X-tended Reach
32 Series Dual Auger Grain Cart

Dual Augers Designed to the NEXT LEVEL

Models 1132 • 1432 • 1832 • 2032 • 2332

Dual Augers Designed to the NEXT LEVEL

J&M's new 32 Series X-Tended Reach grain carts take dual auger designs to the next level by combining all the advantages of a single auger front folding design with the low profile of a dual auger grain cart.

The vertical unloading auger features a front-folding X-Tended Reach design, providing greater upward, outward and forward reach for superior operator visibility and reduced fatigue. A 22" diameter auger, reinforced at critical wear points and 7/16" MaxEdge flighting with 15" pitch at intake, provides maximum unloading speed and durability. The patented telescoping Side-Shooter Flow Control Spout allows for precision placement of the grain while unloading, reducing the chance of spilling and ensuring an easy and complete fill of the trailer every time.

The 20" horizontal auger is powered by a reliable direct drive, double gearbox design. No need to hassle with belts, sprockets or pulleys that can cause problems and add to maintenance costs. Instead of the horizontal auger simply dropping the grain into a sump to be unloaded by the vertical auger, the horizontal floor auger is designed at the base of the vertical auger to smoothly transfer the grain, easing the transition angle and damaging less grain while unloading.

The 1,150 - 2,300 bushel tank designs feature a much lower profile than competitors, making it easy for the combine auger to fill, even on extreme terrain. Large flotation tires, walking tandem dual wheels and a durable track system are available to fit your precise farming situation

Take your farming to the next level with a front folding 32 Series X-Tended Reach dual auger grain cart designed to maximize your harvesting efficiency.

Low Profile

The 32 Series dual auger grain carts offer the lowest profile design on the market, providing maximum clearance for the combine auger and a lower center of gravity for added stability over uneven terrain.

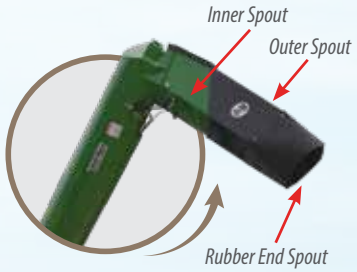
High Performance

The patented X-Tended Reach design also offers greater upward, outward and forward reach, allowing the operator greater visibility while unloading. The extended side reach allows the operator greater performance, allowing the auger to reach across the ditch and keep the trailer out of the field during softer field conditions.

Telescoping Side-Shooter Flow Control Spout

The patented hydraulic flow control spout allows the operator to precisely place grain across the trailer. The Side-Shooter design positions the spout perpendicular to the trailer so all four corners can be easily filled!

The telescoping spout features a three part design that extends outward for maximum side reach and retracts when in the downward position to maintain maximum unloading height. Each of the three sections can be easily removed or added to offer multiple combinations of height and reach to fit your particular unloading need.



