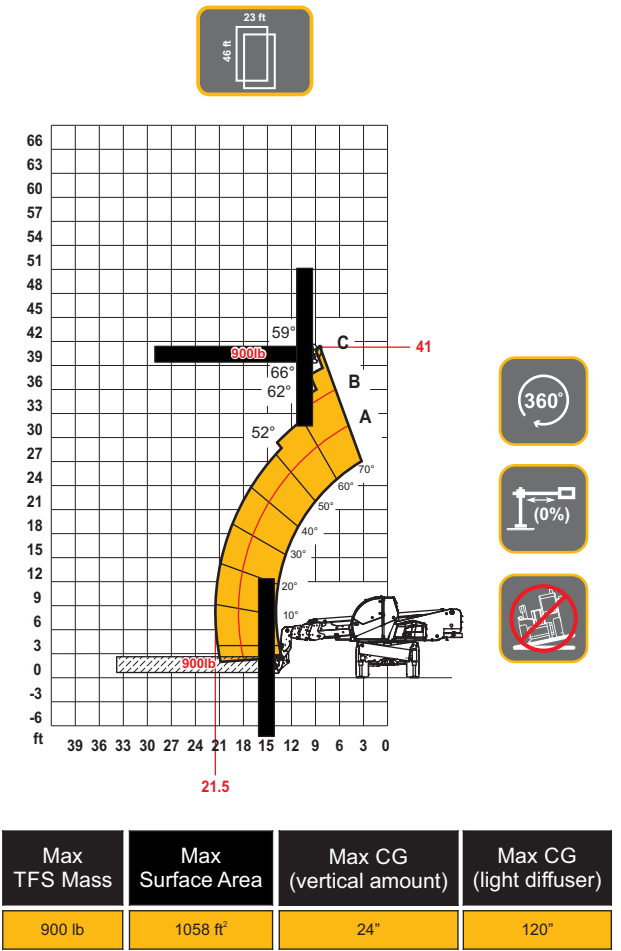


Figure 33. R1370 – Outriggers Down – 0% Extended

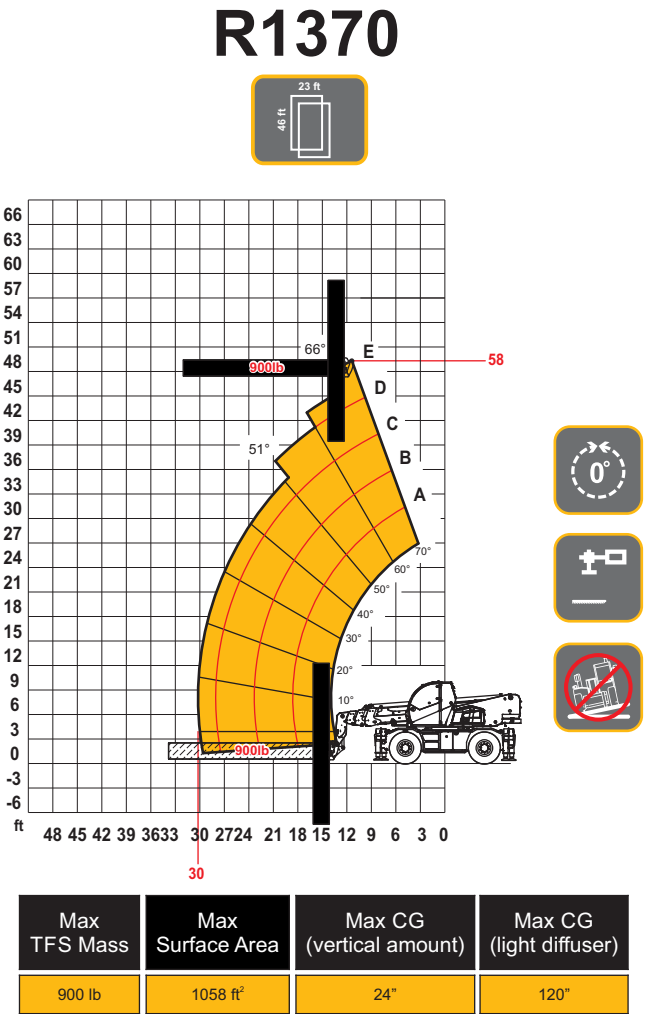
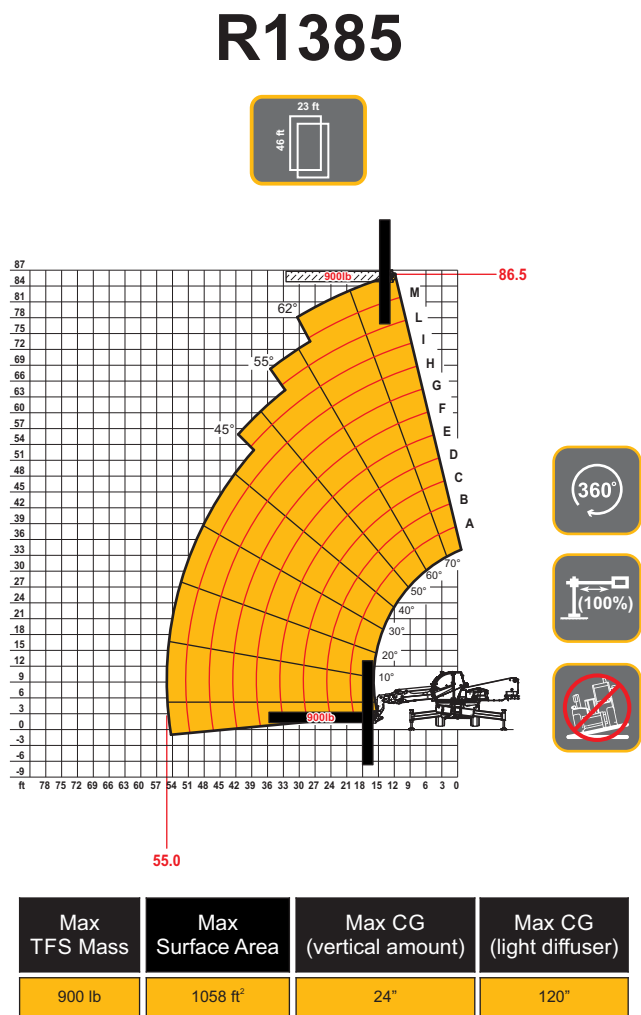


