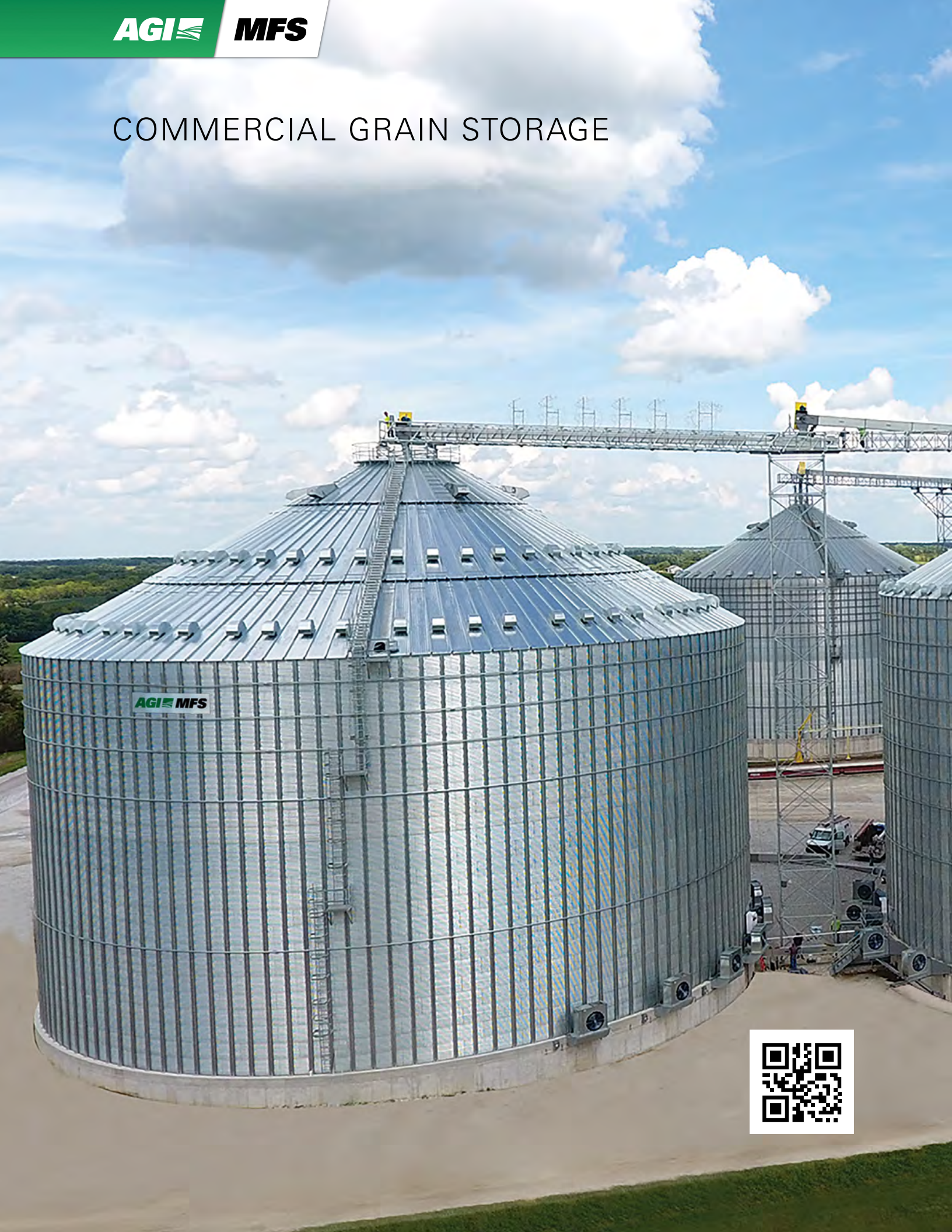
AGI MFS

# COMMERCIAL GRAIN STORAGE



# Engineered for high capacity, high performance and outstanding value.

Why sacrifice strength and long life for price?
With AGI MFS, you can have it all!

Commercial grain storage systems from AGI MFS are engineered to handle large volumes of grain efficiently—while protecting the quality of the grain and the safety of the people working with it.


**More than 50 years experience in grain storage systems**

We've been in the grain storage business for decades. Commercial grain storage systems from AGI MFS are on the job on six continents, protecting the quality of large volumes of grain in ports, processing and storage facilities of all sizes, types and designs.

**A custom approach to every bin design**

Every commercial bin we quote and build is designed for your specific installation, site and function. We'll consider seismic conditions, frequency of loading and unloading, construction over a concrete hopper, types of material being handled, and other variables. We do our homework ahead of time so you get the system that makes sense for your operation and your budget.

**The confidence to offer a 5-year warranty on commercial storage bins**

We've made an unwavering commitment to outstanding innovation and engineering, high quality materials, and the latest in manufacturing technology. We have absolute confidence in the ability of our commercial storage bins to perform for years to come.

## Up to 27% longer life

### Why G-115 Galvanization Matters

AGI MFS uses G-115 hot-dip galvanization on key components of every on-farm storage bin system.

Industry research indicates that G-115 galvanization can extend the life of the galvanized coating on the bin's surface by up to 27% over competitors who settle for G-90 galvanization.

That means the galvanization on your bin maintains its integrity longer—and that means greater service life, increased reliability, optimal grain protection and a better return on investment for you.

### Industry-leading safety equipment & accessibility

From sturdy ladders and stairs to roomy access doors — everything we do is focused on making your commercial grain storage system as safe and easy to use as possible. These built-in features can help you comply with OSHA guidelines.

### Unmatched strength & integrity at a competitive price

Our commercial grain storage systems combine high-capacity storage, outstanding longevity, performance, and unique design features at competitive pricing. Our wide range of options and ability to match our systems to your specific applications enhance our ability to keep your system priced right without compromising quality.

### Precise engineering for easier construction

Bolt holes that line up. Sheets that are the right size consistently. Sensible bundling of materials for easier handling on the job site. It all adds up to savings of time, labor and headaches.

### Innovative design that solves big problems

We've engineered features that address key issues such as personal safety, easier access, moisture resistance, structural integrity, stability and long-term performance.

# Roof Systems

Quality Starts at the Top

**Options to match your commercial bin requirements.**

AGI MFS offers you a range of roof systems to match your commercial installation requirements and your budget.

72 ft. to 135 ft. Models (21.9 m to 41.2 m): Larger models typically need extra support due to larger capacity conveyers, catwalks and heavier spouts.

30 ft. to 60 ft. Models (9.1 m to 18.3 m): Option of raftered or non-raftered roof system.

Up to 30 ft. Models (Up to 9.1 m): Non-raftered roof systems are standard and generally meet or exceed roof load requirements for these sizes.

Every roof design has been tested for precision fitting at the factory. All roof designs were initially assembled by our engineers before the first one shipped. This extra quality step means you don't have to worry about dealing with a "prototype" during installation. Every bolt hole lines up. Every sheet matches. Rafters and purlins are precisely manufactured.

We know. Because we already built each size in-house before they were released to manufacturing and shipped to customers.

## Engineered for long life and trouble-free construction

**G-115(Z350) galvanization on all outer roof sheets and most raftered components**, leading to 27% longer life on areas exposed to the elements. Components that require welding are not galvanized, but are powder coated for optimal protection.

**30° roof slope** helps void debris and snow from the roof system, without increasing overall bin height

**Temperature cable brackets** are easily added to raftered roofs with minimal expense.

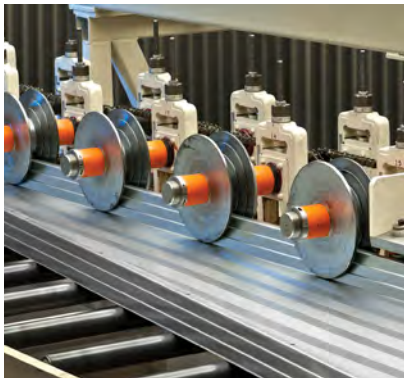
**Powered roof exhausters** are easily added with trouble-free installation on site.

**Gooseneck vents** with corresponding pre-formed vent opening allow for easier installation.

Three roof panels per sidewall sheet simplify installation.