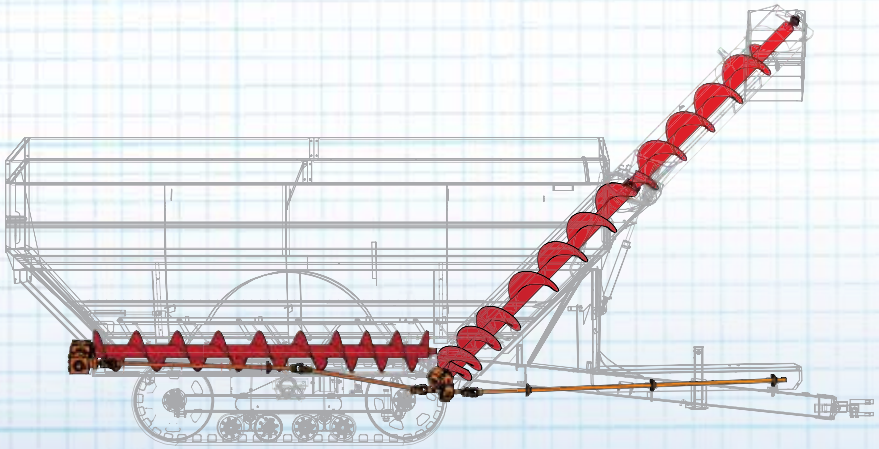
Unload Position

Field Position

Storage Position

FRONT FOLD DESIGN

32 Series Dual Auger Advantages

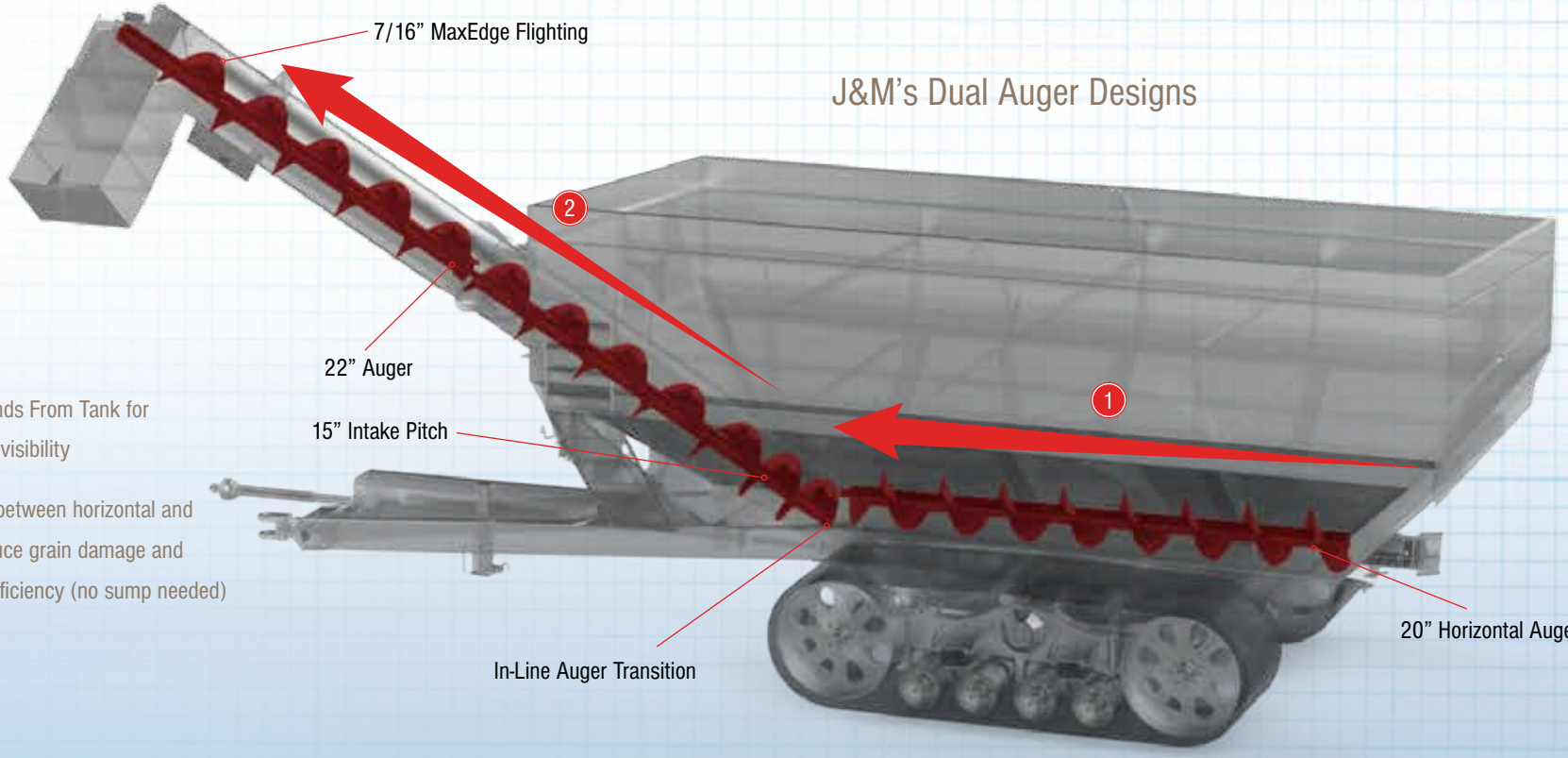


Direct Drive Design

Typical dual auger grain carts utilize costly belts, sprockets or pulleys that can cause problems and increase maintenance expense. The 32 Series X-Tended Reach Grain Cart features a powerful direct drive design with dual gearboxes to maximize unload efficiency and performance, year after year.