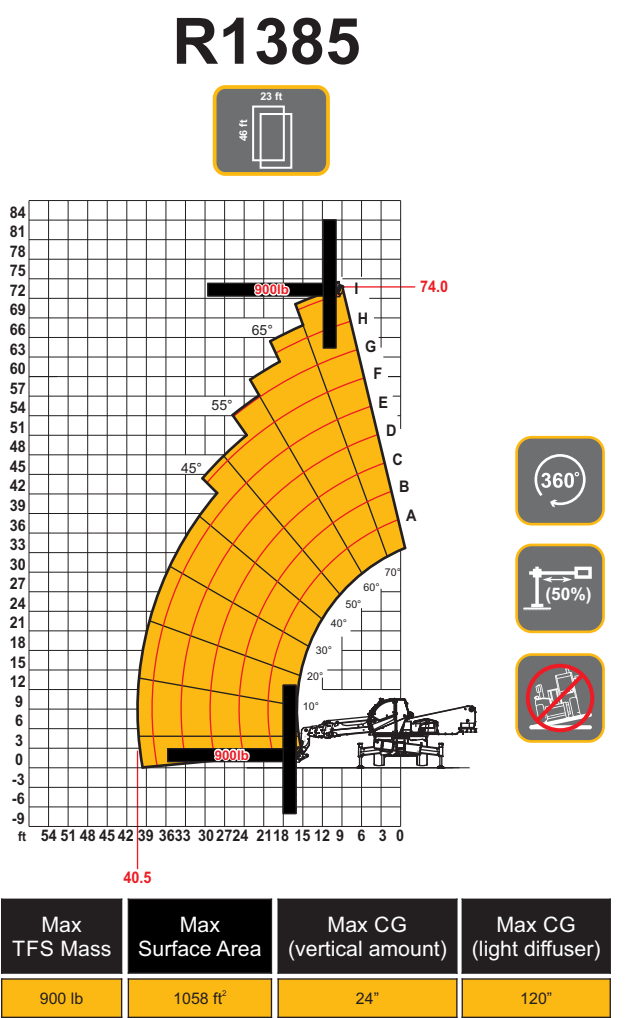
Figure 34. R1370 – Outriggers Up

4.2 JLG R1385 – ROTATING TELEHANDLER



TH000904A

