

BRENT

AVALANCHE® 96-SERIES
DUAL-AUGER GRAIN CARTS



2096 • 1596 • 1396 • 1196

When you're ready **for the best**


UNLEASH THE POWER OF AVALANCHE®

Brent® Avalanche® grain carts have set powerful standards for unloading speed, convenience, capacity and durability since 1998. That record of commitment continues with the 96 series.

In addition to the industry's first pivoting unloading auger, the 96 series adds greater unloading convenience with hydraulic-operated downspout functions. And the cushioned tongue suspension provides added operator comfort in the roughest fields.

The Avalanche cart's exclusive drivetrain design combines a belt-driven 20"-diameter floor auger with a heavy-duty, direct-drive 90° gearbox for the 24" (2096)- or 22"-diameter vertical auger (all other models) for unloading speed up to 1,000 bushels (25.5 mt) per minute! The latched cover opens easily for drivetrain access.





Pivoting auger with more than five feet of hydraulically controlled height adjustability — from 15'3" to 9'7" (depending on model) — and extendable reach— up to 8'5" from the cart —for precise grain placement.

Multi-directional downspout with in/out and left/right movement for optimum grain placement control.

A field stand provides a quick return to the working position. For road transport and space-efficient storage, the stand folds down on models 1596, 1396 and 1196, allowing the auger to store parallel with the lower auger.

The patented, self-aligning rubber-cushioned Soft-Start auger mechanism ensures a smooth and complete engagement of the upper and lower augers at start-up for reduced stress and longer driveline life. Flighting is synchronized so the upper and lower portions align perfectly for optimum unloading speed.





Models 2096 and 1596
five-function remote
adds controls for auger
folding and flow control.



The optional remote control
auger operation for the 1396
and 1196 provides easy auger
raise/lower, downspout left/
right and front/rear for one-
stop unloading into each
trailer compartment, saving
tractor driveline wear and tear.



The hinged horizontal
cleanout door with
single-point opening
features over-center
locking for quick and
easy cleanout.



A rollover tarp is standard
for protecting load contents.
Optional electric open/close
operation for quick response
to changing weather
is available.



CONVENIENCE

Brent Avalanche 96-series grain carts lead the industry in grain-handling convenience and efficiency. Steep-sloped interior sidewalls and single-point cleanout ensure fast, complete unloading. Model capacities are 2,000, 1,500, 1,300 and 1,100 bushels.



A narrow transport width, DOT-approved high-intensity LED taillight package, sidemarker lights, along with reflective striping, SMV emblem and transport chain all meet the strictest state requirements for unsurpassed transport safety.

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The rubber-cushioned suspension between tongue and chassis on all models ensures a smooth ride over the roughest terrain.



The rubber-cushioned suspension compresses to remove the load shock when traveling over ridges, rocks and uneven ground. All models also feature a cast 2" single-tang hitch with chamfered opening that provides oscillation that allows the cart to follow the terrain for smooth trailing.



Walking-tandem duals for models 1396 and 1196 trail easily through the field and feature independent operation from front to rear for smoother maneuverability over rough terrain. Wheels can be adjusted to match 30" or 36" row spacings. Hinged, swing-out wheel assembly greatly simplifies maintenance.



Single, high-flotation wheels for reduced compaction available for models 1396 and 1196 are constructed to the greatest standards for durability. The cart's design allows the wheels to be closer to the body for a low center of gravity and transport width as narrow as 12' 2".



UNDERCARRIAGE

Brent Avalanche 96-series grain carts can be equipped with the industry's leading variety of undercarriage choices to meet your specific needs.



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The Equalizer® track from Unverferth features the industry's widest belt — 42" — for enhanced maneuverability and greater flotation. Its wide belt with shallow tread design provides 15% greater footprint yet retains a compact length for easier turning and minimal berming. Cast pivoting midrollers on each track assembly are on the same plane as the main idler wheels for optimum flotation. The patented pivot allows for bi-directional rotation of the track for better contact with the ground on uneven terrain. Available in 131" length with four midrollers or 148" length with eight midrollers depending on model. An autogreaser is standard for greater productivity.



Traditional tracked undercarriages feature 40"-diameter steel idler wheels, pivoting bogie wheels and hydraulic tensioning for easy maintenance and optimum performance. 36" x 148" tracks with eight pivoting bogie wheels per side are available for models 1596, 1396 and 1196. 36" x 131" rubber-cleated tracks with 40"-diameter steel idler wheels and four pivoting bogie wheels per side are also available for the model 1196.