Maximum Performance

J&M's Dual Auger Designs



- Unload Auger Extends From Tank for maximum operator visibility
- Smooth Transition between horizontal and vertical augers reduce grain damage and increases unload efficiency (no sump needed)

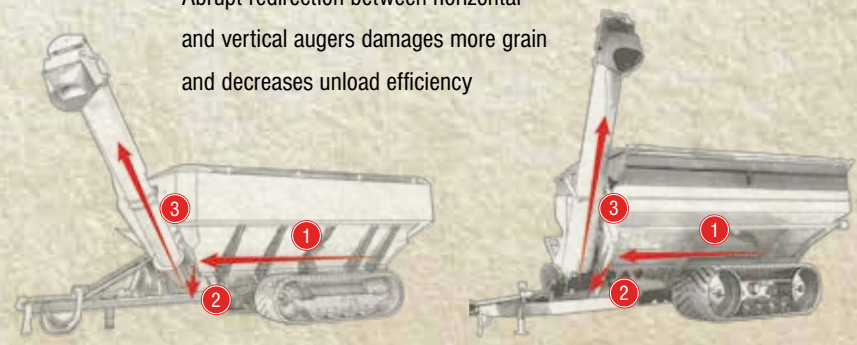
Smooth Transition

Many competitor dual auger grain cart designs move grain from the tank to the unload auger in three directions. First the grain is moved horizontally across the floor of the tank. Second, the grain is dropped downward into a sump. Third, the grain is severely redirected into the unload auger. This increases the potential to damage grain and decreases unloading efficiency.

J&M's dual auger design places the vertical unloading auger inside the tank and at the base horizontal floor auger, eliminating the need for a sump. Since the unloading auger extends from the tank and towards the tractor cab, and not at a perpendicular angle towards the side , the redirection and damaging of grain is minimized and the unloading process is more efficient.

Competitor's Dual Auger Designs

- Abrupt redirection between horizontal and vertical augers damages more grain and decreases unload efficiency



32 Series Dual Auger Advantages

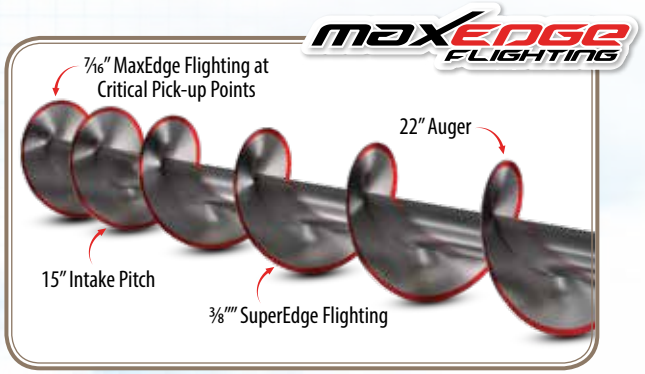
Heavy-Duty Gearbox

2" output shaft and industry best bearing ratings ensure maximum performance and durability.

J&M Heavy-Duty Gearbox
362 HP Static/168 HP Dynamic

Auger Design

Reinforced at critical wear points and 7/16" MaxEdge flighting with 15" pitch at intake, provides maximum unloading speed and durability.



V-Truss Axles & Oversized Spindles

Competitor grain cart axles feature small tubular steel that is prone to bending or I-beam designs that are prone to twisting. This can put premature stress on the rest of the cart. J&M's exclusive V-Truss axles are designed using heavy-duty tubular steel with a reinforced v-tuss design to resists both bending and twisting, protecting the cart from premature wear and tear.