Figure 35. R1385 – Outriggers Down – 100% Extended



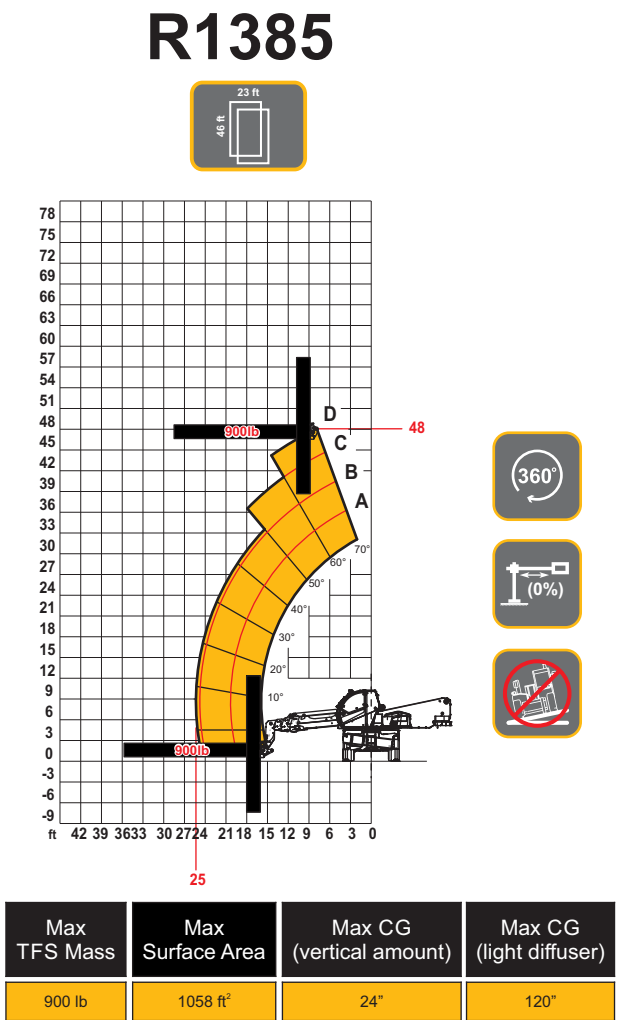
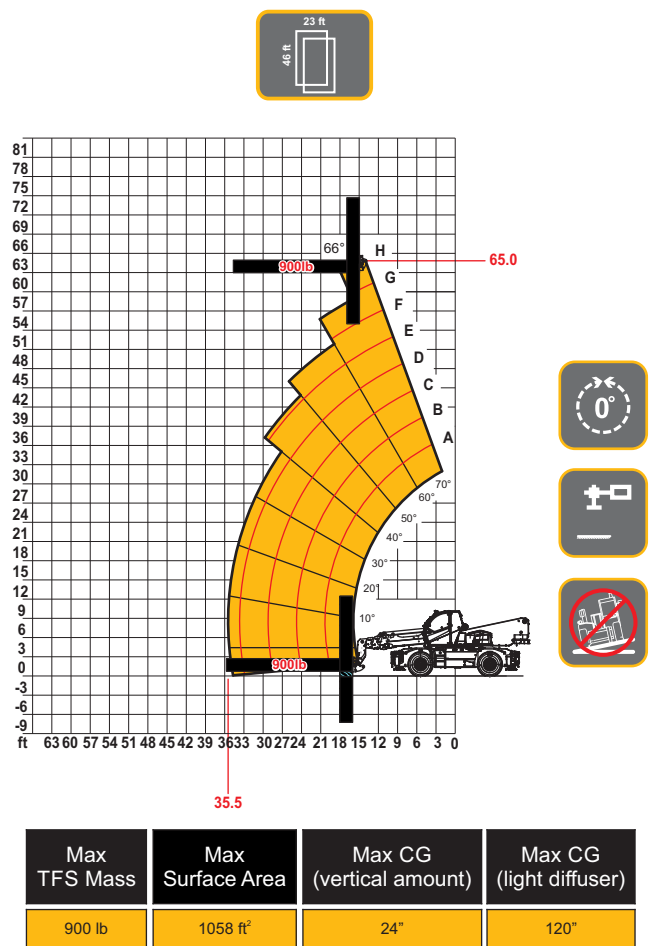


