



# Omaha Standard Dump Body and Hoist Reference Guide

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## Olympic Model 232 SA Specifications

<b>Number of Cylinders</b>	2 - Telescopic
<b>Cylinder Stroke</b>	142.0 inches
<b>Stage Effective Diameters</b>	
1st	5.5 inches
2nd	4.5 inches
3rd	4.0 inches
4 <sup>th</sup>	3.5 inches
<b>Cylinder Action</b>	Single Acting
<b>Cylinder Length</b>	
Retracted	46.25 inches
Extended	188.25 inches
<b>Scissor Height Collapsed</b>	10.25 inches
<b>Height at Mounting Bracket</b>	12.0 inches
<b>Hoist Height Extended (Pin to Pin)</b>	164.0 inches
<b>Pump Options</b>	20 g.p.m. required
<b>Hydraulic Control Valve</b>	3 Way Single Acting
<b>Reservoir Capacity</b>	21 Gal. Min. required
<b>Pump Flow Rate @ 1000 RPM</b>	
Recommended	20 G.P.M.
<b>Max. Operating Pressure/Pump</b>	
Relief Valve Setting (Extend Side)	3250 PSI
<b>Approx. Lift Time @ 20 GPM</b>	60 Sec.
<b>Recommended Chassis</b>	Special Application Only
<b>Recommended Body Length</b>	24.5 feet to 28.5 feet
<b>Mounting Distances</b>	<b>(Rear Hinge to Upper Lift Point)</b>
40°	259 inches
45°	232 inches
50°	210 inches
55°	192.5 inches
<b>Lifting Capacity Range</b>	30 – 68 Tons
<b>NTEA Class</b>	L/120
<b>Approx. Shipping Weight</b>	2000 lbs

# Olympic Model 232 SA Lift Capacity

BODY LENGTH		CAB-TO-TRUNNION		OVERHANG		APPROXIMATE CAPACITY - BODY AND PAYLOAD							
						AT SPECIFIED DUMP ANGLES							
						NTEA CLASS L - CONVERSION HOIST/NTEA CLASS 120 DUMP BODY HOIST							
						40°		45°		50°		55°	
ft.	m.	in.	cm.	in.	cm.	U.S. ton	metric ton	U.S. ton	metric ton	U.S. ton	metric ton	U.S. ton	metric ton
24'6"	7.4	246	625	6	15	47.7	43.3	42.7	38.7	38.5	34.9	35.3	32.1
		234	594	18	46	52.2	47.4	46.7	42.4	42.1	38.2	38.5	34.9
		228	579	24	61	54.5	49.7	48.9	44.4	44.2	40.1	40.4	36.7
		222	564	30	76	57.6	52.3	51.4	46.6	46.5	42.2	42.5	38.6
		216	549	36	92	60.7	55.1	54.2	49.1	49.3	44.5	44.8	40.6
26'6"	8.1	204	518	48	122	68	61.7	60.8	55.2	54.9	49.8	50.2	45.5
		270	686	6	15	44	39.9	39.3	35.7	35.5	32.2	32.5	29.5
		258	655	18	46	47.8	43.4	42.7	38.7	38.5	34.9	35.3	32
		252	640	24	61	49.9	45.3	44.6	40.5	40.3	36.6	36.8	33.4
		246	625	30	76	52.2	47.4	46.7	42.4	42.1	38.2	38.5	34.9
28'6"	8.7	240	610	36	92	54.7	49.6	48.9	44.4	44.2	40.1	40.4	36.7
		228	579	48	122	60.7	55.1	54.2	49.2	49	44.5	44.8	40.6
		294	747	6	15	40.4	36.7	36.5	33.1	32.9	28.9	30.1	27.3
		282	716	18	46	44	39.9	39.3	35.7	35.5	32.2	32.5	29.5
		276	701	24	61	45.8	41.5	40.9	37.1	37	33.6	33.8	30.7
270	686	30	76	47.8	43.4	42.7	38.7	38.5	34.9	35.3	32		
264	671	36	92	49.9	45.3	44.6	40.5	40.3	36.6	36.8	33.4		
252	640	48	122	54.8	49.7	48.9	44.4	44.2	40.1	40.4	36.7		
<b>Mounting Distance (in./cm.)</b>						<b>259 in</b>	<b>658 cm</b>	<b>232 in</b>	<b>589 cm</b>	<b>210 in</b>	<b>533 cm</b>	<b>192.5 in</b>	<b>489 cm</b>

\*Indicates application is not recommended by the factory. For installations other than shown in the above chart consult the factory.

**NOTE:** All lifting capacity ratings are gross load (body and cargo) and are based on proper body length, overhang, mounting distance, and a level load. Assume 3" (7.6 cm.) clearance between front of body and back of cab with a rear hinge location 33" (83.8 cm.) behind the center line of the rear axle for single axle trucks and 45" (114.3 cm.) behind the center line of the trunnion for tandem axle trucks.



**CAUTION:** The combined weight of the truck chassis, hoist, platform, sides, and cargo must not exceed the G.V.W.R. of the vehicle.