J&M also uses larger 6" spindles compared to competitor's smaller 4 ½" spindles. J&M uses larger hubs and bearings to handle the heaviest demands year after year. The difference in tensile and yield strength between J&M's "1144" steel versus the "Stress-Proof" material competitors use is small when measured per square inch. However, the difference in cross sectional area between a J&M 6" diameter spindle and a competitor's 4 ½" diameter spindle is substantial. J&M's larger spindles provide 78% more material to ensure your grain cart will perform under your toughest demands, year after year.

A lightweight fighter may be slightly stronger pound for pound, but when you put him against a heavy weight fighter that is 78% larger, the advantage will always go to the heavy weight with both **STRENGTH AND SIZE!**

V-TRUSS axle

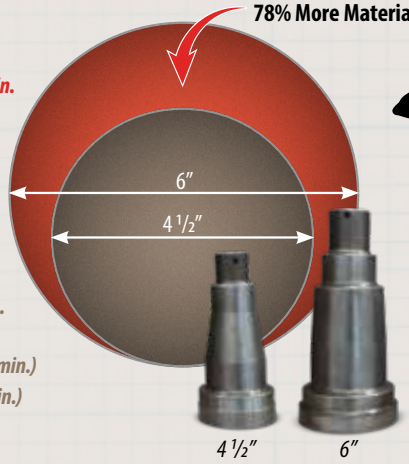
Reinforced Tubular Axle with V-Truss to Prevent
Bending and Twisting That Can Effect the Integrity of Your Tank.

J&M Exclusive Design

V-Truss Axle
Not Prone to Twisting or Bending

J&M Spindle (Orange)
Diameter = 6 inches
Cross Sectional Area = 28.26 sq in.
Material = 1144 Steel
Tensile Strength = 120,000 psi
Yield Strength = 110,000 psi

Competitor Spindle (Brown)
Diameter = 4 ½ inches
Cross Sectional Area = 15.9 sq in.
Material = "Stress Proof" Steel
Tensile Strength = 125,000 psi (min.)
Yield Strength = 100,000 psi (min.)



Superior Strength and Stability...Less Maintenance

New

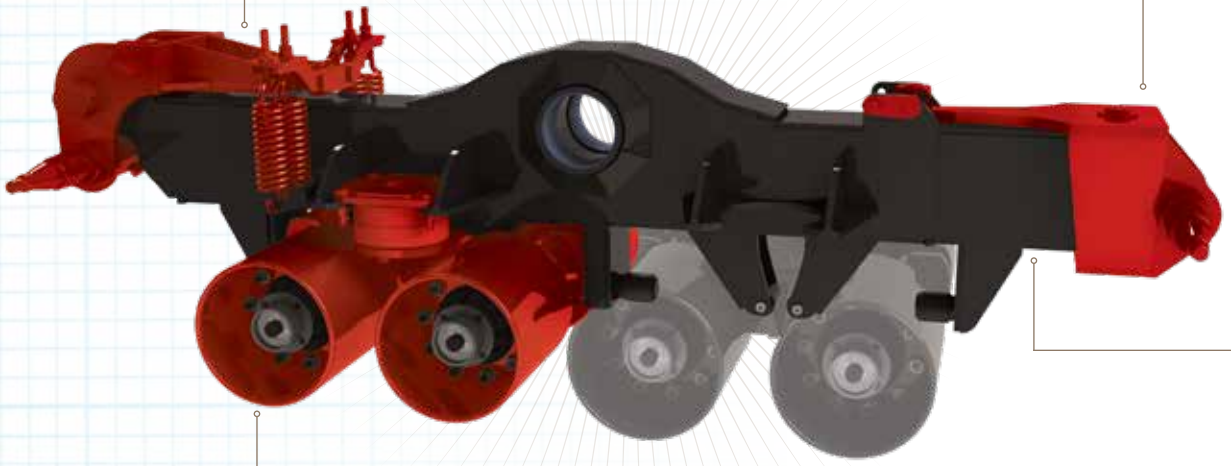
stabilizer trax SUSPENSION SYSTEM

Tensioner

"Set it and forget it." The new Stabilizer Trax feature a maintenance free spring tensioner so there is no need for adjustment once set. With over 3.5:1 tension ratio, the 0.59" chrome silicon springs are capable of providing over 13,000 lb. of belt tension.