**RAFTERED ROOF CAPACITIES**

| ROOF DIAMETER | ROOF PEAK LOAD |
|---|---|
| 135' [41.20 m] | 100,000 lb [45,359 kg] |
| 105' [32.00 m] | 75,000 lbs [34,020 kg] |
| 90' [27.43 m] | 75,000 lbs [34,020 kg] |
| 78' [23.77 m] | 60,000 lb [27,215 kg] |
| 75' [22.86 m] | 60,000 lb [27,215 kg] |
| 72' [21.94 m] | 60,000 lb [27,215 kg] |
| 60' [18.29 m] | 30,000 lb [13,608 kg] |
| 54' [16.46 m] | 30,000 lb [13,608 kg] |
| 48' [14.63 m] | 30,000 lb [13,608 kg] |
| 42' [12.80 m] | 20,000 lb [9,072 kg] |
| 36' [10.97 m] | 20,000 lb [9,072 kg] |
| 33' [10.06 m] | 20,000 lb [9,072 kg] |
| 30' [9.14 m] | 20,000 lb [9,072 kg] |



Proprietary state-of-the-art roll former controls the distance between holes from rib-to-rib, not from the edge of the coil like competitive products. The result: Higher quality roof sheets that fit better—with bolt holes that line up every time. Bolts drop right in place. That means trouble-free, labor-saving, frustration-free installation on site.

### The Contractor's Choice

Fewer parts for quicker, easier construction

Precise manufacturing for accuracy and trouble-free in-field assembly

Bolt holes that line up every time for faster installation

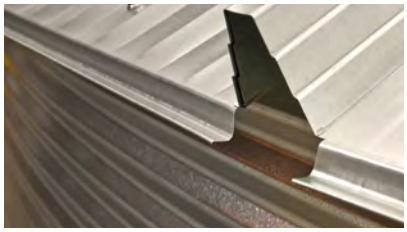
Quality, strength and industry-leading specifications provide confidence and reliability

# Industry-leading performance, precision and integrity

Design details that surpass industry standards and your expectations

"C" design on rafters and purlins dramatically improve roof integrity, especially when installed back to back. This design is ideal for the shape of the roof—and eliminates deflection commonly found in Z-shaped rafters.





**Extra-tall 3-3/4" (9.5 cm) stair-stepped ribs** are staggered to provide even greater strength. Hemmed drip edge deflects moisture, eliminates sharp edges to reduce injury and strengthens the cross-section of the roof sheet.

**Well-designed 2.25 sq. ft. (0.686 m2) roof vents** for maximum airflow. Vent openings are pre-punched for easy construction and tight fit and seals. Vent sheets feature seamless raised lips (inset) for improved integrity and moisture resistance.

**Extra-large manway** is sized for plenty of shoulder-room and easy maneuverability.

# Sidewalls

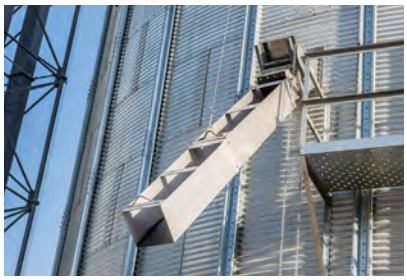
Strength and Stability are engineered into our bins

**We're 100% committed to 2.66" corrugation because we know it's simply the best.** Commercial grain storage systems are no place for compromise. That's why we use 2.66" (6.76 cm) corrugation on every sidewall sheet—every one. It's best for hoop load, wind load and is performance proven over the years. This corrugation specification provides more steel per square foot when compared to wider corrugation of the same thickness—and that matters when you have tons of grain inside the bin.

**5 gauge and 7 gauge options**

These heavier gauges reduce the lamination requirements on larger bins, reducing bin costs and saving time and money in construction.

- G-115(Z350) galvanization on every sidewall sheet means 27% longer life.
- 5 gauge to 19 gauge sidewalls available allowing us to design each bin to match your application.
- All sheets are identified for gauge, supplier, coil and date for easy traceability.
- Precise 7/16" sidewall punching easily accommodates 3/8" bolts, saving time during construction.



**Optional side draw system** is a common add-on to AGI MFS commercial grain storage systems. Available on most models, side draw installation provides high-speed, economical unloading. Side draw systems include baffles and 12" (30.5 cm) outlet with rack and pinion gate.

**Bolt-on base angle** provides a strong finished edge to bin bottom and secure seal of bin to foundation when a sealer is added—providing greater integrity over competitors' pre-formed angles that are simply rolled into the sheet.

# Stiffeners

Structural integrity at every point

**Stiffeners** provide integrity and optimal strength for the high eave heights typical of commercial grain storage bins.The stiffeners carry the vertical load, allowing the sidewall to account for hoop load. Choice of two or three stiffeners per sidewall panel provide optimal strength and stability depending on capacity and application. Stiffeners are easily mounted either externally or internally depending upon customer preference.

All stiffeners are G-115(Z350) galvanized to provide 27% longer life.

Stiffeners are available from 2 gauge to 18 gauge to meet the demands of bins up to 135 ft. (41.15 m) diameter.

**G115 galvanizing of stiffeners** provides up to 27% longer life.

**12 gauge splice** ensures that stiffeners are properly butted to effectively transfer vertical sidewall load to the foundation.

**Heavy duty wind rings** are easily attached to the stiffeners on bins requiring this extra measure. Pre-punched wind ring holes and special attachments simplify installation.

**"Hat shaped" stiffener design** is proven through engineering studies to be the preferred shape for commercial bin stiffeners. This design carries the full vertical load to the foundation.

# Hopper Bins

Commercial hopper bins from AGI MFS add even greater flexibility, functionality and value to your commercial grain storage system. Better yet, our commercial hopper bins are engineered and manufactured to the same exacting specifications as our commercial grain storage bins. AGI MFS is fully committed to 2.66" corrugation on all commecial hopper bin sidewalls. That means outstanding hoop load and wind load performance and more steel per square inch when compared to wider corrugation of the same thickness. Every commercial hopper bin features G-115 galvanization for 27% longer life. A sidewall range of 10 gauge to 19 gauge provides many options to match your bin to your application.


### Roof Systems

Every roof design has been tested for fit at the factory. All roof designs were initially assembled by our engineers before the first one shipped. Roof systems on AGI MFS commercial hopper bins are non-raftered in standard models. Raftered roofs are available on 30' to 36' (9.1 m to 11.0 m) diameters in the event that additional roof loading is required.

- 30° roof slope sheds debris and snow without adding to overall bin height
- G-115(Z350) galvanization on all outer roof sheets for up to 27% longer life on components exposed to the elements
- Powered roof exhausters are easily added with troublefree installation on site
- Gooseneck vents with corresponding pre-formed vent opening allow for easier installation
- Three roof panels per sidewall sheet simplify installation

### Stiffeners

Commercial hopper bins use two external stiffeners per sidewall sheet. This approach allows transfer of tank vertical load down the stiffeners, then down the support columns to the foundation. All stiffeners are G-115(Z350) galvanized to provide 27% longer life

- "Hat shaped" stiffener design is proven through engineering studies to be the preferred shape for commercial bin stiffeners. This design carries the full vertical load to the foundation
- Base stiffener plates are firmly affixed through welding to ensure a positive attachment of bin to hopper structure
- 12 gauge splice ensures that stiffeners are properly butted to effectively transfer sidewall load to the foundation
- Heavy duty wind rings are easily attached to the stiffeners on bins requiring this extra measure. Pre-punched wind ring holes and special attachments simplify installation

### The Contractor's Choice

- Precise 7/16" sidewall punching easily accommodates 3/8" bolts to save time during erection.
- Sheet identification includes gauge, supplier, coil and date for quick traceability if needed.
- Bolt-on base angle provides strong finished edge to bin bottom for seal of bin to hopper structure when sealer is added.
- Top-quality fasteners feature JS1000 plating system, SAE Grade 8.2 for maximum shear capacity as well as industry standard washers to seal the bolt to the sidewall.

We design and build our commercial hopper bins to stand up to the constant use typical in a commercial grain storage operation. That goes double for the working parts of the hopper bottom where grain flows on a daily basis.

