



FUELING EFFICIENCY, EVERY DAY

Stellar® Fuel Trailer Selection Guide



MAXIMIZE PRODUCTIVITY WITH EFFICIENT REFUELING

Whether you're managing a busy farm or overseeing a fleet on a construction site, every minute spent refueling impacts productivity and profitability. The right fuel trailer does more than just transport diesel — it helps your entire operation run smoothly, safely and effectively. By minimizing downtime and keeping you compliant with DOT and hazmat regulations, the right trailer enables quick, on-site refueling, reducing delays, accidents and costly fines.

Stellar® FuelMate® and Elliott fuel trailers are engineered for rugged reliability and safety, with a range of options tailored to meet the unique needs of different industries. Built to withstand the toughest conditions, Stellar's lineup of fuel trailers delivers reliable fueling, no matter your operation size. With Stellar quality and support behind every unit, you can be confident you're choosing a trailer that keeps your operations running at peak performance.

Fueling Solutions for Every Industry

No matter your industry, Stellar's Fuel Trailers are designed to meet the specific fueling needs of your operation, ensuring efficiency and reliability across the board.

- + Agriculture
- + Construction
- + Demolition
- + Equipment Dealer & Repair
- + Forestry & Logging
- + Government & Municipalities
- + Mining & Aggregates
- + Oil & Gas
- + And More



QUESTIONS TO ASK WHEN CHOOSING A FUEL TRAILER

With so many fuel trailer options — from DIY setups to factory-built trailers — it's important to make sure you choose a solution that's right for your operation. Asking the right questions will help ensure you select a fuel trailer that offers efficiency, safety and long-term value.



We value quality. We value efficiency. I view a fuel trailer as a long-term investment. It's not something that we're going to trade off in six months or a year. We wanted something that would serve the operation for a number of years."

Benson Kiel, K&K Farms, Kansas
Stellar 990DLX Deluxe Fuel Trailer owner

[SEE BENSON'S STORY](#)



What diesel capacity do I need to keep my equipment working all day?

Small DIY tanks or undersized trailers often result in multiple trips for fuel, leading to idle equipment and lost productivity. Estimate how many gallons you need on your busiest day, factoring in the number of machines that need fuel. Your trailer should carry enough diesel to fuel everything on-site without requiring a refill, with extra capacity for unexpected demands.

Do I need diesel exhaust fluid (DEF) capacity now — or will I soon?

For Final Tier 4 equipment, which requires DEF to meet emissions standards, having DEF on your trailer makes fueling more efficient. If you don't need it today, think ahead — will your future equipment require DEF? Opting for DEF capacity now can save on retrofitting costs later.

Who can tow my fuel trailer — will I need a CDL hazmat endorsement?

If only certain drivers can tow your trailer, it could create bottlenecks. For commercial fleets, CDL hazmat endorsements can be expensive and time-consuming. [Multi-tank trailers](#) with every 110-gallon tank under hazmat limits help simplify staffing and scheduling.

Note: Farmers are typically exempt from CDL hazmat requirements for hauling their own diesel fuel, provided they meet specific conditions. Always check local laws to confirm any applicable exemptions for agricultural operations.

What's the ROI of upgrading from what I use now?

DIY transfer tanks can be a budget-friendly solution, but as your operation grows, upgrading to a fuel trailer can save you time and reduce downtime. Calculate how much time you spend with your current setup compared to the efficiency of fueling everything on-site with a fuel trailer (transfer tanks are also a viable on-site solution).





Having a fuel trailer has increased our efficiency tenfold. Before we had the trailer, we'd drive all our equipment back to the farm morning and night to service and refuel it. Now we do all that onsite."

Laura Wilson, Laura Farms, Nebraska
Stellar 990DLX Fuel Trailer owner

[VIEW LAURA'S STORY](#)

What features can be customized to fit my unique fueling needs?

The right specs and add-ons can save you valuable time, eliminate unnecessary trips and ensure your trailer is perfectly customized to fit your operation, maximizing efficiency and minimizing downtime.

- + **Pump & Meter Options:** 12V pumps for small operations (25 gpm) or gas-powered pumps for larger equipment (40 gpm).
- + **Reel Lengths:** Options from 25' to 50' reels to reduce repositioning.
- + **Storage:** Keep tools and parts available and secure with lockable cabinets and toolbox systems.
- + **Service Accessories:** Turn your trailer into a mobile service station with air compressors, generators or welders.
- + **Specialized Setups:** Consider fuel-lube combinations for mixed service needs.
- + **Appearance:** Match your fleet's look with custom color options.

Is the fuel trailer built for safety and stability?

Look for trailers certified by the National Association of Trailer Manufacturers (NATM), ensuring compliance with federal safety regulations and industry standards.

Will the fuel trailer hold up in rough conditions with regular use?

While some trailers may seem like a cost-effective option initially, they often fall short in durability, resulting in costly repairs down the line. Choose a trailer with a rugged frame with reinforced bracing, high-quality axles and suspension that evenly distributes weight for long-haul reliability. Corrosion-resistant coatings and rock guard protection ensure your trailer can endure harsh conditions, giving you lasting performance where you need it most.