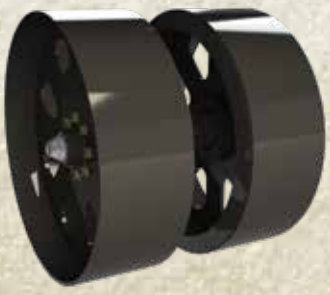
Bogie Wheels

J&M's new Stabilizer Trax System provides superior performance while reducing maintenance and increasing cart life. The patent pending design features rubber springs and oscillating bogies to significantly reduce tank shock loads and vibration, while providing uniform ground contact over uneven terrain. Each oscillating bogie pair can pivot 14° front-to-back and 7° side-to-side, reducing stress over uneven terrain on the belt, wheels and hubs. The Stabilizer Trax System features raised idler wheels under light loads, while making full contact under heavy loads to utilize the entire track footprint to minimize compaction. Raised idler wheels reduce tread wear, require less turning force and can easily climb over uneven terrain. The new Trax System also has improved bogie wheel spacing to distribute the load more evenly for uniform tread wear.



End Wheels ›

New flanges on end wheels significantly reduce guide lug wear, extending belt life.



Tube Axle ›

The axle is constructed with 12" x 12" x 0.5" (36" track) or 12" x 12" x 0.625" (46" track) thick tubing for maximum shear and bending strength, capable of withstanding the heaviest loads under the most extreme conditions.

Swivel Hitch Alignment

The new alignment mechanism uses only one ¾" bolt for adjustment and is easily accessible from the side of the cart. The low maintenance steel keeper prevents loosening during operation.

Undercarriage Beam

The undercarriage beam for the new Stabilizer Trax System is constructed from high strength plate steel for superior strength. The undercarriage uses greaseless bearings for the center and tensioner pivots as well as the rollers for the floating bogies, cutting down on maintenance time.

36" Stabilizer Trax

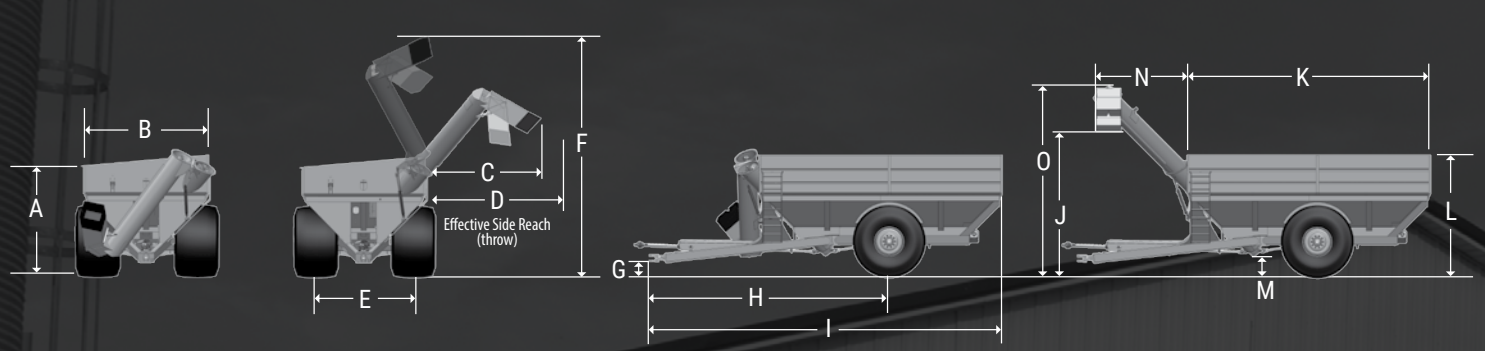
Model 36145-STX Track Specification	Full Cart
Belt Width	36"
Idler Wheel Width	32.6"
Overall Length	145"
Footprint Dimensions (One Track)	36" x 104"
Footprint Area (Both Tracks)	7,520 in^2
Avg. Ground Pressure with 1,500 Bushel Cart	13.8 psi
Pivot Shank	6" Dia.