- **Custom outlet heights** available to accommodate installation of auxiliary equipment below the hopper
- **Structure finish options** include powder coated or hot-dip galvanized to meet your specific application
- **Heavy duty compression ring** transfers load from the bin and hopper into the support structure. The base angle on the bottom of the tank is sealed to the compression ring for a weather-proof connection between tank and hopper
- **Support columns** are heavy I-beams engineered to carry the suspended weight of both tank and stored commodity

**CONE OPTIONS**

| CONE DEGREE | AVAILABILITY |
|---|---|
| 60° | Available on 15', 18', 21' models where a steeper cone may be required due to type of commodity being stored |
| 45° | Available for 15' to 24' models for more traditional storage of grains and wet holding applications |
| 40° | Available for 27' to 36' models for more traditional grain storage |

**Galvanized panels** ranging from 12 gauge to 8 gauge Grade 50 are designed to withstand hoop and top tension loads throughout the range of sizes available. Cross braces keep tank evenly braced during loading.

**Manual rack and pinion gate** controls flow from the tank and comes standard with all commercial hopper tanks.

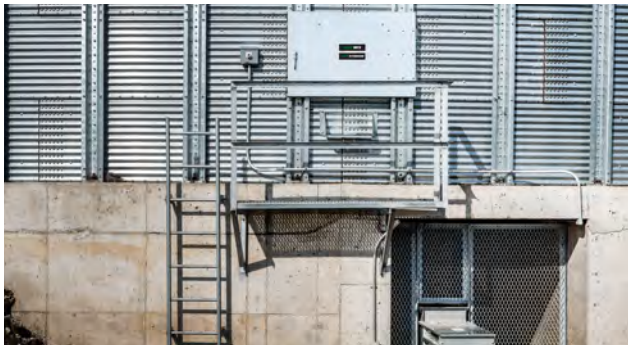
**Shedder plate**, supplied with all models, is a perforated component attached to the sidewall at an angle that matches the hopper cone angle. The shedder plate eliminates commodity hang-up were the sidewall connects to the cone.

**Heavy base plates** welded to the bottom end of the support columns provide a positive attachment to the concrete foundation with proper anchoring.

**Cone bottom** is ideally designed for full clean-out and to ensure that majority of the product is emptied with minimal carryover.

# When it comes to protecting grain and people, details matter

## Doors



**One ring door** in sidewall provides full and easy access regardless of door option selected.

**Two ring door** is available on 15 ft. through 135' (4.6 m to 41.15 m) diameter bins.

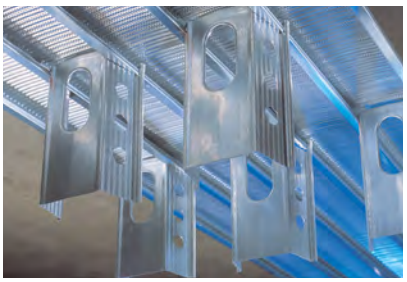
## Fastners

**Grade 8.2 bin bolts** are used throughout to ensure strength and stability. Roofs use 5/16" (0.79 cm) bolts and sidewalls use 3/8" (0.95 cm) bolts.

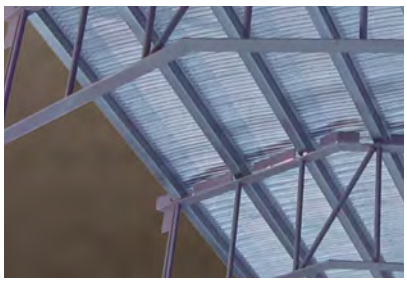
Top-quality fasteners feature JS1000 plating system, SAE Grade 8.2 for maximum shear capacity as well as industry standard washers to seal the bolt to the sidewall.

## Supports

AGI MFS supports are available in either galvanized or welded styles, providing a choice for customers. Supports come in multiple heights to accommodate different sizes of bin unloading systems and fan transitions for optimum performance.



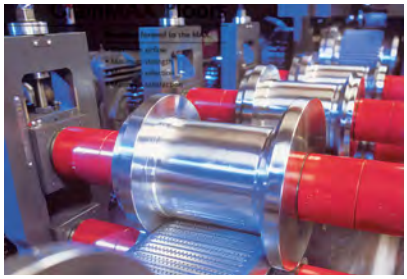
**Locking tabs** on galvanized supports lock into place during assembly. 17 gauge galvanization provides strength and dependability.



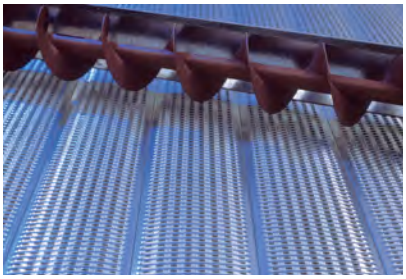
**Powder-coated welded design** resists rust and lasts longer than non-painted supports. Facilitates easy installation.

## Floors

AGI MFS bin floors are available in a wide variety of styles to match the application, storage system and customer preference. Long-lasting galvanized construction coupled with state-of-the-art design and manufacturing makes for a bin floor that stands up to use and abuse under the most challenging conditions. Floors can bemanufactured to any diameter, which makes an AGI MFS floor available on our bins, along with any other competitors' bin.

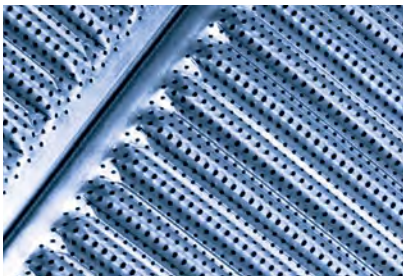


**16-Gauge Floor Option** is the heaviest specification available in the industry. AGI MFS also offers the widest variety of gauges in the industry—providing even more assurance that the construction matches the challenge.



**Built-in crown on planks** prevents sagging and provides additional strength. Slotted design offers strength and economy.

**Built-in corrugation** on planks increases strength and rigidity. Round perforation (0.093" & 0.050") design is smooth and easy to sweep.



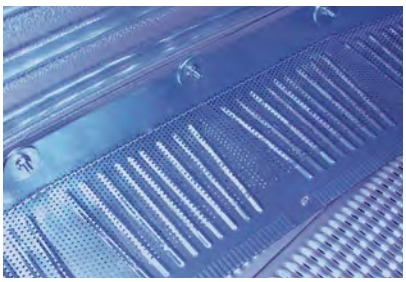
**Standard perforation** (0.050") floor planks are ideal for use in storing small grains such as canola. Smooth surface facilitates easy clean-out.

### The Contractor's Choice

- Every floor plank is labeled for easy identification in the field
- Floor planks are precisely bundled to enable building from the stack
- On-side shipment makes parts easier to handle and reduces damage during loading/unloading
- Multiple bundles on larger systems make for easier loading and unloading
- Single piece option for larger bins can make on-site construction easier
- Easy-to-use construction guide simplifies the process especially for first-time installers
- Powder-coated welded supports resist rust and enhance appearance upon delivery at job-sit

## Flashing

**Choice of high back or low back flashing** works for both new bin installation or retrofits.



**Multi-rib design** adds strength and durability. Also provides traction for sweep augers.

**Flush floor aeration systems** available in I,H,F and T styles and custom applications.

# Fans

Commercial grain storage can require more pressure and air-flow in order to preserve grain quality.

We offer a wide range of grain bin fan solutions for commercial grain storage systems of all types and sizes, including products from NECO. NECO fans can meet the demanding specifications of commercial grain storage in terms of grain volume, structural height, and the need for multiple fans on one bin.