FIND THE BEST FIT: **WHICH TRAILER IS RIGHT FOR YOU?**

Stellar FuelMate and Elliott Fuel Trailers come in 500-, 750- and 990-gallon capacities, giving you the flexibility to choose the right size for your needs. Whether your equipment is spread across the field, deep on a jobsite or up against a tight deadline, there's a fuel trailer to ensure you have the fuel you need, on hand, to keep everything running smoothly.



FuelMate Economy Trailers

[Stellar FuelMate Economy Fuel Trailers](#) provide a simple, reliable solution to keep your equipment fueled and running efficiently. Available in 500-, 750- and 990-gallon capacities, these trailers are perfect for various applications.

With rugged corner bracing, vibration control and a durable powder-coated finish with rock guard protection, these trailers are built to last. Fully DOT-compliant and equipped with electric brakes for reliable stopping power, they're designed for tough conditions.

Economical yet dependable, these trailers are easy to maintain with independently mounted tanks and can be customized with different fuel pump options or a DEF system. Ideal for smaller operations or those on a budget, they offer a no-frills solution for efficient fuel transport.



FuelMate Deluxe Fuel Trailers

Maximize uptime with [Stellar FuelMate Deluxe Fuel Trailers](#). Available in 500-, 750- and 990-gallon capacities, these models include a front cabinet enclosure for extra storage space for tools and equipment.

Built with reinforced supports, corner bracing and high-quality materials, these trailers are engineered for durability. Fully DOT-compliant, they ensure safe operation, even in remote locations.

These trailers feature vibration control from spring-loaded bolts and the tub baffle system, while electric brakes ensure reliable stopping power. Fully customizable to meet your specific needs, they're built to perform and keep your fueling process efficient and streamlined.





FuelMate Multi-Tank Fuel Trailers

Stellar FuelMate Multi-Tank Fuel Trailers are ideal for hauling large amounts of fuel directly to the worksite, offering a cost-effective fueling solution without the need for a hazmat-certified driver.

The 660MT holds six 110-gallon tanks, while the 880MT features eight. Tanks are baffled and equipped with sight gauges, vented caps and tank breathers. One tank can also be configured for DEF to help meet environmental goals.

Designed for hassle-free transport, these trailers feature individual shut-off valves and separate tank mounting, allowing them to be towed without the need for a specialized driver. This makes them a great choice for both farmers (who are generally exempt from hazmat regulations for hauling their own fuel, provided they meet certain conditions) and commercial users.

Fully DOT-compliant, these trailers are built with high-quality components and feature independent tank mounting for vibration control. Customize with options including oil systems, and easily connect with the adjustable hitch.

Elliott DOT 406 Fuel Trailers

Elliott DOT 406 Fuel Trailers offer safe, compliant and efficient gasoline and diesel fuel transport. With a 990-gallon capacity, these trailers meet DOT 406 and Canada TC 406 regulations, making them perfect for operations across the U.S. and Canada.

Engineered for off-road and remote environments, these trailers feature a heavy-duty tandem-axle platform, the same design used in military-grade applications. Flexible fueling options include 12VDC pumps with battery, as well as onboard equipment like solar chargers, air-powered systems with an air compressor, and DEF systems.

These trailers are designed to support a wide range of fueling and maintenance tasks, ensuring reliability in demanding conditions.



DESIGNED FOR PERFORMANCE: **KEY STELLAR FEATURES**

No Hazmat, No Problem

Stellar's **Multi-Tank Fuel Trailers** are designed to carry high volumes of diesel fuel without requiring a CDL hazmat license endorsement (check applicable laws). Each 110-gallon tank is independently mounted and isolated with separate shutoff valves, keeping every tank under the 119-gallon federal hazmat limit. This allows more drivers to tow the trailer legally, simplifies scheduling and ensures that fuel is always where you need it, when you need it.

Industry-Leading Baffling System

Stellar's exclusive tub baffle system minimizes fuel movement during transport, reducing sloshing that can strain tow vehicles and create safety risks. This innovative system ensures better control, less surge during braking or acceleration and reduced wear on your brake system, improving overall safety and efficiency.

Spring-Mounted Tanks & Leaf Spring Axles

Unlike competitors who weld tanks directly to the frame, Stellar bolts tanks to the frame with spring-loaded mounts. This design allows slight movement as the frame flexes, reducing stress on the tanks, lowering the risk of leaks and enhancing durability in rough terrain. The spring-mounted tanks also provide vibration control, ensuring smoother transport. The use of leaf spring axles further improves performance by distributing weight evenly across both axles, offering a more balanced ride and ensuring a longer service life compared to torsion axles.