46" Stabilizer Trax

Model 46151-STX Track Specification	Full Cart
Belt Width	46"
Idler Wheel Width	42.6"
Overall Length	151.25"
Footprint Dimensions (One Track)	46" x 108"
Footprint Area (Both Tracks)	9,942 in^2
Avg. Ground Pressure with 2,050 Bushel Cart	14.4 psi
Pivot Shank	7" Dia.

Stabilizer Trax Advantages

- Patent pending rubber spring suspension system
- Significantly reduced vibration for longer cart life
- More uniform ground contact over uneven terrain
- New tube axle design for superior strength
- Oil filled hubs standard for reduced maintenance
- High strength plate steel and tubing undercarriage beam construction
- Maintenance free spring tensioner
- One bolt track alignment
- Flanged end wheels for reduced guide lug wear
- Greaseless bearings and rollers on pivots and floating bogies



SPECIFICATIONS

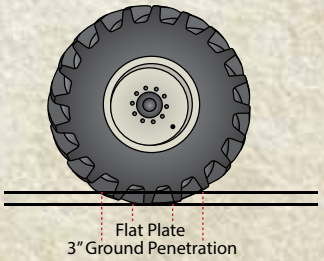
Single Wheel Option	MODEL 1132	MODEL 1432
Capacity	1,150 Bushels	1,450 Bushels
Auger, One Vertical	22″	22″
Auger, One Horizontal	20″	20″
Unload Time (bu/min)	up to 740+	up to 760+
Wheels (2)	30x32, 32x36 or 44x32	44x32
Tires (2)	IF900/60R32, 1050/50R32, or 1250/50R32	IF1250/50R32
Hubs (2)	10 Bolt or 20 Bolt	10 Bolt or 20 Bolt
Spindles (2)	6″ Diameter	6″ Diameter
Tongue Weight		
Empty	2,600 lbs.	2,650 lbs.
Loaded	4,000 lbs.	4,300 lbs.
Total Weight (approx.)	18,650 lbs.*	19,050 lbs.*
Walking Tandem Dual Wheels Option		
Capacity	1,125 Bushels	1,425 Bushels
Wheels (4)	16x42, 18x42	18x42
Tires (4)	480/80R42 or 520/85R42	520/85R42
Spindles (4)	4 1/2″ Diameter	4 1/2″ Diameter
Total Weight (approx.)	21,700 lbs.	22,100 lbs.
Tracks Option		
Capacity	1,175 Bushels	1,475 Bushels
Tracks (2)	36″x116″ or 36″x146″	36″x146″
Total Weight (approx.)	25,400 lbs.	25,800 lbs.
Compaction Rate	16.63 lbs/ sq inch or 11.20 lbs/sq inch	13.38 lbs/sq inch

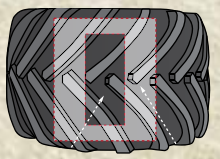
Specifications are subject to change without notice or obligation.
Bushel capacity measured with #2 corn at 15% moisture content (56 lb. test weight)
Time varies with RPM and moisture content of grain

