



TL1627 LIFTING CAPACITY

BODY LENGTH	BODY OVERHANG	CAB TO AXLE (CA)	CAB TO TRUNNION (CT)	CAPACITY KEY NO. 9.3	TONS AT DUMP ANGLE BODY & PAY LOAD (3500 P.S.I.)				
					40°	45°	50°	55°	60°
15'	23"	124"			19.5	17.5	16	14.5	13.5
16'	21"	138"	126"		17.5	15.5	14	13	12
18'	27"	156"	144"		16	14.5	13	12	11
APPROXIMATE MOUNTING DISTANCE					143"	128"	115"	106"	98"

"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.)