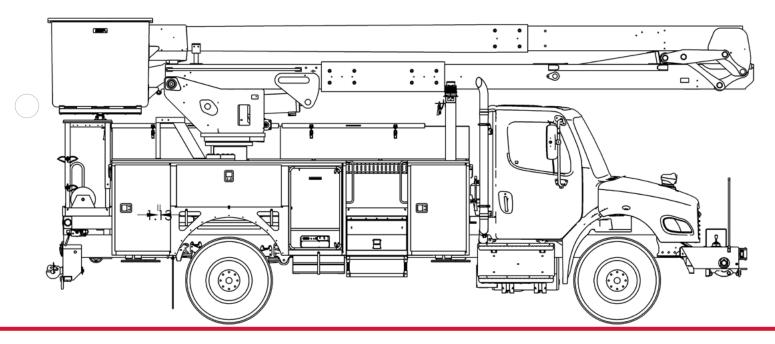
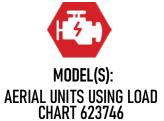


AERIAL LOAD CHARTS P/N 623746











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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.



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CONTENTS

TECH TIP#181

TOC





| Determine weight within platform

STEP 2



| Zone A and Zone B

STEP 3



|Load Radius

STEP 4



| Upper boom angle

STEP 5

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

OVO GITG	'						
	TEREX UTILITIES						
	OPTIMA HRX60 JIB CAPACITIES						
	JIB		AT LOAD R	ADIUS SHO			
Upper		Zone A		Zon			
Boom		Boom to 11		LB Over			
Angle	0-2'	2-4'	4-6'	0-2'	2'+		
-60	1410	750	500	910	500		
-30	610	580	500	180	170		
0	580	560	500	100	90		
30	730	700	500	270	260		
60	1500	750	500	1180	500		
90	1230	750	500	1230	500		
120	160	160	160	160	160		
150	0	0	0	0	0		
180	0	0	0	0	0		
1) Capacities are in pounds 2) Load radius is the horizontal distance from basket shaft to winch line 3) See lower boom angle indicator for correct zone 4) If upper boom is between angles shown, use lower jib capacity 5) Plaform capacity is 600. Capacities are independent of platform load							
	PN 623746B						

Load Radius	3 feet	Liner	80 lbs.
Operators	180 lbs. 260 lbs.	Tools	120 lbs.
Transformer	415 lbs.	Lower Boom Angle	97 degrees
Upper Boom Angle	55 degrees		

Determine if the load in the platform is within capacity. Using the load chart, the platform capacity is 600 lbs. The weight of the Operators + Liner + Tools = 180 + 260 + 80 + 120 = 640 lbs. The total weight is greater than the platform capacity.

The operator removed 60 lbs. of tools to get within platform capacity.

Load Radius	3 feet	Liner	80 lbs.
Operators	180 lbs. 260 lbs.	Tools	120 lbs.
Transformer	415 lbs.	Lower Boom Angle	97 degrees
Upper Boom Angle	55 degrees		

TEREX UTILITIES OPTIMA HRX60 JIB CAPACITIES						
	JIB	CAPACITY	AT LOAD R	ADIUS SHO	WN	
Upper		Zone A		Zone B		
Boom	Lower	Boom to 11	0 deg	LB Over	110 Deg	
Angle	0-2'	2-4'	4-6'	0-21	2'+	
-60	1410	750	500	910	500	
-30	610	580	500	180	170	
0	580	560	500	100	90	
30	730	700	500	270	260	
60	1500	750	500	1180	500	
90	1230	750	500	1230	500	
120	160	160	160	160	160	
150	0	0	0	0	0	
180	0	0	0	0	0	

2) Load radius is the horizontal distance from basket shaft to winch line

4) If upper boom is between angles shown, use lower jib capacity
5) Plaform capacity is 600. Capacities are independent of platform load

3) See lower boom angle indicator for correct zone

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1) Capacities are in pounds

An indicator light on top of the lower controls will be ON when the lower boom is greater than 110 degrees – indicating Zone B must be used. **Figure 3**

According to the table, the lower boom is at 97 degrees. This means we'll be using Zone A of the load chart.. **Figure 4**

SHINING LIGHT AT LOWER CONTROLS MEANS USE ZONE 'B' JIB CAPACITY ONLY.