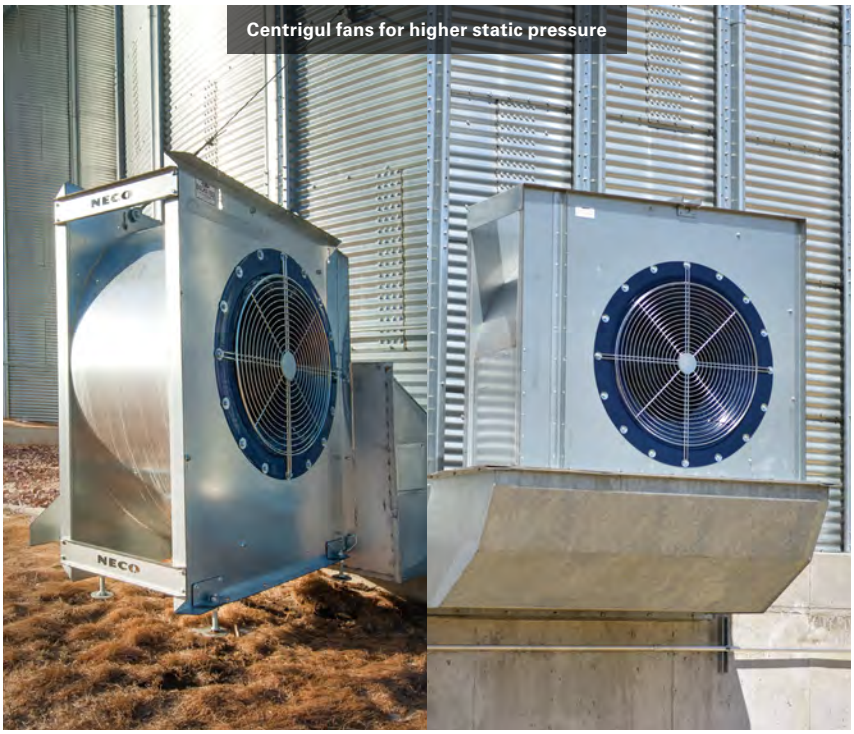
## Axial Fans

- Motors are specifically designed for use in axial fans and designed to run at less than full load amperage to extend motor life and increase fan efficiency.
- Unique airfoil profile of precision blades provide high airflow with low horsepower requirements,saving energy costs.
- Blades are precision balanced for low vibration.
- Fan housing fabricated from heavy gauge G-90 galvanized steel; bolted together to eliminate cracks and breaks typically associated with welded housings and rolled flanges.
- 3/4 HP to 15 HP models available.

Axial Fans for lower static pressure

## Centrifugal Fans

- Designed for high air flows at low to medium static pressures—typically outperforming vane axial fans (propeller type) of the same horsepower when operating at over 4" of static pressure.
- Special airfoil blades provide maximum air output while minimizing noise.
- Most fan wheels constructed with energy-efficient continuously welded airfoil blades for optimal safety; keeps water out to prevent imbalance.
- Fan housing fabricated from heavy gauge G-90(Z275) galvanized steel and assembled with special locking bolts and nuts for rust-free long life and minimum maintenance.
- 3 HP to 60 HP models available.
- Optional high speed models also available.



Centrigul fans for higher static pressure

# Stairs and Ladders

Personal safety and easy accessibility are hallmarks of commercial grain storage systems from AGI MFS.

**All galvanized steel construction** ensures long life and lasting strength under the most demanding conditions.

**Extra-wide step and toe space** provide additional confidence and safety, while helping you comply with OSHA regulations.

**Extruded non-slip stair tread** helps prevent build-up of ice and water for sure footing under tough weather conditions and heavy loads.

**OSHA compliant handrails** contain no rail breaks, sharp ends, corners or protruding bolts. An optional inner handrail is available for extra assurance.

**Single or double-wide platforms** at the eave provide easyaccess to roof stairs and manway. Optional rest stop and working platforms below provide a safe, convenient surface when and where you need it. Four-inch (102 mm) toe-boards ensure a safer platform for everyone—above and below.

**COMMERCIAL BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **15 ft**. (4.57 M) Diameter | 15-8 | 3387 | 3976 | 21'-4" | 25'-7" | 6.50 | 7.80 | 113 | 86 | 92 | 69 |
| | 15-9 | 3784 | 4442 | 24'-0" | 28'-3" | 7.32 | 8.61 | 126 | 96 | 103 | 77 |
| | 15-10 | 4181 | 4909 | 26'-8" | 30'-11" | 8.13 | 9.42 | 139 | 106 | 114 | 85 |
| | 15-11 | 4578 | 5375 | 29'-4" | 33'-7" | 8.94 | 10.24 | 152 | 116 | 125 | 93 |
| | 15-12 | 4975 | 5841 | 32'-0" | 36'-3" | 9.75 | 11.05 | 165 | 126 | 135 | 102 |
| | 15-13 | 5372 | 6307 | 34'-8" | 38'-11" | 10.57 | 11.86 | 179 | 136 | 146 | 110 |
| | 15-14 | 5770 | 6774 | 37'-4" | 41'-7" | 11.38 | 12.67 | 192 | 147 | 157 | 118 |
| **18 ft**. (5.49 M) Diameter | 18-12 | 7221 | 8478 | 32'-0" | 37'-1" | 9.75 | 11.31 | 240 | 183 | 196 | 147 |
| | 18-13 | 7793 | 9149 | 34'-8" | 39'-9" | 10.57 | 12.12 | 259 | 198 | 212 | 159 |
| | 18-14 | 8365 | 9821 | 37'-4" | 42'-5" | 11.38 | 12.93 | 278 | 213 | 228 | 171 |
| | 18-15 | 8937 | 10492 | 40'-0" | 45'-1" | 12.19 | 13.75 | 297 | 227 | 243 | 182 |
| | 18-16 | 9509 | 11163 | 42'-8" | 47'-9" | 13.00 | 14.56 | 316 | 242 | 259 | 194 |
| | 18-17 | 10081 | 11835 | 45'-4" | 50'-5" | 13.82 | 15.37 | 335 | 256 | 274 | 206 |
| | 18-18 | 10653 | 12506 | 48'-0" | 53'-1" | 14.63 | 16.19 | 354 | 271 | 290 | 217 |
| | 18-19 | 11225 | 13178 | 50'-8" | 55'-9" | 15.44 | 17.00 | 373 | 285 | 305 | 229 |
| | 18-20 | 11796 | 13849 | 53'-4" | 58'-5" | 16.26 | 17.81 | 392 | 300 | 321 | 241 |
| **21 ft**. (6.40 M) Diameter | 21-12 | 9906 | 11630 | 32'-0" | 38' | 9.75 | 11.57 | 329 | 252 | 269 | 202 |
| | 21-13 | 10684 | 12544 | 34'-8" | 40'-8" | 10.57 | 12.39 | 355 | 271 | 291 | 218 |
| | 21-14 | 11463 | 13458 | 37'-4" | 43'-4" | 11.38 | 13.20 | 381 | 291 | 312 | 234 |
| | 21-15 | 12241 | 14371 | 40'-0" | 46' | 12.19 | 14.01 | 407 | 311 | 333 | 250 |
| | 21-16 | 13020 | 15285 | 42'-8" | 48'-8" | 13.00 | 14.82 | 433 | 331 | 354 | 266 |
| | 21-17 | 13798 | 16199 | 45'-4" | 51'-4" | 13.82 | 15.64 | 459 | 351 | 375 | 282 |
| | 21-18 | 14577 | 17113 | 48'-0" | 54' | 14.63 | 16.45 | 485 | 370 | 397 | 297 |
| | 21-19 | 15355 | 18027 | 50'-8" | 56'-8" | 15.44 | 17.26 | 510 | 390 | 418 | 313 |
| | 21-20 | 16133 | 18941 | 53'-4" | 59'-4" | 16.26 | 18.08 | 536 | 410 | 439 | 329 |
| | 21-21 | 16912 | 19855 | 56'-0" | 62' | 17.07 | 18.89 | 562 | 430 | 460 | 345 |
| | 21-22 | 17690 | 20769 | 58'-8" | 64'-8" | 17.88 | 19.70 | 588 | 449 | 481 | 361 |
| | 21-23 | 18469 | 21683 | 61'-4" | 67'-4" | 18.69 | 20.51 | 614 | 469 | 502 | 377 |
| **24 ft**. (7.32 M) Diameter | 24-12 | 13039 | 15308 | 32'-0" | 38'-10" | 9.75 | 11.84 | 433 | 331 | 355 | 266 |
| | 24-13 | 14056 | 16502 | 34'-8" | 41'-6" | 10.57 | 12.65 | 467 | 357 | 382 | 287 |
| | 24-14 | 15073 | 17696 | 37'-4" | 44'-2" | 11.38 | 13.46 | 501 | 383 | 410 | 308 |
| | 24-15 | 16089 | 18889 | 40'-0" | 46'-10" | 12.19 | 14.27 | 535 | 409 | 438 | 328 |
| | 24-16 | 17106 | 20083 | 42'-8" | 49'-6" | 13.00 | 15.09 | 569 | 435 | 465 | 349 |
| | 24-17 | 18123 | 21277 | 45'-4" | 52'-2" | 13.82 | 15.90 | 602 | 460 | 493 | 370 |
| | 24-18 | 19140 | 22470 | 48'-0" | 54'-10" | 14.63 | 16.71 | 636 | 486 | 521 | 391 |
| | 24-19 | 20156 | 23664 | 50'-8" | 57'-6" | 15.44 | 17.53 | 670 | 512 | 548 | 411 |
| | 24-20 | 21173 | 24858 | 53'-4" | 60'-2" | 16.26 | 18.34 | 704 | 538 | 576 | 432 |
| | 24-21 | 22190 | 26051 | 56'-0" | 62'-10" | 17.07 | 19.15 | 738 | 564 | 604 | 453 |
| | 24-22 | 23207 | 27245 | 58'-8" | 65'-6" | 17.88 | 19.96 | 771 | 590 | 631 | 473 |
| | 24-23 | 24223 | 28439 | 61'-4" | 68'-2" | 18.69 | 20.78 | 805 | 615 | 659 | 494 |
| | 24-24 | 25240 | 29632 | 64'-0" | 70'-10" | 19.51 | 21.59 | 839 | 641 | 687 | 515 |
| | 24-25 | 26257 | 30826 | 66'-8" | 73'-6" | 20.32 | 22.40 | 873 | 667 | 714 | 536 |
| | 24-26 | 27274 | 32020 | 69'-4" | 76'-2" | 21.13 | 23.22 | 907 | 693 | 742 | 556 |

