

# Ace Mini Roll-Off Trailer

Savings and Additional Potential Revenue Gain  
Over a Roll-off Truck (Straight Truck)

Product of Brother's Equipment, Inc.

800-578-8471



# Legal Payload

<b>Legal Payload</b>	<b>ART-60-25* Tandem Axle w/ Lift Axle</b>	<b>ART-60-27 Tandem w/ Lift Axle</b>	<b>Roll-Off Truck Tandem w/ lift axle</b>
<b>Legal GVW</b>	<b>74,500 GVW</b>	<b>77,000 GVW</b>	<b>65,000 GVW</b>
<b>Unit Weight</b>	<b>12,900 lbs.</b>	<b>13,500 lbs.</b>	<b>8,200 lbs.</b>
<b>Tractor/Truck Weight</b>	<b>17,000 lbs.</b>	<b>17,000 lbs.</b>	<b>20,000 lbs.</b>
<b>40 Yard Container Weight</b>	<b>6,000 lbs.</b>		
<b>Legal Payload</b>	<b>38,600 lbs</b>	<b>40,500 lbs.</b>	<b>21,800 lbs.</b>
<b>Legal Payload Gain</b>	<b>17,600 lbs</b>	<b>18,700 lbs.</b>	<b>N/A</b>

# Legal Payload Continued

	ART-60-25 Tandem	ART-60-27 Tandem w/ Lift Axle	Roll-Off Truck Tandem w/ lift axle
Legal Payload Gain (lbs.) per haul	17,600 lbs.	18,700 lbs.	N/A
HMS #1 Price (Metric Ton) 11/01/2016	\$195.00		
Payload Gain (\$) Per haul	\$1,716.00	\$ 1.823.25	N/A
Payload gain (\$) at (5) hauls a day	\$ 8,580.00	\$ 9,116.25	N/A

# Cost Analysis Between Ace ART-60-25\* & Roll-Off Truck Tandem w/ Lift Axle\*

Cost Difference	ART-60-25*	Roll-Off Truck Tandem w/ lift axle
Cost of New Chassis/Tractor	\$ 120,000.00 +/-	\$ 170,000.00 +/-
Cost Of New Unit *	\$ 47,950.00	\$ 45,000.00 +/-
Total of New Chassis/Tractor & Unit	<b>\$ 167,950.00 +/-</b>	<b>\$215,000.00+/-</b>
Saving On New Tractor & ART-60-25* Over New Chassis & ROTT*		<b>\$ +/- Ea. Unit</b>
Saving On New Tractor & ART-60-25* Over Used Chassis & ROTT*		<b>\$ 47,050.00 +/- Ea. Unit</b>

Based on 2017 Kenworth T880 Day Cab Tractor & Kenworth T880 Double Frame Chassis (Truck)

# Fuel Saving

Fuel Savings	Tractor	Chassis (Truck)
AVG. Miles Per Gallon (MPG)	7-10 MPG	5-7 MPG
AVG. Cost Of Diesel Fuel per Gallon	\$ 2.69	\$ 2.69
AVG. Miles Per Day	200 Miles	200 Miles
Gallons Needed/Day	30-42 Gallons	42 - 60 Gallons
AVG Fuel Cost/Day	\$ 80.70– 112.98 +/-	\$ 112.98-161.40 +/-
AVG. Savings/Day Per Tractor	\$ 32.28 - 48.42 +/-	N/A
AVG. Savings/Tractor/Year @ 50 Operating Weeks/Year	\$8,070.00 – 12,105.00 +/-	N/A

Based on 2017 Kenworth T880 Day Cab Tractor & Kenworth T880 Double Frame Chassis (Truck)

# Maneuverability

- Total length of trailer when in “Up Position” is 12’ from Rear axle of Tractor to center of tandem of the trailer.
- Tractor-Trailer has a hinge, allowing the trailer to get into tighter areas
- Trailer has ability to get into areas a Roll-Off Truck cannot



# Recap Of Cost and Savings

<b>Cost &amp; Savings of ART-60-25*</b>	<b>ART-60-25* &amp; Tractor</b>
<b>Payload Gain Per Haul</b>	<b>17,600 – 18,700 lbs.</b>
<b>Savings on ART-60-25* &amp; New Tractor</b>	<b>\$ 47,050.00 +/-</b>
<b>Fuel Savings Per Tractor per Year</b>	<b>\$8,070.00 – 12,105.00 +/-</b>
<b>Fuel Savings Per Tractor Over 5 Years</b>	<b>\$ 40,350.00 – 60,525.00 +/-</b>