



CATEC

Composite Advanced Technologies

Compressed Gas Transport & Storage Solutions

HIGH-PRESSURE HYDROGEN TYPE IV TECHNOLOGY

Maximized Performance

Up to 500% more gas vs. steel tube trailers. All vessels are designed for a service pressure of 4,000 psi and burst pressures approaching 10,000 psi. Our modules can carry over 1,000 kg of high-pressure Hydrogen.

Lightweight

High-strength carbon fiber reinforced, ultra-lightweight Type IV pressure vessels, built to ISO 11515, and certified under US DOT and Transport Canada regulations.

Cost Savings

High capacity and optimum pressure equate to lower operating expenditure per kg of Hydrogen delivered.

Manufactured in Houston, TX





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HIGH-PRESSURE HYDROGEN TRAILER SPECIFICATIONS

	CT-0840	CT-0853
Approval	US DOT & Transport Canada	
# of Cylinders	4x 2,890 L & 4x 6,925 L	8x 6,925 L
Hydrogen Capacity	lbs. (kg) 1,774 (805)	2,504 (1,136)
Water Capacity	gal. (L) 10,371 (39,260)	14,635 (55,400)
Service Pressure	psi (bar) 4,000 (275)	
Service Temperature	°F (°C) -40 to 180 (-40 to 82)	
Trailer Tare Weight	lbs (kg) 40,709 (18,465)	45,397 (20,591)
Fully Loaded Weight	lbs (kg) 42,483 (19,270)	47,901 (21,727)

Learn more about our products



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