**TYPICAL GRAIN DENSITIES -** WHEAT: Approximately 772 kg/m$^3$ (48.2 lb/ft$^3$) I CORN: Approximately 721 kg/m$^3$ (45 lb/ft$^3$) I RICE: Approximately 579 kg/m$^3$ (36.1 lb/ft$^3$)

**COMMERCIAL BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **27 ft**. (8.23 M) Diameter | 27-12 | 16630 | 19524 | 32'-0" | 39'-8" | 9.75 | 12.10 | 553 | 423 | 452 | 339 |
| | 27-13 | 17917 | 21035 | 34'-8" | 42'-4" | 10.57 | 12.91 | 596 | 455 | 487 | 366 |
| | 27-14 | 19204 | 22546 | 37'-4" | 45'-0" | 11.38 | 13.73 | 638 | 488 | 522 | 392 |
| | 27-15 | 20491 | 24056 | 40'-0" | 47'-8" | 12.19 | 14.54 | 681 | 521 | 557 | 418 |
| | 27-16 | 21778 | 25567 | 42'-8" | 50'-4" | 13.00 | 15.35 | 724 | 553 | 592 | 444 |
| | 27-17 | 23064 | 27078 | 45'-4" | 53'-0" | 13.82 | 16.16 | 767 | 586 | 627 | 471 |
| | 27-18 | 24351 | 28589 | 48'-0" | 55'-8" | 14.63 | 16.98 | 810 | 619 | 662 | 497 |
| | 27-19 | 25638 | 30099 | 50'-8" | 58'-4" | 15.44 | 17.79 | 852 | 651 | 697 | 523 |
| | 27-20 | 26925 | 31610 | 53'-4" | 61'-0" | 16.26 | 18.60 | 895 | 684 | 732 | 549 |
| | 27-21 | 28212 | 33121 | 56'-0" | 63'-8" | 17.07 | 19.42 | 938 | 717 | 767 | 576 |
| | 27-22 | 29498 | 34632 | 58'-8" | 66'-4" | 17.88 | 20.23 | 981 | 749 | 802 | 602 |
| | 27-23 | 30785 | 36142 | 61'-4" | 69'-0" | 18.69 | 21.04 | 1023 | 782 | 837 | 628 |
| | 27-24 | 32072 | 37653 | 64'-0" | 71'-8" | 19.51 | 21.85 | 1066 | 815 | 873 | 654 |
| | 27-25 | 33359 | 39164 | 66'-8" | 74'-4" | 20.32 | 22.67 | 1109 | 848 | 908 | 681 |
| | 27-26 | 34646 | 40675 | 69'-4" | 77'-0" | 21.13 | 23.48 | 1152 | 880 | 943 | 707 |
| | 27-27 | 35932 | 42185 | 72'-0" | 79'-8" | 21.95 | 24.29 | 1195 | 913 | 978 | 733 |
| | 27-28 | 37219 | 43696 | 74'-8" | 82'-4" | 22.76 | 25.10 | 1237 | 946 | 1013 | 759 |
| | 27-29 | 38506 | 45207 | 77'-4" | 85'-0" | 23.57 | 25.92 | 1280 | 978 | 1048 | 786 |
| | 27-30 | 39793 | 46717 | 80'-0" | 87'-8" | 24.38 | 26.73 | 1323 | 1011 | 1083 | 812 |
| **30 ft**. (9.14 M) Diameter | 30-12 | 20689 | 24289 | 32'-0" | 40'-7" | 9.75 | 12.36 | 688 | 526 | 563 | 422 |
| | 30-13 | 22278 | 26154 | 34'-8" | 43'-3" | 10.57 | 13.17 | 741 | 566 | 606 | 455 |
| | 30-14 | 23866 | 28019 | 37'-4" | 45'-11" | 11.38 | 13.99 | 793 | 606 | 649 | 487 |
| | 30-15 | 25455 | 29884 | 40'-0" | 48'-7" | 12.19 | 14.80 | 846 | 647 | 692 | 519 |
| | 30-16 | 27043 | 31749 | 42'-8" | 51'-3" | 13.00 | 15.61 | 899 | 687 | 736 | 552 |
| | 30-17 | 28632 | 33615 | 45'-4" | 53'-11" | 13.82 | 16.42 | 952 | 727 | 779 | 584 |
| | 30-18 | 30221 | 35480 | 48'-0" | 56'-7" | 14.63 | 17.24 | 1005 | 768 | 822 | 617 |
| | 30-19 | 31809 | 37345 | 50'-8" | 59'-3" | 15.44 | 18.05 | 1057 | 808 | 865 | 649 |
| | 30-20 | 33398 | 39210 | 53'-4" | 61'-11" | 16.26 | 18.86 | 1110 | 849 | 909 | 681 |
| | 30-21 | 34987 | 41075 | 56'-0" | 64'-7" | 17.07 | 19.68 | 1163 | 889 | 952 | 714 |
| | 30-22 | 36575 | 42940 | 58'-8" | 67'-3" | 17.88 | 20.49 | 1216 | 929 | 995 | 746 |
| | 30-23 | 38164 | 44805 | 61'-4" | 69'-11" | 18.69 | 21.30 | 1269 | 970 | 1038 | 779 |
| | 30-24 | 39753 | 46670 | 64'-0" | 72'-7" | 19.51 | 22.11 | 1322 | 1010 | 1081 | 811 |
| | 30-25 | 41341 | 48535 | 66'-8" | 75'-3" | 20.32 | 22.93 | 1374 | 1050 | 1125 | 844 |
| | 30-26 | 42930 | 50400 | 69'-4" | 77'-11" | 21.13 | 23.74 | 1427 | 1091 | 1168 | 876 |
| | 30-27 | 44519 | 52266 | 72'-0" | 80'-7" | 21.95 | 24.55 | 1480 | 1131 | 1211 | 908 |
| | 30-28 | 46107 | 54131 | 74'-8" | 83'-3" | 22.76 | 25.37 | 1533 | 1171 | 1254 | 941 |
| | 30-29 | 47696 | 55996 | 77'-4" | 85'-11" | 23.57 | 26.18 | 1586 | 1212 | 1298 | 973 |
| | 30-30 | 49285 | 57861 | 80'-0" | 88'-7" | 24.38 | 26.99 | 1638 | 1252 | 1341 | 1006 |
| | 30-31 | 50873 | 59726 | 82'-8" | 91'-3" | 25.20 | 27.80 | 1691 | 1293 | 1384 | 1038 |
| | 30-32 | 52462 | 61591 | 85'-4" | 93'-11" | 26.01 | 28.62 | 1744 | 1333 | 1427 | 1070 |

Specifications and design are subject to change without notice. All bins are designed for the storage of grain and other free-flowing materials weighing up to 52 lbs. per cubic foot (833 kg/m$^3$). Cubic foot and cubic meter volumes are based on bin fill height 1" below eave level with grain peaked at the center using a 28 degree angle of repose. Maximum bushel capacities and metric ton capacities are based on 6% compaction.

