



Technologies that improve trailer aerodynamics

Utility engineers have improved the aerodynamic performance of its dry vans and reefers. When tested with low rolling resistance tires, the Utility Aerodynamic Tail and the Utility Side Skirt reduced fuel consumption and aerodynamic drag.

■ Utility Aerodynamic Tail***



Comprised of two black side foils and one single black top foil assembly, the side foils are connected to the swing doors and will deploy and un-deploy when the doors are opened and closed.

■ Utility Side Skirt**



The UV-protected bi-directional Fiberglass Reinforced Plastic (FRP) side skirt is engineered with a unique structural bend design at the bottom of the skirt for improved rigidity.

■ Best-in-class warranty



Our industry-leading 5-year warranty reflects our confidence that the Utility Aerodynamic Tail and the Utility Side Skirt are strong and durable, exceeding current industry standards.

■ Meets EPA regulations**



The Utility Side Skirt has earned approval from the Environmental Protection Agency (EPA) as an aerodynamic device on dry van and refrigerated trailers. The device also exceeds current CARB (California Air Resources Board) requirements.

■ Utility CFD analysis



When tested as a system together, the Utility Aerodynamic Tail and the Utility Side Skirt achieved optimal deflection to disrupt the air over the rear frame, diminish drag, and reduce fuel use.

■ Utility tested and approved



The Utility Side Skirt and Utility Aerodynamic Tail are put through rigorous real-world tests to ensure that they will have the strength and durability to stand up to everyday wear and tear.

■ Built to be strong



The Utility Side Skirt maintains its structural integrity and resists damage from impacts that may occur on the road, and when the trailer is moving at higher speeds.

■ Light weight, intelligent, and strong



Weighing in at only 25 lbs, the Utility Aerodynamic Tail is constructed of a UV-protected thermoplastic composite. Its roof fairing does not interfere with lock rods or rear light areas and meets all D.O.T. photometric requirements.

■ Improved fuel savings



MVT Solutions conducted high-tech testings on the Utility Aerodynamic Tail and Utility Side Skirt. Results showed that when they are combined on a strong light weight Utility trailer, you can save up to 746 gallons of fuel per 100,000 miles.****

* Specifications, data, availability and images are subject to change without notice.

** This bulletin is not intended to provide legal advice or a legal opinion as to the applicability of the California regulation to any particular end use.

*** The USS-120A-4 Side Skirt is standard on Utility's reefers and dry vans. The Utility Aerodynamic Tail (UAT) is an optional upgrade.

**** These calculations are based on recent test results performed by M.V.T.S. and results may vary based on driving conditions and other factors. Fuel-savings are based on the use of both USS-120A-4 Side Skirt and Utility Aerodynamic Tail on a Utility trailer and will potentially vary.