

Reference: Classes of Aerial Lifts

DEFINITION

The American National Standards Institute (ANSI) A92 standards define an aerial lift as a “machine/device intended for moving persons, tools, and material to working positions, consisting of at least a work platform with controls, an extending structure, and a chassis.” Aerial lifts are also referred to as Mobile Elevating Work Platforms (MEWPs).

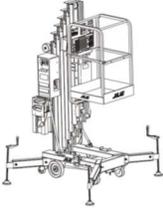
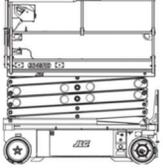
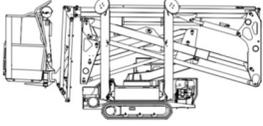
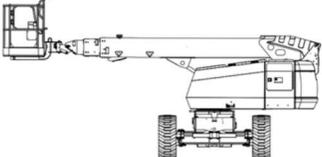
AERIAL LIFT CLASSIFICATION DEFINITIONS

Aerial lift classifications are made up of a lift Group (platform location in reference to tipping line) with an associated lift Type (reference to traveling).

- Type 1 – traveling is only allowed in the stowed position
- Type 2 – traveling elevated is controlled from the chassis
- Type 3 – traveling elevated is controlled from inside the work platform
- Group A – vertical projection of the platform is inside the tipping lines at maximum inclination in all platform configurations
- Group B – all other aerial lifts, typically identified as boom-type aerial lifts

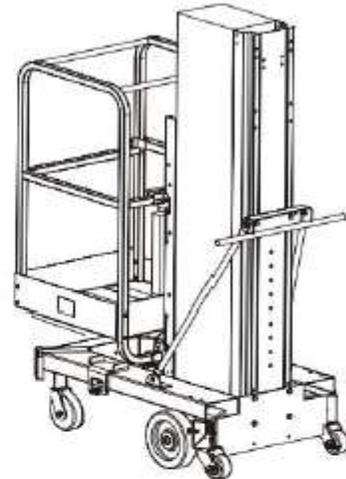
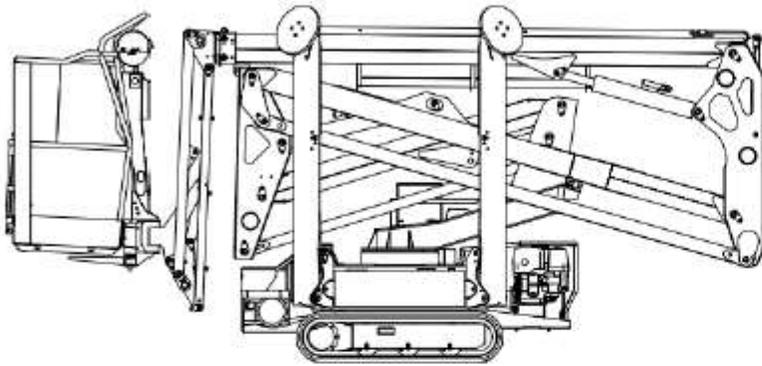
ANSI AERIAL LIFT CLASSIFICATIONS

ANSI identifies five classifications of aerial lifts.

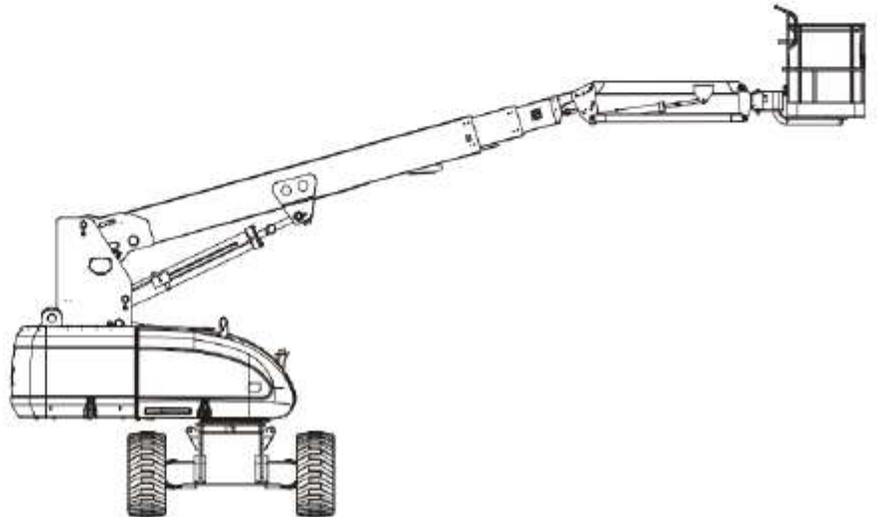
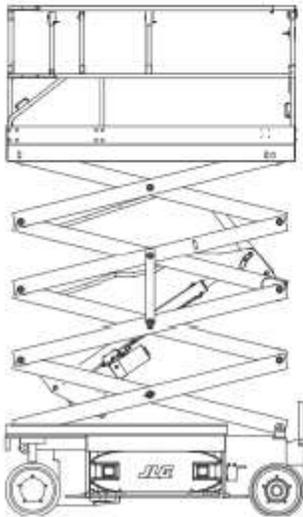
ANSI Classification		BNL Job-Performance Measure (JPM) code
<ul style="list-style-type: none"> • A92.2 		<ul style="list-style-type: none"> • TQ-AERIAL-P92.2
<ul style="list-style-type: none"> • Type 1, Group A 		<ul style="list-style-type: none"> • TQ-AERIAL-P1A
<ul style="list-style-type: none"> • Type 3, Group A 		<ul style="list-style-type: none"> • TQ-AERIAL-P3A
<ul style="list-style-type: none"> • Type 1, Group B 		<ul style="list-style-type: none"> • TQ-AERIAL-P1B
<ul style="list-style-type: none"> • Type 3, Group B 		<ul style="list-style-type: none"> • TQ-AERIAL-P3B

Reference to Travel

Type 1 – Traveling is only allowed in the stowed position.