**COMMERCIAL BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **33 ft**. (10.06 M) Diameter | 33-12 | 25224 | 29614 | 32'-0" | 41'-5" | 9.75 | 12.63 | 839 | 641 | 686 | 515 |
| | 33-13 | 27146 | 31870 | 34'-8" | 44'-1" | 10.57 | 13.44 | 902 | 690 | 739 | 554 |
| | 33-14 | 29069 | 34127 | 37'-4" | 46'-9" | 11.38 | 14.26 | 966 | 739 | 791 | 593 |
| | 33-15 | 30991 | 36384 | 40'-0" | 49'-5" | 12.19 | 15.07 | 1030 | 787 | 843 | 632 |
| | 33-16 | 32913 | 38641 | 42'-8" | 52'-1" | 13.00 | 15.88 | 1094 | 836 | 895 | 672 |
| | 33-17 | 34835 | 40897 | 45'-4" | 54'-9" | 13.82 | 16.69 | 1158 | 885 | 948 | 711 |
| | 33-18 | 36758 | 43154 | 48'-0" | 57'-5" | 14.63 | 17.51 | 1222 | 934 | 1000 | 750 |
| | 33-19 | 38680 | 45411 | 50'-8" | 60'-1" | 15.44 | 18.32 | 1286 | 983 | 1052 | 789 |
| | 33-20 | 40602 | 47668 | 53'-4" | 62'-9" | 16.26 | 19.13 | 1350 | 1032 | 1105 | 828 |
| | 33-21 | 42525 | 49924 | 56'-0" | 65'-5" | 17.07 | 19.95 | 1414 | 1080 | 1157 | 868 |
| | 33-22 | 44447 | 52181 | 58'-8" | 68'-1" | 17.88 | 20.76 | 1478 | 1129 | 1209 | 907 |
| | 33-23 | 46369 | 54438 | 61'-4" | 70'-9" | 18.69 | 21.57 | 1542 | 1178 | 1261 | 946 |
| | 33-24 | 48291 | 56695 | 64'-0" | 73'-5" | 19.51 | 22.38 | 1605 | 1227 | 1314 | 985 |
| | 33-25 | 50214 | 58952 | 66'-8" | 76'-1" | 20.32 | 23.20 | 1669 | 1276 | 1366 | 1025 |
| | 33-26 | 52136 | 61208 | 69'-4" | 78'-9" | 21.13 | 24.01 | 1733 | 1325 | 1418 | 1064 |
| | 33-27 | 54058 | 63465 | 72'-0" | 81'-5" | 21.95 | 24.82 | 1797 | 1373 | 1471 | 1103 |
| | 33-28 | 55980 | 65722 | 74'-8" | 84'-1" | 22.76 | 25.64 | 1861 | 1422 | 1523 | 1142 |
| | 33-29 | 57903 | 67979 | 77'-4" | 86'-9" | 23.57 | 26.45 | 1925 | 1471 | 1575 | 1181 |
| | 33-30 | 59825 | 70235 | 80'-0" | 89'-5" | 24.38 | 27.26 | 1989 | 1520 | 1628 | 1221 |
| | 33-31 | 61747 | 72492 | 82'-8" | 92'-1" | 25.20 | 28.07 | 2053 | 1569 | 1680 | 1260 |
| | 33-32 | 63669 | 74749 | 85'-4" | 94'-9" | 26.01 | 28.89 | 2117 | 1618 | 1732 | 1299 |
| **36 ft**. (10.97 M) Diameter | 36-12 | 30246 | 35509 | 32'-0" | 42'-3" | 9.75 | 12.89 | 1006 | 768 | 823 | 617 |
| | 36-13 | 32533 | 38195 | 34'-8" | 44'-11" | 10.57 | 13.70 | 1082 | 827 | 885 | 664 |
| | 36-14 | 34821 | 40880 | 37'-4" | 47'-7" | 11.38 | 14.52 | 1158 | 885 | 947 | 710 |
| | 36-15 | 37109 | 43566 | 40'-0" | 50'-3" | 12.19 | 15.33 | 1234 | 943 | 1010 | 757 |
| | 36-16 | 39396 | 46252 | 42'-8" | 52'-11" | 13.00 | 16.14 | 1310 | 1001 | 1072 | 804 |
| | 36-17 | 41684 | 48938 | 45'-4" | 55'-7" | 13.82 | 16.95 | 1386 | 1059 | 1134 | 850 |
| | 36-18 | 43972 | 51623 | 48'-0" | 58'-3" | 14.63 | 17.77 | 1462 | 1117 | 1196 | 897 |
| | 36-19 | 46259 | 54309 | 50'-8" | 60'-11" | 15.44 | 18.58 | 1538 | 1175 | 1258 | 944 |
| | 36-20 | 48547 | 56995 | 53'-4" | 63'-7" | 16.26 | 19.39 | 1614 | 1233 | 1321 | 991 |
| | 36-21 | 50835 | 59681 | 56'-0" | 66'-4" | 17.07 | 20.21 | 1690 | 1292 | 1383 | 1037 |
| | 36-22 | 53122 | 62366 | 58'-8" | 68'-11" | 17.88 | 21.02 | 1766 | 1350 | 1445 | 1084 |
| | 36-23 | 55410 | 65052 | 61'-4" | 71'-8" | 18.69 | 21.83 | 1842 | 1408 | 1507 | 1131 |
| | 36-24 | 57698 | 67738 | 64'-0" | 74'-4" | 19.51 | 22.64 | 1918 | 1466 | 1570 | 1177 |
| | 36-25 | 59985 | 70424 | 66'-8" | 76'-11" | 20.32 | 23.46 | 1994 | 1524 | 1632 | 1224 |
| | 36-26 | 62273 | 73109 | 69'-4" | 79'-8" | 21.13 | 24.27 | 2070 | 1582 | 1694 | 1271 |
| | 36-27 | 64561 | 75795 | 72'-0" | 82'-4" | 21.95 | 25.08 | 2146 | 1640 | 1756 | 1317 |
| | 36-28 | 66848 | 78481 | 74'-8" | 84'-11" | 22.76 | 25.90 | 2222 | 1698 | 1819 | 1364 |
| | 36-29 | 69136 | 81166 | 77'-4" | 87'-8" | 23.57 | 26.71 | 2298 | 1757 | 1881 | 1411 |
| | 36-30 | 71423 | 83852 | 80'-0" | 90'-4" | 24.38 | 27.52 | 2374 | 1815 | 1943 | 1457 |
| | 36-31 | 73711 | 86538 | 82'-8" | 92'-11" | 25.20 | 28.33 | 2450 | 1873 | 2005 | 1504 |
| | 36-32 | 75999 | 89224 | 85'-4" | 95'-8" | 26.01 | 29.15 | 2527 | 1931 | 2068 | 1551 |
| | 36-33 | 78286 | 91909 | 88'-0" | 98'-4" | 26.82 | 29.96 | 2603 | 1989 | 2130 | 1597 |
| | 36-34 | 80574 | 94595 | 90'-8" | 100'-11" | 27.64 | 30.77 | 2679 | 2047 | 2192 | 1644 |
| | 36-35 | 82862 | 97281 | 93'-4" | 103'-8" | 28.45 | 31.58 | 2755 | 2105 | 2254 | 1691 |
| | 36-36 | 85149 | 99967 | 96'-0" | 106'-4" | 29.26 | 32.40 | 2831 | 2163 | 2316 | 1737 |
| | 36-37 | 87437 | 102652 | 98'-8" | 108'-11" | 30.07 | 33.21 | 2907 | 2222 | 2379 | 1784 |
| | 36-38 | 89725 | 105338 | 101'-4" | 111'-8" | 30.89 | 34.02 | 2983 | 2280 | 2441 | 1831 |

**TYPICAL GRAIN DENSITIES -** WHEAT: Approximately 772 kg/m$^3$ (48.2 lb/ft$^3$) I CORN: Approximately 721 kg/m$^3$ (45 lb/ft$^3$) I RICE: Approximately 579 kg/m$^3$ (36.1 lb/ft$^3$)