STELLAR FUEL TRAILER COMPARISON: SELECTION MADE EASY

SPECIFICATIONS



	ECONOMY FUEL TRAILERS	DELUXE FUEL TRAILERS	MULTI-TANK FUEL TRAILERS	ELLIOTT DOT 406 FUEL TRAILERS
Diesel Capacity	500, 750, 990 gal	500, 750, 990 gal	660 gal (6×110) or 880 gal (8×110)	990 gal gas or diesel
DEF Capacity	Optional 100-gal stainless	Optional 100-gal stainless	Optional 110-gal stainless	Optional 55-gal to 100-gal
Length	17'	18'7"	660=15'6" 880=17'7"	178"
Width	6'7"	6'7"	6'7"	96"
Height	500=4'4" 750=5'2" 990=6'	6'1"	6'4"	85"
Hose Reel	1" x 25' (12V) or 35' (gas)	1" x 25' (12V) or 50' (gas)	1" x 50'	Spring rewind, 50' of .75"
Tires	235/80R16 E	235/80R16 E	235/80R16 E	ST255/85R16BE-USA Load Range E
GVWR	13,200 lbs	13,200 lbs	13,200 lbs	14,000 lbs
Dry Weight	2,890 – 3,610 lbs	3,490 – 4,300 lbs	4,100 – 4,700 lbs	4,000 – 4,500 lbs

STANDARD FEATURES



	ECONOMY FUEL TRAILERS	DELUXE FUEL TRAILERS	MULTI-TANK FUEL TRAILERS	ELLIOTT DOT 406 FUEL TRAILERS
Dual 6,000-lb spring axles with electric brakes	X	X	X	X
7,000-lb manual jack	X	X	X	X
54" weather-resistant lockable cabinet with gull-wing doors		X	X	
Hanging drawer system (two 3" drawers and one 5" drawer)		X	X	
Aluminum pump equipment cabinet				X
Safety chains	X	X	X	X
Adjustable height hitch	X	X	X	X
Aluminum wheels	X	X	X	
Steel wheels				X
DOT-compliant LED lighting	X	X	X	X
Two LED floodlights		X	X	Optional
Two-part primer powder/powder coating process	X	X	X	
Rock guard coating on fenders and frame	X	X	X	
Spring-mounted internal tub-baffled tank	X	X	X	
Spring-mounted elliptical-style tank				X

STANDARD FEATURES (CONT.)



	ECONOMY FUEL TRAILERS	DELUXE FUEL TRAILERS	MULTI-TANK FUEL TRAILERS	ELLIOTT DOT 406 FUEL TRAILERS
Reinforced tread plate fenders with access steps	X	X	X	
Steel fenders, no steps				X
5" x 2" tubular steel frame	X	X	X	
DOT 406 or TC 406 certified tank				X
12VDC powered fuel pump				X (optional solar charger; battery is standard)

FUEL PUMP OPTIONS

	ECONOMY FUEL TRAILERS	DELUXE FUEL TRAILERS	MULTI-TANK FUEL TRAILERS	ELLIOTT DOT 406 FUEL TRAILERS
Gas-powered 5.5 hp motor with 2" pump; capable of 40 gpm; dual-filter system with high-flow auto nozzle	X	X	X	X
12V pump capable of 25 gpm; single-filter system with auto nozzle	X	X		X
12V DEF pump capable of 8 gpm; DEF filter and on-board battery	X	X	X	X

OPTIONAL UPGRADES



	ECONOMY FUEL TRAILERS	DELUXE FUEL TRAILERS	MULTI-TANK FUEL TRAILERS	ELLIOTT DOT 406 FUEL TRAILERS
Air compressor or combination air compressor/ generator		X	X	
½" x 50' air reel		X	X	
Spare tire carrier and tire	X	X	X	X (spare tire carrier comes standard)
Full drawer set with four 3", two 5" and one 7" drawers		X	X	
Solar battery charger	X	X	X	X
12V electric jack		X	X	
Rear cabinet		X	X	
V-nose cabinet		X	X	



CONFIDENCE IN YOUR CHOICE

When you choose Stellar, you're choosing a legacy of excellence. As a 100% employee-owned manufacturer of top-quality work trucks, trailers and accessories, Stellar has been building reliable, high-performance equipment since 1990. With over 35 years of proven field service experience, you can trust that every fuel trailer is engineered to perform when it matters most.

All Stellar Fuel Trailers are fully DOT-compliant and come with a 3-year limited warranty, giving you peace of mind in your investment. Backed by a dedicated [customer support](#) team, a [Parts Distribution Center](#) that ships most parts within 24 hours and a growing network of trusted [distributors](#), Stellar ensures you receive exceptional service long after the sale.





CONFIGURE YOUR IDEAL TRAILER



Talk with a [Stellar representative](#) or your local distributor today to configure a trailer that's perfectly tailored to your operation. Discover firsthand why countless farmers and fleet managers rely on Stellar to keep their equipment running efficiently, day after day. With Stellar, you're not just buying equipment — you're investing in unmatched performance, durability and the peace of mind that comes with a trusted industry leader.

To speak with a fuel trailer expert about your needs,
call Stellar at [877.987.3077](tel:877.987.3077) or [contact us now](#).

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