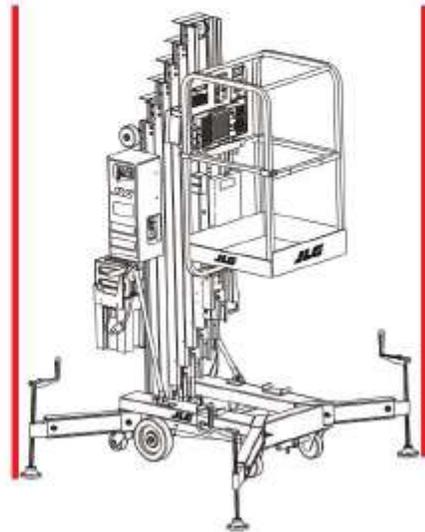
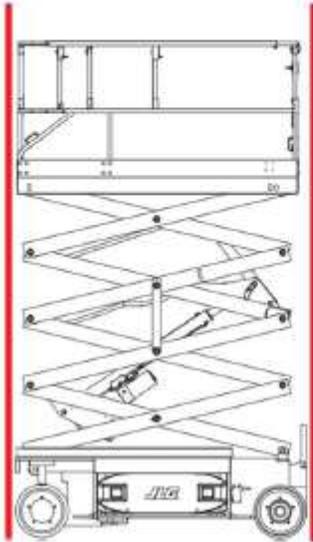
Type 3 – Traveling elevated is controlled from inside the work platform.



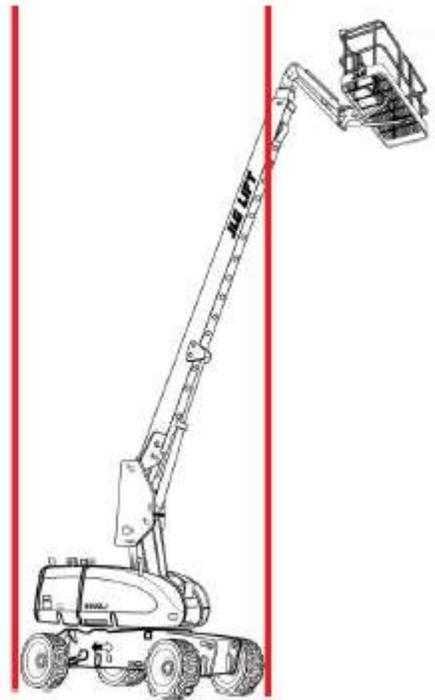
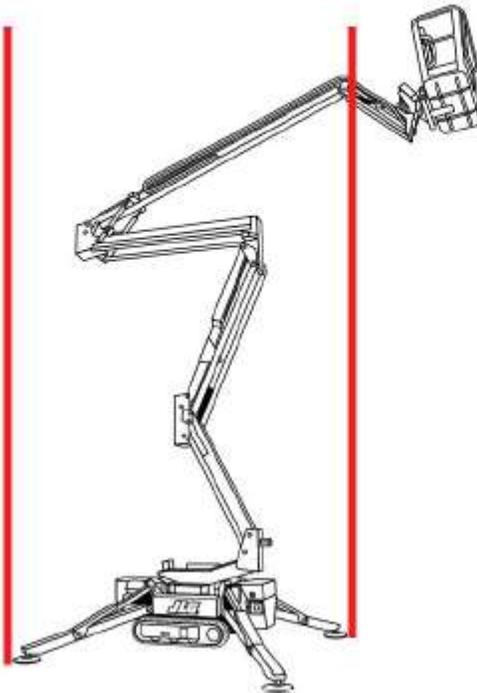
Source: JLG University Operator Training Program, “Mobile Elevating Work Platform” Participant Manual ST439; rev May 1, 2018. Used with permission.

Reference to Tipping Lines

Group A – Vertical projection of the center of the platform area, in all platform configurations at the maximum chassis inclination specified by the manufacturer, is always inside the tipping lines.



Group B – All other aerial lifts, typically identified as boom-type aerial lifts.



New Aerial Lift JPM Codes

August 8, 2018

Old JPM code	ANSI code	New JPM code	New JPM title
TQ-AERIAL-VM-25	A92.2	TQ-AERIAL-P92.2	Trailer-mounted/Truck-mounted Boom Lift
TQ-AERIAL-VM-45	A92.2		
TQ-AERIAL-VM-65	A92.2		
TQ-AERIAL-MP-20	A92.3	TQ-AERIAL-P1A	Manually Propelled Vertical Lift
TQ-AERIAL-MP-30	A92.3		
TQ-AERIAL-MP-40	A92.3		
TQ-AERIAL-BS-40	A92.5	TQ-AERIAL-P3B	Boom Lift
TQ-AERIAL-BS-50	A92.5		
TQ-AERIAL-BS-90	A92.5		
TQ-AERIAL-BS-125	A92.5	TQ-AERIAL-P3B125	125-foot Grove Boom Lift
TQ-AERIAL-VP-20	A92.6	TQ-AERIAL-P3A	Self-Propelled Vertical Lift
TQ-AERIAL-VP-40	A92.6		
TQ-AERIAL-VP-60	A92.6		
TQ-AERIAL-CW-07	A92.6		
(new)		TQ-AERIAL-P1B	Compact Crawler