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FIGURE 3

TEREX UTILITIES OPTIMA HRX60 JIB CAPACITIES JIB CAPACITY AT LOAD RADIUS SHOWN						
Upper	Zone A			Zone B		
Boom	Lower	Boom to 11	0 deg	LB Over 110 Deg		
Angle	0-21	2-41	4-6'	0-2'	2'+	
-60	1410	750	500	910	500	
-30	610	580	500	180	170	
0	580	560	500	100	90	
30	730	700	500	270	260	
60	1500	750	500	1180	500	
90	1230	750	500	1230	500	
120	160	160	160	160	160	
150	0	0	0	0	0	
180	0	0	0	0	0	

2) Load radius is the horizontal distance from basket shaft to winch line

4) If upper boom is between angles shown, use lower jib capacity
5) Plaform capacity is 600. Capacities are independent of platform load

3) See lower boom angle indicator for correct zone

FIGURE 4

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1) Capacities are in pounds

The load radius is 3 feet. Based on this load radius, we will be using the center column in Zone A.

Load Radius	3 feet	Transformer	415 lbs.
Lower Boom Angle	97 degrees	Upper Boom Angle	55 degrees

TEREX UTILITIES OPTIMA HRX60 JIB CAPACITIES						
Zone A			Zone B			
Lower	Boom to 11	0 deg	LB Over 110 Deg			
0-2'	2-4'	4-6'	0-2'	2'+		
1410	750	500	910	500		
610	580	500	180	170		
580	560	500	100	90		
730	700	500	270	260		
1500	750	500	1180	500		
1230	750	500	1230	500		
160	160	160	160	160		
0	0	0	0	0		
0	0	0	0	0		
	Lower 0-2' 1410 610 580 730 1500 1230 160	OPTIMA HRX60 JIB CAPACITY Zone A Lower Boom to 11 0-2' 2-4' 1410 750 610 580 580 560 730 700 1500 750 1230 750 160 160 0 0	OPTIMA HRX60 JIB CAPACI JIB CAPACITY AT LOAD R Zone A Lower Boom to 110 deg 0-2' 2-4' 4-6' 1410 750 500 610 580 500 580 560 500 730 700 500 1500 750 500 1230 750 500 160 160 160 0 0 0	OPTIMA HRX60 JIB CAPACITIES JIB CAPACITY AT LOAD RADIUS SHO Zone A Zone Lower Boom to 110 deg LB Over 0-2' 2-4' 4-6' 0-2' 1410 750 500 910 610 580 500 180 580 560 500 100 730 700 500 270 1500 750 500 1180 1230 750 500 1230 160 160 160 160 0 0 0 0		

2) Load radius is the horizontal distance from basket shaft to winch line

4) If upper boom is between angles shown, use lower jib capacity
5) Plaform capacity is 600. Capacities are independent of platform load

3) See lower boom angle indicator for correct zone

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1) Capacities are in pounds

Use the angle indicator located at the upper boom tip to determine the angle of the upper boom. The upper boom angle is listed in the table at 55 degrees. Since 55 is between 30 and 60, the lower jib capacity must be used. The max load than can be lifted in this position is 700 lbs. The 415 lb. transformer can be placed. **Figure 7**

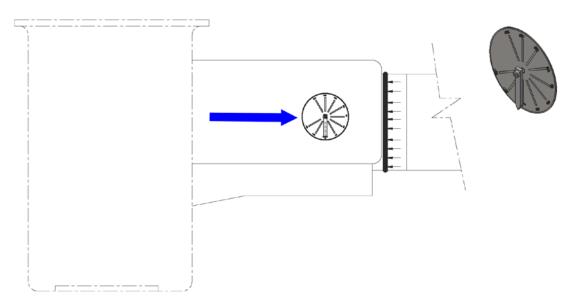


FIGURE 6

TEREX UTILITIES OPTIMA HRX60 JIB CAPACITIES						
	JIB	Zone A	AT LOAD R	ADIUS SHO		
Upper	Lawer	Boom to 11	O do a	LB Over		
Boom Angle	0-21	2-4'	4-6'	0-2'	2'+	
_						
-60	1410	750	500	910	500	
-30	610	580	500	180	170	
0	580	560	500	100	90	
30	730	700	500	270	260	
60	1500	750	500	1180	500	
90	1230	750	500	1230	500	
120	160	160	160	160	160	
150	0	0	0	0	0	
180	0	0	0	0	0	
1) Capacities are in pounds 2) Load radius is the horizontal distance from basket shaft to winch line 3) See lower boom angle indicator for correct zone 4) If upper boom is between angles shown, use lower jib capacity 5) Plaform capacity is 600. Capacities are independent of platform load						

FIGURE 7

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FOR FURTHER ASSISTANCE,
CONTACT THE TEREX UTILITIES TECHNICAL SUPPORT TEAM

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