**COMMERCIAL BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **42 ft**. (12.80 M) Diameter | 42-12 | 41785 | 49057 | 32'-0" | 44'-0" | 9.75 | 13.41 | 1389 | 1062 | 1137 | 853 |
| | 42-13 | 44899 | 52712 | 34'-8" | 46'-8" | 10.57 | 14.22 | 1493 | 1141 | 1221 | 916 |
| | 42-14 | 48013 | 56368 | 37'-4" | 49'-4" | 11.38 | 15.04 | 1596 | 1220 | 1306 | 980 |
| | 42-15 | 51127 | 60023 | 40'-0" | 52'-0" | 12.19 | 15.85 | 1700 | 1299 | 1391 | 1043 |
| | 42-16 | 54240 | 63679 | 42'-8" | 54'-8" | 13.00 | 16.66 | 1803 | 1378 | 1476 | 1107 |
| | 42-17 | 57354 | 67335 | 45'-4" | 57'-4" | 13.82 | 17.48 | 1907 | 1457 | 1560 | 1170 |
| | 42-18 | 60468 | 70990 | 48'-0" | 60'-0" | 14.63 | 18.29 | 2010 | 1536 | 1645 | 1234 |
| | 42-19 | 63582 | 74646 | 50'-8" | 62'-8" | 15.44 | 19.10 | 2114 | 1615 | 1730 | 1297 |
| | 42-20 | 66695 | 78301 | 53'-4" | 65'-4" | 16.26 | 19.91 | 2217 | 1695 | 1814 | 1361 |
| | 42-21 | 69809 | 81957 | 56'-0" | 68'-0" | 17.07 | 20.73 | 2321 | 1774 | 1899 | 1424 |
| | 42-22 | 72923 | 85613 | 58'-8" | 70'-8" | 17.88 | 21.54 | 2424 | 1853 | 1984 | 1488 |
| | 42-23 | 76037 | 89268 | 61'-4" | 73'-4" | 18.69 | 22.35 | 2528 | 1932 | 2069 | 1551 |
| | 42-24 | 79150 | 92924 | 64'-0" | 76'-0" | 19.51 | 23.16 | 2631 | 2011 | 2153 | 1615 |
| | 42-25 | 82264 | 96579 | 66'-8" | 78'-8" | 20.32 | 23.98 | 2735 | 2090 | 2238 | 1678 |
| | 42-26 | 85378 | 100235 | 69'-4" | 81'-4" | 21.13 | 24.79 | 2838 | 2169 | 2323 | 1742 |
| | 42-27 | 88492 | 103890 | 72'-0" | 84'-0" | 21.95 | 25.60 | 2942 | 2248 | 2407 | 1806 |
| | 42-28 | 91605 | 107546 | 74'-8" | 86'-8" | 22.76 | 26.42 | 3045 | 2327 | 2492 | 1869 |
| | 42-29 | 94719 | 111202 | 77'-4" | 89'-4" | 23.57 | 27.23 | 3149 | 2407 | 2577 | 1933 |
| | 42-30 | 97833 | 114857 | 80'-0" | 92'-0" | 24.38 | 28.04 | 3252 | 2486 | 2661 | 1996 |
| | 42-31 | 100947 | 118513 | 82'-8" | 94'-8" | 25.20 | 28.85 | 3356 | 2565 | 2746 | 2060 |
| | 42-32 | 104060 | 122168 | 85'-4" | 97'-4" | 26.01 | 29.67 | 3459 | 2644 | 2831 | 2123 |
| | 42-33 | 107174 | 125824 | 88'-0" | 100'-0" | 26.82 | 30.48 | 3563 | 2723 | 2916 | 2187 |
| | 42-34 | 110288 | 129480 | 90'-8" | 102'-8" | 27.64 | 31.29 | 3666 | 2802 | 3000 | 2250 |
| | 42-35 | 113402 | 133135 | 93'-4" | 105'-4" | 28.45 | 32.11 | 3770 | 2881 | 3085 | 2314 |
| | 42-36 | 116515 | 136791 | 96'-0" | 108'-0" | 29.26 | 32.92 | 3873 | 2960 | 3170 | 2377 |
| | 42-37 | 119629 | 140446 | 98'-8" | 110'-8" | 30.07 | 33.73 | 3977 | 3039 | 3254 | 2441 |
| | 42-38 | 122743 | 144102 | 101'-4" | 113'-4" | 30.89 | 34.54 | 4081 | 3119 | 3339 | 2504 |
| | 42-39 | 125857 | 147758 | 104'-0" | 116'-0" | 31.70 | 35.36 | 4184 | 3198 | 3424 | 2568 |
| | 42-40 | 128970 | 151413 | 106'-8" | 118'-8" | 32.51 | 36.17 | 4288 | 3277 | 3509 | 2631 |
| **48 ft**. (14.63 M) Diameter | 48-12 | 55383 | 65021 | 32'-0" | 45'-9" | 9.75 | 13.94 | 1841 | 1407 | 1507 | 1130 |
| | 48-13 | 59450 | 69796 | 34'-8" | 48'-5" | 10.57 | 14.75 | 1976 | 1510 | 1617 | 1213 |
| | 48-14 | 63517 | 74570 | 37'-4" | 51'-1" | 11.38 | 15.57 | 2112 | 1614 | 1728 | 1296 |
| | 48-15 | 67584 | 79345 | 40'-0" | 53'-9" | 12.19 | 16.38 | 2247 | 1717 | 1839 | 1379 |
| | 48-16 | 71651 | 84120 | 42'-8" | 56'-5" | 13.00 | 17.19 | 2382 | 1820 | 1949 | 1462 |
| | 48-17 | 75718 | 88894 | 45'-4" | 59'-1" | 13.82 | 18.01 | 2517 | 1924 | 2060 | 1545 |
| | 48-18 | 79785 | 93669 | 48'-0" | 61'-9" | 14.63 | 18.82 | 2652 | 2027 | 2171 | 1628 |
| | 48-19 | 83852 | 98443 | 50'-8" | 64'-5" | 15.44 | 19.63 | 2788 | 2130 | 2281 | 1711 |
| | 48-20 | 87919 | 103218 | 53'-4" | 67'-1" | 16.26 | 20.44 | 2923 | 2234 | 2392 | 1794 |
| | 48-21 | 91986 | 107993 | 56'-0" | 69'-9" | 17.07 | 21.26 | 3058 | 2337 | 2502 | 1877 |
| | 48-22 | 96053 | 112767 | 58'-8" | 72'-5" | 17.88 | 22.07 | 3193 | 2440 | 2613 | 1960 |
| | 48-23 | 100120 | 117542 | 61'-4" | 75'-1" | 18.69 | 22.88 | 3328 | 2544 | 2724 | 2043 |
| | 48-24 | 104187 | 122317 | 64'-0" | 77'-9" | 19.51 | 23.70 | 3464 | 2647 | 2834 | 2126 |
| | 48-25 | 108254 | 127091 | 66'-8" | 80'-5" | 20.32 | 24.51 | 3599 | 2750 | 2945 | 2209 |
| | 48-26 | 112321 | 131866 | 69'-4" | 83'-1" | 21.13 | 25.32 | 3734 | 2854 | 3056 | 2292 |
| | 48-27 | 116387 | 136641 | 72'-0" | 85'-9" | 21.95 | 26.13 | 3869 | 2957 | 3166 | 2375 |
| | 48-28 | 120454 | 141415 | 74'-8" | 88'-5" | 22.76 | 26.95 | 4004 | 3060 | 3277 | 2458 |
| | 48-29 | 124521 | 146190 | 77'-4" | 91'-1" | 23.57 | 27.76 | 4140 | 3164 | 3388 | 2541 |
| | 48-30 | 128588 | 150965 | 80'-0" | 93'-9" | 24.38 | 28.57 | 4275 | 3267 | 3498 | 2624 |
| | 48-31 | 132655 | 155739 | 82'-8" | 96'-5" | 25.20 | 29.38 | 4410 | 3370 | 3609 | 2707 |
| | 48-32 | 136722 | 160514 | 85'-4" | 99'-1" | 26.01 | 30.20 | 4545 | 3474 | 3719 | 2790 |
| | 48-33 | 140789 | 165289 | 88'-0" | 101'-9" | 26.82 | 31.01 | 4680 | 3577 | 3830 | 2873 |
| | 48-34 | 144856 | 170063 | 90'-8" | 104'-5" | 27.64 | 31.82 | 4816 | 3680 | 3941 | 2956 |
| | 48-35 | 148923 | 174838 | 93'-4" | 107'-1" | 28.45 | 32.64 | 4951 | 3784 | 4051 | 3039 |
| | 48-36 | 152990 | 179612 | 96'-0" | 109'-9" | 29.26 | 33.45 | 5086 | 3887 | 4162 | 3122 |
| | 48-37 | 157057 | 184387 | 98'-8" | 112'-5" | 30.07 | 34.26 | 5221 | 3990 | 4273 | 3204 |
| | 48-38 | 161124 | 189162 | 101'-4" | 115'-1" | 30.89 | 35.07 | 5356 | 4094 | 4383 | 3287 |
| | 48-39 | 165191 | 193936 | 104'-0" | 117'-9" | 31.70 | 35.89 | 5492 | 4197 | 4494 | 3370 |
| | 48-40 | 169258 | 198711 | 106'-8" | 120'-5" | 32.51 | 36.70 | 5627 | 4300 | 4605 | 3453 |