Steerable tandem undercarriage on models 2096 and 1596 turn in unison with the tractor for enhanced maneuverability. The oscillating tandems keep all four wheels on the ground to keep the weight spread evenly for increased flotation. For easy backing and turning, the hydraulic overdrive can be actuated by the operator and includes an incremental gauge for determining wheel direction.



The steerable tandem axle design for model 2096 Avalanche grain cart features a patented para-link design and centralized grease bank for easier maintenance.





UNDERCARRIAGE

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ACCESSORIES

Brent Avalanche 96-series grain carts lead the industry in available accessories to meet your specific needs.



Side- and rear-mounted cameras connect to a 5.6" cab-mounted color monitor for full vision during loading and unloading, backing, turning and road travel.



A hydraulic jack option is available for effortless cart parking.



Hydraulic brakes available with the steerable tandem undercarriage work in conjunction with tractors equipped with hydraulic braking option for enhanced towing control.



The automatic greasing system applies a smaller amount of grease more frequently for ideal undercarriage lubrication.

The 1/2-gallon (2 liter) reservoir provides up to 60 hours of lubrication for a model 2096 steerable tandem undercarriage and up to 160 hours for all other tracked and steerable undercarriages. Main pivot points on both tracks and steerable tandems are lubricated.



UHARVEST® DATA MANAGEMENT

UHarvest® data management system provides full ISOBUS terminal or tablet operation while it automatically stores detailed information about each load. Easily track grower, farm, field, crop, variety, truck ID and destination for enhanced crop insurance reporting and farm management. Data can be transferred to an office computer, or wirelessly uploaded to the included Slingshot® account. Includes combine verify feature for easy calibration.

Options include a moisture sensor for precise dry-bushel weight for greater detail and Accu-load for precisely unloading a predetermined weight into each truck.

UHARVEST LITE SCALE SYSTEM

The UHarvest Lite scale system offers complete ISOBUS grain cart scale operation for quick, convenient and accurate weighing of every bushel loaded. Each load weight is easily viewed on the tractor's virtual terminal.

- Accu-Save feature automatically registers each load and displays up to 400 unloading events showing weight, date and time that are easily viewed on the tractor's virtual terminal.
- Hitch-weight monitoring for easily managing load balance between cart and tractor for optimum field control
- Combine verify feature for easy calibration
- Works with any brand of ISOBUS VT monitor



UHarvest data system

WEIGHING SOLUTIONS

A 5-point weigh system (two on each side of the axle, one on the tongue) provides the most accurate weight information on carts with tracks, walking tandems and high-flotation single wheels. The cab-mounted console has a large LCD screen for easy viewing, even in the brightest light.

The model 410 is standard on model 1396 and optional on the 1196, optional on others, and is specifically designed for ease of use and maximum productivity with its start/stop button. It can also be equipped with a printer for a hard-copy record or a memory downloader for easily downloading data to your office computer.

The model 520 is standard on models 2096 and 1596 which automatically logs the amount unloaded and features management-rich functions such as large, multi-line display with 26-character input for downloading field information from your computer to the scale for easily recording field data; includes USB drive and software.

Optional, patent-pending auto-unload feature allows you to unload predetermined weights by truck or wagon for more easily complying with local weight limitations.



Model 410



Model 520

OPERATOR EASE

Brent® carts feature many standard items that make harvest as operator-easy and convenient as possible as well as make the most of your investment. Items such as 7/16"-thick edge extended wear fighting for longer life.

The reinforced gusset design, tubular steel mainframe, 12-gauge steel shell and special alloy, stress-resistant steel spindles also mean greater durability. All Avalanche® carts feature a long-lasting finish in your choice of tractor-red or -green and silicone-sealed seams for optimum corrosion resistance.

Unloading augers are equipped with two LED spotlights for brightness and longer life, and a steel bumper for minimizing damage to truck.



Hydraulic accumulator allows the unloading auger to smoothly pivot into position, up or down.



A hinged, easy-to-open vertical auger cleanout door for complete cart cleanout for long-term storage and reduced maintenance.



The hydraulic hose storage plus color-coded and labeled hoses mean a more convenient hookup and extended hose life. All electrical wiring is enclosed in mesh wrap with a weather-resistant storage socket for longer life. Operator ease is maximized with the front-mounted viewing ladder and windows.





