



Driving the Efficiency Revolution

PROTOTYPE DEVICE - OPEN



A long rectangular box is an ideal shape to hold cargo, but it also is the least aerodynamic shape to move at high speeds across US highways. More than half of commercial truck fuel goes toward overcoming the aerodynamic drag of tractor-trailers.

Suction drag at the tail end of a trailer causes the greatest amount of aerodynamic inefficiency still unaddressed by modern trailer designs. ATDynamics TrailerTail™ technology addresses this area of inefficiency by streamlining the air flow at the rear of the trailer and dramatically reducing fuel consumption by thousands of dollars annually.

TrailerTail™

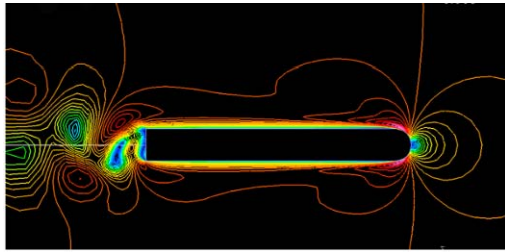
TrailerTail™ devices bring to market leading concepts of aerodynamic efficiency without interfering with driver operations.

TrailerTails™ collapse from 4 feet in length to just a few inches in less than 12 seconds. Patented TrailerTail™ double hinges allow truckers to operate doors and access loading bays normally. Most importantly, TrailerTails™ enhance the safety and performance of the fleets that use them.

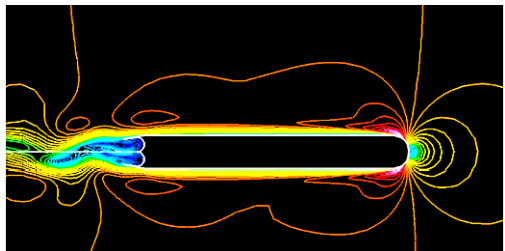
PROTOTYPE DEVICE - CLOSED



TrailerTails™ Streamline the Airflow at the Rear of the Trailer



Airflow without TrailerTail™



Airflow with TrailerTail™

Over 30 years of research, wind tunnel modeling, and on-road testing by research universities, government laboratories and NASA have shown that:

- Drag at the rear of a trailer contributes as much fuel inefficiency as the wind resistance at the front of the tractor
- The TrailerTail™ design will deliver up to **6% increase in fuel efficiency** during highway driving
- Streamlined airflow provides enhanced stability and safety to both truckers and passenger cars

TrailerTails™ Save Fuel:

For every 1,000 trailers outfitted with a TrailerTail™:

- Over **400,000 gallons of fuel** conserved per year (@50K mi/trailer)
- Over **\$1.2mm** saved at the gas pump (\$3.00/gallon)
- Over **9,000,000 pounds of CO₂** reduced from entering the atmosphere as exhaust

TrailerTails™ are Built Trucker Tough.



TrailerTails™ Meet the Needs of Leading Fleet Operators

- TrailerTails™ deliver thousands of dollars of fuel savings per trailer annually – **and each device pays for itself in 1-2 years.**
- TrailerTails™ allows easy and quick access to trailer cargo and do not interfere with shipment loading and unloading.
- Lightweight, rugged panels endure daily wear and driver abuse, yet are designed to ensure smooth opening and closing.
- TrailerTails™ improve the safety, handling and appearance of tractor-trailers and are designed to reduce the dirt, grime or ice build up on a trailers' rear doors.
- TrailerTail™ technology is SAE Tested and EPA SmartWay™ approved for both new and retrofit trailer applications.

Calculate Your Annual Fuel Savings

		Annual Mileage per Trailer		
		40,000	80,000	120,000
Diesel Price (per Gallon)	\$ 2.50	\$ 835	\$ 1,669	\$ 2,504
	\$ 3.00	\$ 1,001	\$ 2,003	\$ 3,004
	\$ 3.50	\$ 1,168	\$ 2,337	\$ 3,505
	\$ 4.00	\$ 1,335	\$ 2,671	\$ 4,006

Expected Fuel Savings at 5.1% Efficiency Gain at 62 mph
(Base Case: 5.5 mpg and 90 % highway driving)



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