Figure 37. R1385 – Outriggers Down – 0% Extended

R1385



TH000907A

Figure 38. R1385 – Outriggers Up

4.3 JLG R11100 – ROTATING TELEHANDLER

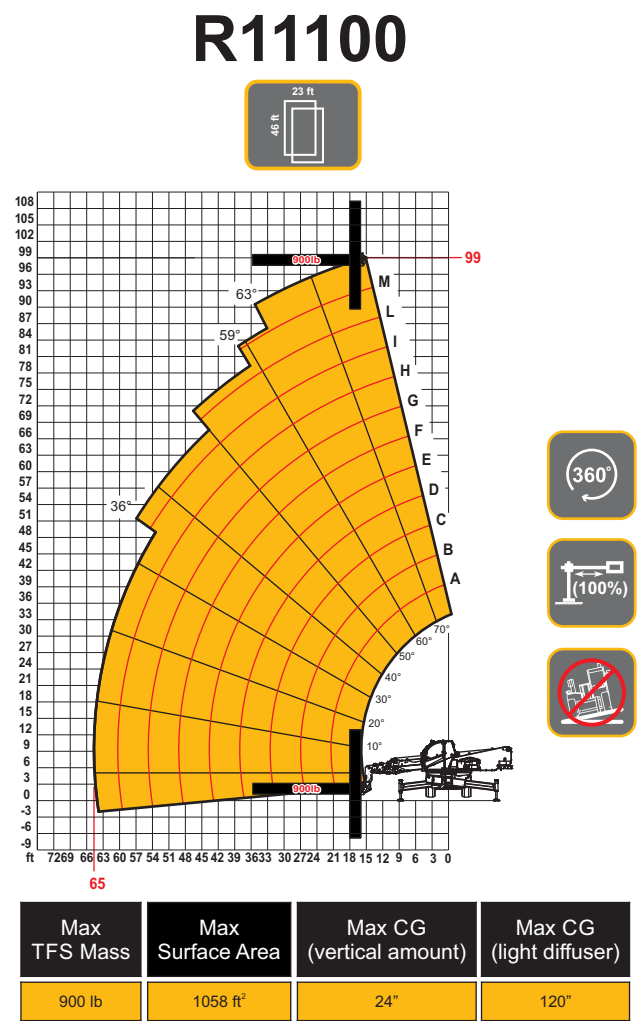


Figure 39. R11100 – Outriggers Down – 100% Extended

R11100

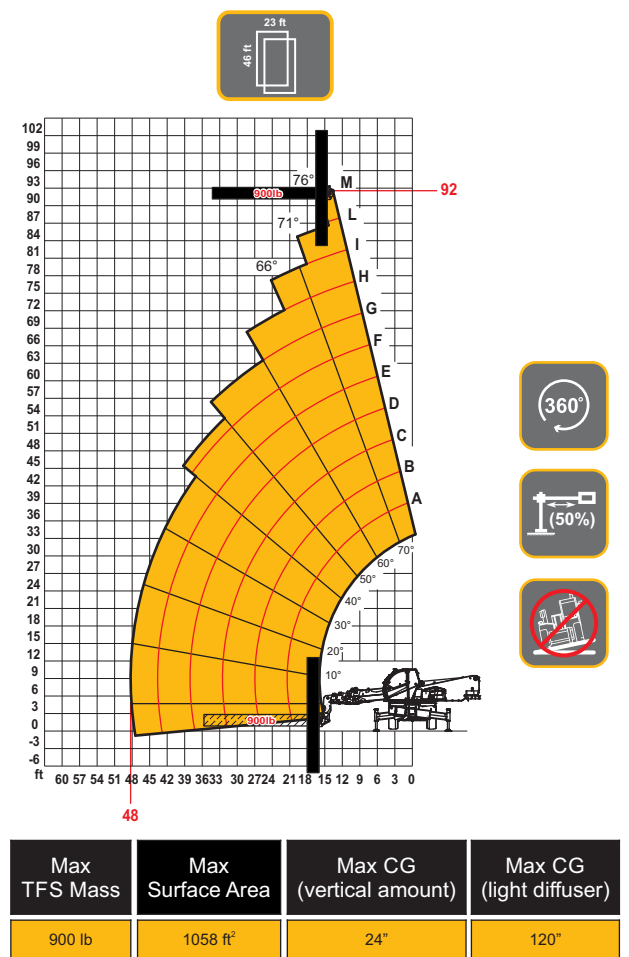