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Avalanche® Grain Cart Specifications

Model	2096	1596	1396	1196
Capacity – Bushels (mt)	2,000 (51)	1,500 (38)	1,300 (33)	1,100 (28)
Unloading Speed bu/mn (mt/min)	1,000 (25,4)	850 (21,6)	850 (21,6)	850 (21,6)
Appx. Empty Weight, Wheeled - lbs. (kg)	32,700 (14,832)	25,200 (11,430)	18,975 (8,607)	15,950 (7295)
Approx. Empty Tongue Weight - lbs. (kg)	4,000 (1814)	3,800 (1723)	3,550 (1610)	3,380 (1533)
Approx. Loaded Tongue Weight - lbs. (kg)	6,000 (2722)	5,500 (2495)	5,375 (2438)	5,200 (2395)
Tire Size	900/60x38 steerable tandem	900/60x32 steerable tandem	520/85x42 walking tandem	520/85x42 walking tandem
Overall Width – Including Tracks (m)	13'11" (4,24)	13'2" (4,01)	13'7" (4,14)	12'3" (3,73)
Width with 1250/50x32 Tires	–	–	14'2" (4,32)	14'2" (4,32)
Width with 1050/50x32 Tires	–	–	–	13'4" (4,06)
Width with 650/65x42 Walking Tandem	–	–	13'5" (4,08)	13'5" (4,08)
Overall Length (m)	37'11" (11,56)	34'1" (10,39)	30'10" (9,39)	30'10" (9,40)
Transport Height With Tarp (m)	12'11" (3,94)	12'6" (3,81)	12'6" (3,81)	11'10" (3,61)
Height Loading Side (m)	11'6" (3,51)	11'1" (3,38)	11'7" (3,53)	10'5" (3,18)
Auger Height To Bottom Of Spout - Adj. (m)	15'3" - 9'7" (4,65 - 2,92)	15'3" - 10'3" (4,65 - 3,12)	15'3" - 10'3" (4,65 - 3,12)	15'3" - 10'3" (4,65 - 3,12)
Auger Reach – Adj. (m)	8'5" - 5" (2,57 - 1,54)	8'5" - 5" (2,57 - 1,54)	8'5" - 5" (2,57 - 1,54)	8'5" - 5" (2,57 - 1,54)
Vertical Auger Diameter (m)	24" (60,96)	22" (55,88)	22" (55,88)	22" (55,88)
Horizontal Auger Diameter (m)	20" (50,8)	20" (50,8)	20" (50,8)	20" (50,8)
Min. Tractor H.P. Requirements	4WD - 400+	300+	250+	225+
Loaded Ground Pressure P.S.I. (bar)*				
42" x 148" Equalizer Tracks (kgf/cm ²)	15.81 (1,11)	11.93 (.84)	11.30 (.79)	–
36" x 148" Tracks (kgf/cm ²)	–	14.03 (.99)	13.29 (.93)	10.00 (.70)
42" x 131" Equalizer Tracks (kgf/cm ²)	–	–	13.69 (.96)	10.13 (.71)
36" x 131" Tracks (kgf/cm ²)	–	–	–	12.66 (.89)
520/85x38 Walking Tandem Duals (kgf/cm ²)	–	–	–	19.80 (1,39)
520/85x42 Walking Tandem Duals (kgf/cm ²)	–	–	24.06 (1,69)	18.78 (1,32)
650/65x42 Walking Tandem Duals (kgf/cm ²)	–	–	22.34 (1,57)	17.06 (1,20)
900/60x38 Steerable Tandem (kgf/cm ²)	27.39 (1,93)	–	–	–
30.5x32 Steerable Tandem (kgf/cm ²)	–	15.28 (1,09)	–	–
800/65x32 Steerable Tandem (kgf/cm ²)	–	23.87 (1,68)	–	–
900/60x32 Steerable Tandem (kgf/cm ²)	–	20.61 (1,45)	–	–
1250/50x32 Singles - 201A8 LI (kgf/cm ²)	–	–	22.01 (1,55)	–
1250/50x32 Singles - 188A8 LI (kgf/cm ²)	–	–	–	17.86 (1,26)
1050/50x32 Singles (kgf/cm ²)	–	–	–	21.28 (1,50)
35.5x32 Singles - 193A8 LI (kgf/cm ²)	–	–	–	26.80 (1,88)

*Calculated at 3"-soil penetration level

See your nearest Brent products dealer today for complete details on all the 96 series models or visit the website at brentequip.com

Due to continuing improvements in the design and manufacture of Unverferth products, all specifications contained herein are subject to change without notice.

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Please remind all family members to use caution and follow recommended safety practices when around all farm equipment. Unverferth Mfg. Co., Inc. supports the efforts of Farm Safety 4 Just Kids.



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