



NTL4.5-3 LIFTING CAPACITY

BODY LENGTH	BODY OVERHANG	CAB TO AXLE (CA)	CAB TO TRUNNION (CT)	CAPACITY KEY NO. 23	TONS AT DUMP ANGLE BODY & PAY LOAD (3500 P.S.I.)				
					40°	45°	50°	55°	60°
20'	10"		180"		33.5	30	27.5	25	23
20'	16"		174"		35.5	32	29	26.5	24
22'	16"		198"		32	28.5	26	23.5	21.5
22'	22"		192"		33.5	30	27.5	25	23
24'	28"		210"		32	28.5	26	23.5	21.5
APPROXIMATE MOUNTING DISTANCE					161"	144"	131"	120"	110"

"Single Axle" - Capacity based on an evenly distributed load, a 3" truck box to cab clearance and a truck box pivot location 36" behind the center of the truck axle.

"Tandem Axle" - Capacity based on an evenly distributed load, a 3" truck box to cab clearance and a pivot location 53" behind the center of the tandem trunnion.

CAUTION:

The combined weights of the truck chassis hoist and platform (or body) and cargo must not exceed the gross vehicle weight rating (GVWR) of the truck.

To Calculate Lift Capacity

$$\text{Lift} = \frac{\text{M.D.} \times \text{Capacity Key No. (From Table)}}{1/2 \text{ BL} - \text{OH}} = \text{Tons}$$

M.D. - Hoist Mounting Distance (Ins.)

BL - Body Length (Ins.)

OH - Body Overhang (Ins.)