Figure 40. R11100 – Outriggers Down – 50% Extended

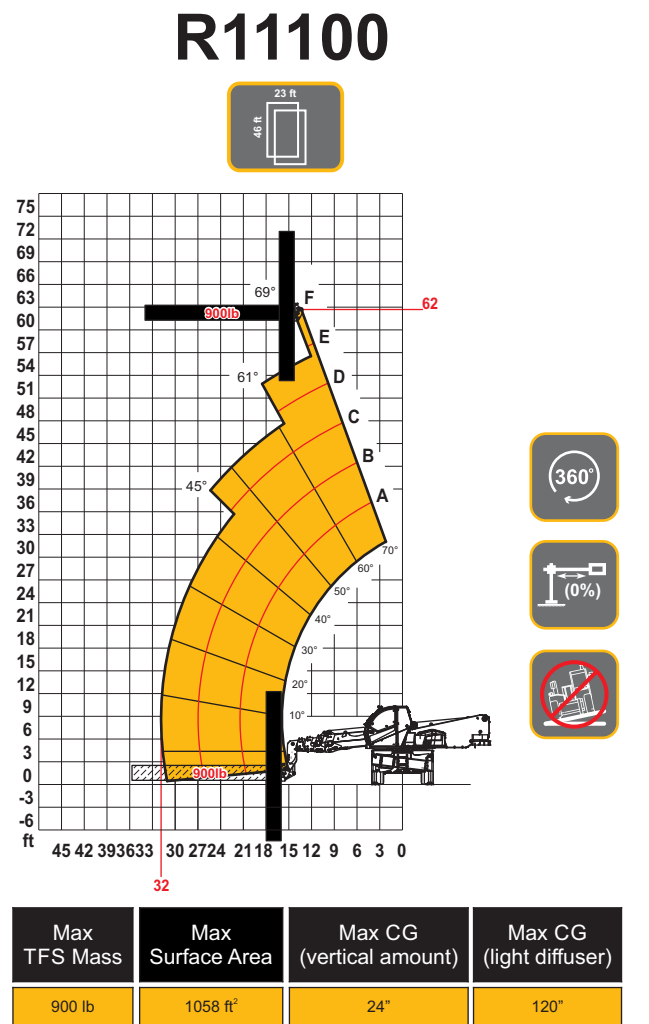


Figure 41. R11100 – Outriggers Down – 0% Extended

R11100

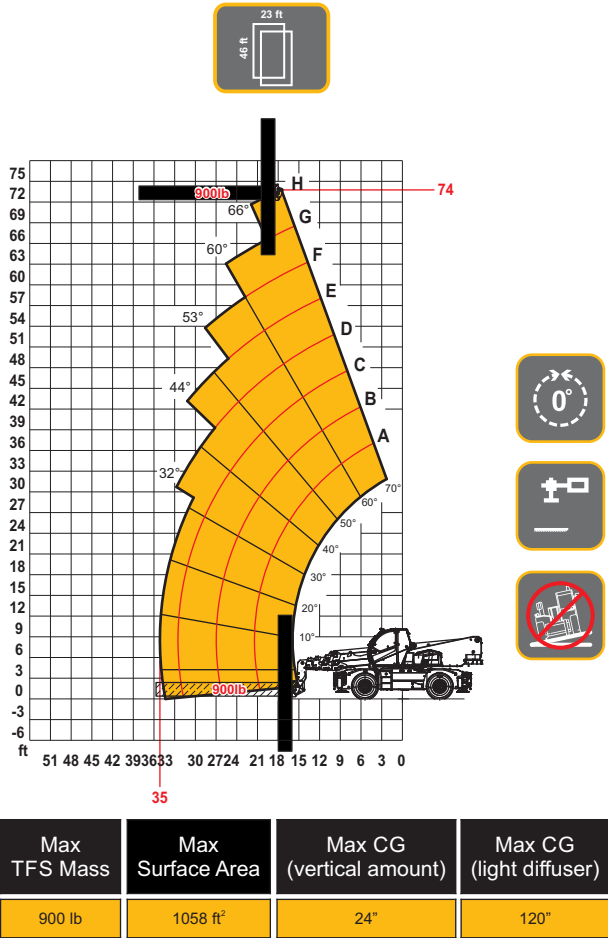


Figure 42. R11100 – Outriggers Up



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