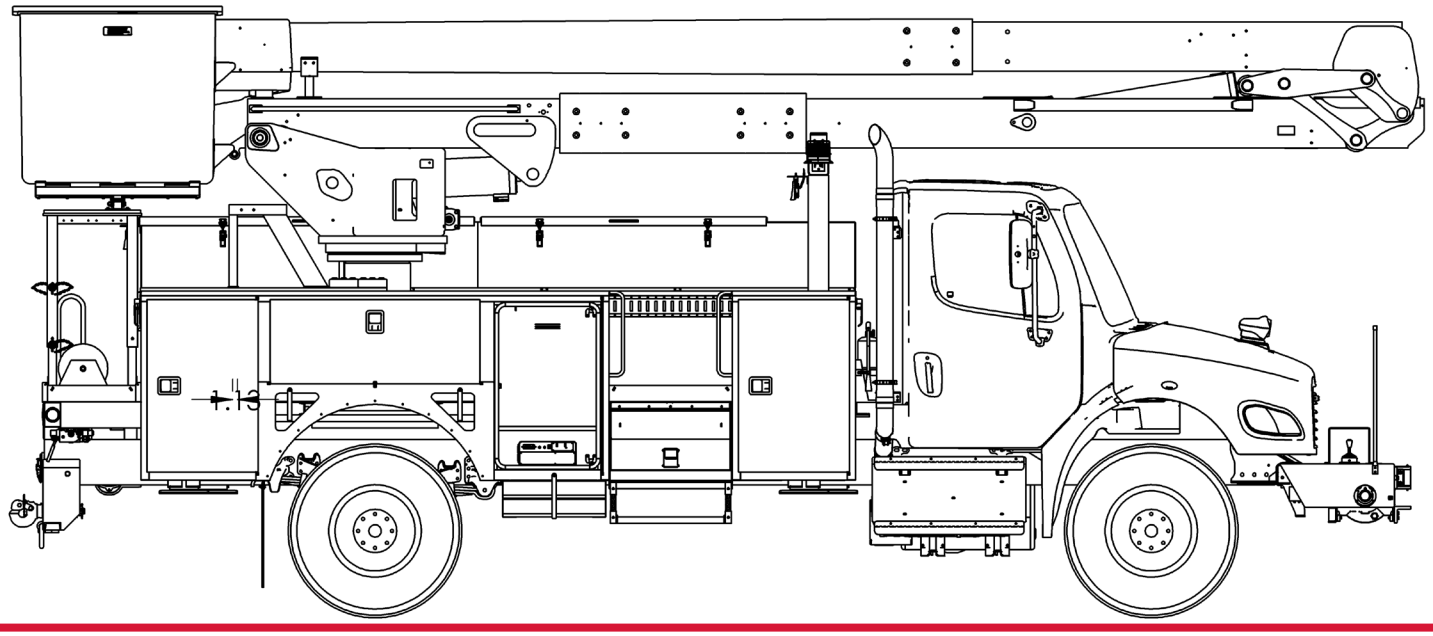
TEREX

TECH TIPS

AERIAL LOAD CHARTS P/N 623144

NO. 22



GENERAL KNOWLEDGE
AERIAL LOAD CHARTS

MODEL(S):
AERIAL UNITS USING LOAD CHART 623144

TOOLS NEEDED:
NONE

TEREX UTILITIES TECHNICAL SUPPORT TEAM
PHONE: 1-844-TEREX4U (1-844-837-3948) | **EMAIL:** UTILITIES.SERVICE@TEREX.COM

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.

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TECH TIP#22

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 720 lbs. Performing a dry run, the operator determined the boom angles required to move and place the transformer.

TEREX UTILITIES

RMX 75 JIB AND BASKET CAPACITIES

Upper Boom Angle	Jib Capacity at Load Radius Shown		
	0-2'	2-4'	4-6'
-60	1700	850	560
-30	870	790	560
0	780	660	560
15	750	660	560
30	1060	850	560
45	1670	850	560
60	1700	850	560
65	1700	850	560
70	1700	850	560

1) Capacities are in pounds
2) Load radius is the horizontal distance from basket shaft to winch line
3) If upper boom is between angles shown, use lower jib capacity
4) Platform capacity is 700. Jib capacities are independent of platform load
5) No material handling directly over lower boom or past 90 degrees

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Load Radius	1 foot	**Liner**	60 lbs.
Operator 1	190 lbs.	**Operator 2**	210 lbs.
Tools	40 lbs.	**Transformer**	720 lbs.
Upper Boom Angle	15° to 60°		

STEP 2

Determine if the load in the platform is within capacity.

Using the load chart, the platform capacity is 700 lbs.

The weight of the Operator 1 + Operator 2 + Liner + Tools = 190 + 210 + 60 + 40 = 500 lbs.

The total weight is less than the platform capacity.

Load Radius	1 foot	**Liner**	60 lbs.
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Tools	40 lbs.	**Transformer**	720 lbs.
Upper Boom Angle	15° to 60°		

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STEP 3

With a load radius of 1 foot, the first column in the load chart will be used.

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Upper Boom Angle	15° to 60°		

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FIGURE 4

STEP 4

The upper boom angle ranges from 15 to 60 degrees. Referencing the load chart the minimum capacity in this range is 750 lbs. The minimum capacity is greater than the weight of the transformer, the load can be lifted.

Note: The load chart indicates that jib capacities are independent of platform load. Any excess platform capacity cannot be added to the jib.

Load Radius	1 foot	**Transformer**	720 lbs.
Upper Boom Angle	15° to 60°		

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FOR FURTHER ASSISTANCE,
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