

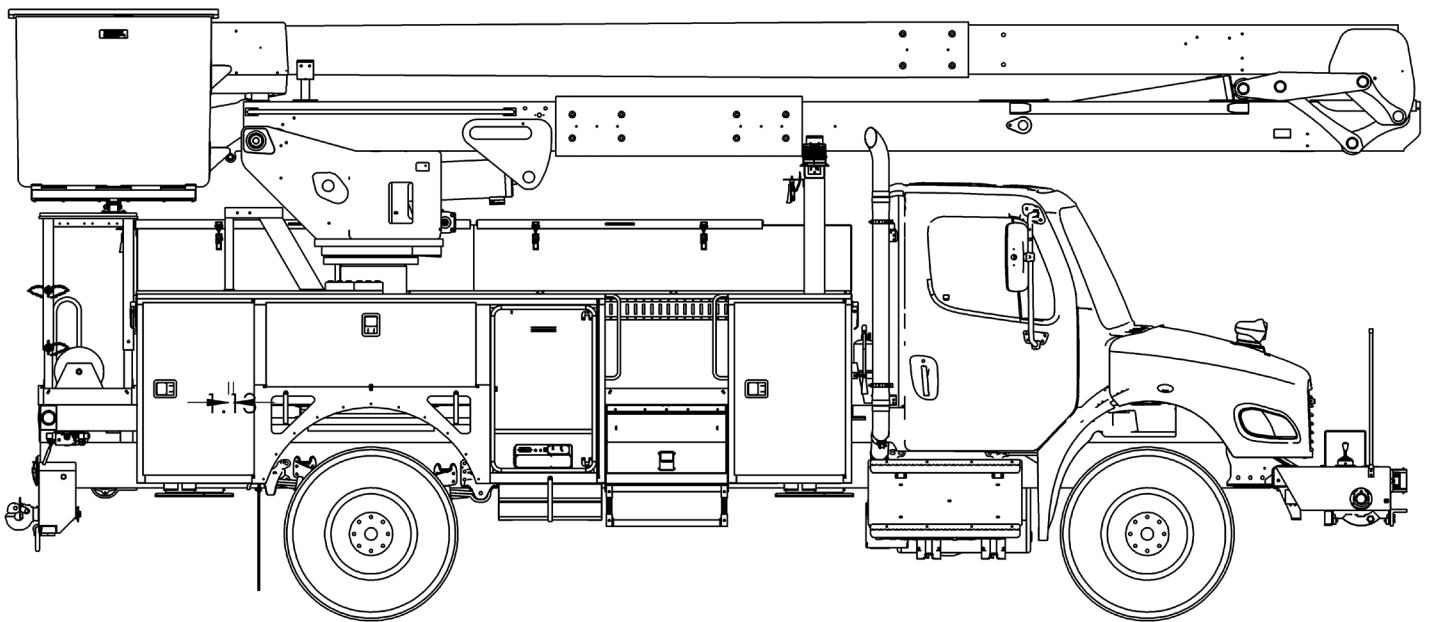


TEREX®

TECH TIPS

AERIAL LOAD CHARTS P/N 493961

NO. 19



GENERAL KNOWLEDGE
AERIAL LOAD CHARTS



MODEL(S):
AERIAL UNITS USING LOAD
CHART 493961



TOOLS NEEDED:
NONE

TEREX UTILITIES TECHNICAL SUPPORT TEAM

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DANGER

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury.

Many of the hazards identified in the Operator's Manual are also safety hazards when maintenance and repair procedures are performed.

DO NOT PERFORM MAINTENANCE UNLESS:

- ✓ You are trained and qualified to perform maintenance on this machine.
- ✓ You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- ✓ You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this Tech Tip is a supplement to the Service Manual. Consult the appropriate Service Manual of your machine for safety rules and hazards.



TECH TIP 19 | RELEASED 09.03.2025 | VERSION 1.1
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INTRODUCTION

An operator will move a transformer from the ground and position it on a pole. Using the information in the following steps, determine if the lift plan can be achieved while remaining within the limits of the load chart.



This tech-tip demonstrates how to use a load chart. Always use the unit specific load chart to determine capacities and to plan the path of the load.

STEP 1

The transformer has a known weight of 320 lbs. Performing a dry run, the operator determined the boom angles required to move and place the transformer.

TL41 JIB LIFTING CAPACITIES						
WINCH CENTER TO LOAD LINE						
UB ANGLE	0' TO 2'	2' TO 3'	3' TO 4'	4' TO 5'	OVER 5'	
	75°	1400	750	650	300	200
	65°					
	60°					
	45°					
	30°	625	625	600		
	15°	400	375	350		
	0°	300	300	300		
	-15°	400	375	450		
	-30°	625	625	650		
	-40°	900	750			
	MAX	1500	750	650	400	400

EQUIPPED AS FOLLOWS:

- SIDE MOUNT BOOM TIP WITH PLATFORM LIFT
- 400 LB. PLATFORM CAPACITY.
- CAPACITIES ARE IN LB.
- 90% OF THE UNUSED BASKET CAPACITY CAN BE ADDED TO THE JIB, UP TO A LOAD RADIUS OF 3'. NOT TO EXCEED VALUES SHOWN IN THE "MAX" ROW

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Load Radius	2 feet	Liner	50 lbs.
Operator	200 lbs.	Tools	50 lbs.
Transformer	320 lbs.	Upper Boom Angle	0° to 65°

STEP 4

The upper boom angle is listed in the table range from 0° to 65°. The max load that can be lifted in this range is 300 lbs. The 320 lb. transformer exceeds the lifting capacity listed on the load chart.

Upper Boom Angle

0° to 65°

Transformer

320 lbs.

TL41 JIB LIFTING CAPACITIES

WINCH CENTER TO LOAD LINE

		0' TO 2'	2' TO 3'	3' TO 4'	4' TO 5'	OVER 5'
UB ANGLE	75°	1400	750	650	300	200
	65°					
	60°					
	45°					
	30°	625	625	600		
	15°	400	375	350		
	0°	300	300	300		
	-15°	400	375	450		
	-30°	625	625	650		
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FOR FURTHER ASSISTANCE,
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