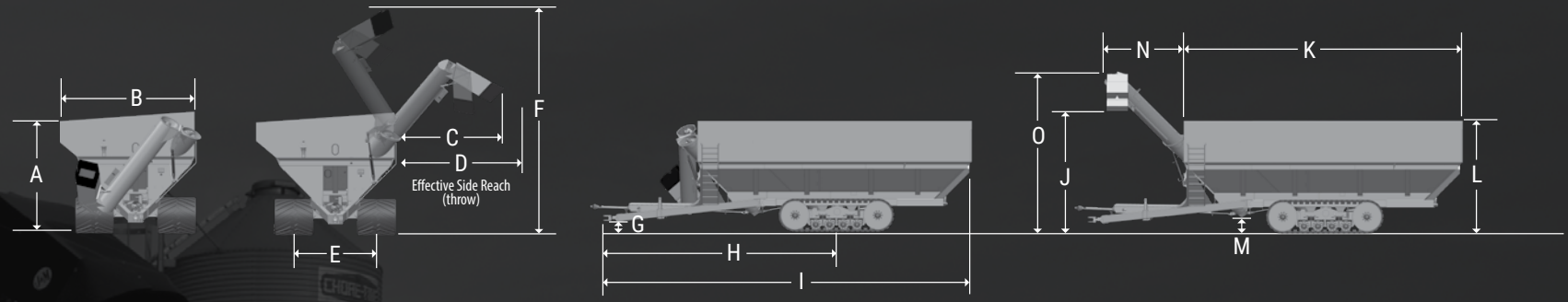
DIMENSIONS

	MODEL 1132*	MODEL 1432**	
A	10′-1″	11′-3″	<< LOW SIDE HEIGHT
B	11′-9″	11′-9″	
C	11′-0″	11′-0″	<< GREAT SIDE REACH
D	13′-8″	13′-8″	
E	10′-0″	10′-0″	
F	21′-11″	22′-2″	
G	1′-6″	1′-6″	
H	22′-4″	22′-4″	
I	33′-0″	33′-0″	
J	13′-3″	13′-6″	
K	22′-10″	22′-10″	
L	11′-3″	12′-5″	
M	1′-8″	1′-11″	
N	8′-6″	8′-6″	<< EXCELLENT VISIBILITY
O	17′-5″	17′-8″	

* Measured with 900/60R32 tires, scales, roll tarp installed and a 20″ hitch height
** Measured with 1250/50R32 tires, scales, roll tarp installed and a 20″ hitch height







SPECIFICATIONS

Tracks Option	MODEL 1832	MODEL 2032	MODEL 2332
Capacity	1,800 Bushels	2,050 Bushels	2,350 Bushels
Auger, One Vertical	22″	22″	22″
Auger, One Horizontal	20″	20″	20″
Unload Time (bu/min)	up to 790+	up to 810+	up to 840+
Tracks (2)	46″x151″	46″x151″	46″x151″
Tongue Weight			
Empty	2,942 lbs.	3,089 lbs.	3,235 lbs.
Loaded	5,664 lbs.	6,113 lbs.	6,789 lbs.
Total Weight (approx.)	33,520 lbs.	34,320 lbs.	35,120 lbs.
Compaction Rate	12.94 lbs/sq inch	14.38 lbs/sq inch	16.09 lbs/sq inch

DIMENSIONS

	MODEL 1832	MODEL 2032	MODEL 2332	
A	9′-9″	10′-7″	11′-3″	<< LOW SIDE HEIGHT
B	13′-9″	13′-9″	13′-9″	
C	11′-0″	11′-0″	11′-0″	<< GREAT SIDE REACH
D	13′-8″	13′-8″	13′-8″	
E	8′-2″	8′-2″	8′-2″	
F	22′-1″	22′-1″	22′-1″	
G	1′-8″	1′-8″	1′-8″	
H	25′-7″	25′-7″	25′-7″	
I	40′-2″	40′-2″	40′-2″	
J	13′-6″	13′-6″	13′-6″	
K	30′-0″	30′-0″	30′-0″	
L	10′-9″	11′-7″	12′-3″	
M	2′-0″	2′-0″	2′-0″	
N	8′-6″	8′-6″	8′-6″	<< EXCELLENT VISIBILITY
O	17′-7″	17′-7″	17′-7″	

3” Versus Flat Plate Ground Pressure Calculations

Don’t be fooled by the “3” Ground Penetration” compaction ratings used by some competitors. 3” Ground Penetration measures the surface area of the tire 3” above the flat plate. This allows a much larger surface area and the compaction ratings appear to be better than compaction ratings measured by using the true “Flat Plate”. Although some competitors may want you to believe their cart tires provide better flotation, they don’t. If the tires are the same size, they will generally have the same surface area and compaction will be the same.

GUARANTEE

J & M MANUFACTURING CO guarantees against any faulty construction or materials for a period of ONE year. We reserve the right to inspect and decide whether material or construction was faulty or whether abuse or accident voids our guarantee.

Specifications are subject to change without notice or obligation.
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