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**COMMERCIAL BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **54 ft**. (16.46 M) Diameter | 54-12 | 71115 | 83491 | 32'-0" | 47'-5" | 9.75 | 14.46 | 2364 | 1807 | 1935 | 1451 |
| | 54-13 | 76263 | 89534 | 34'-8" | 50'-1" | 10.57 | 15.27 | 2535 | 1938 | 2075 | 1556 |
| | 54-14 | 81410 | 95576 | 37'-4" | 52'-9" | 11.38 | 16.09 | 2706 | 2068 | 2215 | 1661 |
| | 54-15 | 86557 | 101619 | 40'-0" | 55'-5" | 12.19 | 16.90 | 2878 | 2199 | 2355 | 1766 |
| | 54-16 | 91704 | 107662 | 42'-8" | 58'-1" | 13.00 | 17.71 | 3049 | 2330 | 2495 | 1871 |
| | 54-17 | 96852 | 113705 | 45'-4" | 60'-9" | 13.82 | 18.53 | 3220 | 2461 | 2635 | 1976 |
| | 54-18 | 101999 | 119748 | 48'-0" | 63'-5" | 14.63 | 19.34 | 3391 | 2592 | 2775 | 2081 |
| | 54-19 | 107146 | 125791 | 50'-8" | 66'-1" | 15.44 | 20.15 | 3562 | 2722 | 2915 | 2186 |
| | 54-20 | 112293 | 131834 | 53'-4" | 68'-9" | 16.26 | 20.96 | 3733 | 2853 | 3055 | 2291 |
| | 54-21 | 117440 | 137877 | 56'-0" | 71'-5" | 17.07 | 21.78 | 3904 | 2984 | 3195 | 2396 |
| | 54-22 | 122588 | 143920 | 58'-8" | 74'-1" | 17.88 | 22.59 | 4075 | 3115 | 3335 | 2501 |
| | 54-23 | 127735 | 149963 | 61'-4" | 76'-9" | 18.69 | 23.40 | 4246 | 3245 | 3475 | 2606 |
| | 54-24 | 132882 | 156006 | 64'-0" | 79'-5" | 19.51 | 24.22 | 4418 | 3376 | 3615 | 2711 |
| | 54-25 | 138029 | 162049 | 66'-8" | 82'-1" | 20.32 | 25.03 | 4589 | 3507 | 3755 | 2816 |
| | 54-26 | 143177 | 168091 | 69'-4" | 84'-9" | 21.13 | 25.84 | 4760 | 3638 | 3895 | 2921 |
| | 54-27 | 148324 | 174134 | 72'-0" | 87'-5" | 21.95 | 26.65 | 4931 | 3769 | 4035 | 3026 |
| | 54-28 | 153471 | 180177 | 74'-8" | 90'-1" | 22.76 | 27.47 | 5102 | 3899 | 4175 | 3131 |
| | 54-29 | 158618 | 186220 | 77'-4" | 92'-9" | 23.57 | 28.28 | 5273 | 4030 | 4315 | 3236 |
| | 54-30 | 163765 | 192263 | 80'-0" | 95'-5" | 24.38 | 29.09 | 5444 | 4161 | 4455 | 3341 |
| | 54-31 | 168913 | 198306 | 82'-8" | 98'-1" | 25.20 | 29.91 | 5615 | 4292 | 4595 | 3446 |
| | 54-32 | 174060 | 204349 | 85'-4" | 100'-9" | 26.01 | 30.72 | 5787 | 4422 | 4735 | 3551 |
| | 54-33 | 179207 | 210392 | 88'-0" | 103'-5" | 26.82 | 31.53 | 5958 | 4553 | 4875 | 3656 |
| | 54-34 | 184354 | 216435 | 90'-8" | 106'-1" | 27.64 | 32.34 | 6129 | 4684 | 5015 | 3761 |
| | 54-35 | 189502 | 222478 | 93'-4" | 108'-9" | 28.45 | 33.16 | 6300 | 4815 | 5155 | 3866 |
| | 54-36 | 194649 | 228521 | 96'-0" | 111'-5" | 29.26 | 33.97 | 6471 | 4946 | 5295 | 3972 |
| | 54-37 | 199796 | 234564 | 98'-8" | 114'-1" | 30.07 | 34.78 | 6642 | 5076 | 5435 | 4077 |
| | 54-38 | 204943 | 240606 | 101'-4" | 116'-9" | 30.89 | 35.60 | 6813 | 5207 | 5575 | 4182 |
| | 54-39 | 210090 | 246649 | 104'-0" | 119'-5" | 31.70 | 36.41 | 6984 | 5338 | 5715 | 4287 |
| | 54-40 | 215238 | 252692 | 106'-8" | 122'-1" | 32.51 | 37.22 | 7155 | 5469 | 5855 | 4392 |
| **60 ft**. (18.29 M) Diameter | 60-12 | 89057 | 104555 | 32'-0" | 49'-2" | 9.75 | 14.99 | 2961 | 2263 | 2423 | 1817 |
| | 60-13 | 95412 | 112015 | 34'-8" | 51'-10" | 10.57 | 15.80 | 3172 | 2424 | 2596 | 1947 |
| | 60-14 | 101766 | 119475 | 37'-4" | 54'-6" | 11.38 | 16.61 | 3383 | 2586 | 2769 | 2076 |
| | 60-15 | 108121 | 126936 | 40'-0" | 57'-2" | 12.19 | 17.43 | 3594 | 2747 | 2941 | 2206 |
| | 60-16 | 114476 | 134396 | 42'-8" | 59'-10" | 13.00 | 18.24 | 3806 | 2909 | 3114 | 2336 |
| | 60-17 | 120830 | 141857 | 45'-4" | 62'-6" | 13.82 | 19.05 | 4017 | 3070 | 3287 | 2465 |
| | 60-18 | 127185 | 149317 | 48'-0" | 65'-2" | 14.63 | 19.87 | 4228 | 3231 | 3460 | 2595 |
| | 60-19 | 133539 | 156777 | 50'-8" | 67'-10" | 15.44 | 20.68 | 4439 | 3393 | 3633 | 2725 |
| | 60-20 | 139894 | 164238 | 53'-4" | 70'-6" | 16.26 | 21.49 | 4651 | 3554 | 3806 | 2854 |
| | 60-21 | 146249 | 171698 | 56'-0" | 73'-2" | 17.07 | 22.30 | 4862 | 3716 | 3979 | 2984 |
| | 60-22 | 152603 | 179158 | 58'-8" | 75'-10" | 17.88 | 23.12 | 5073 | 3877 | 4152 | 3114 |
| | 60-23 | 158958 | 186619 | 61'-4" | 78'-6" | 18.69 | 23.93 | 5284 | 4039 | 4324 | 3243 |
| | 60-24 | 165312 | 194079 | 64'-0" | 81'-2" | 19.51 | 24.74 | 5496 | 4200 | 4497 | 3373 |
| | 60-25 | 171667 | 201540 | 66'-8" | 83'-10" | 20.32 | 25.56 | 5707 | 4362 | 4670 | 3503 |
| | 60-26 | 178022 | 209000 | 69'-4" | 86'-6" | 21.13 | 26.37 | 5918 | 4523 | 4843 | 3632 |
| | 60-27 | 184376 | 216460 | 72'-0" | 89'-2" | 21.95 | 27.18 | 6129 | 4685 | 5016 | 3762 |
| | 60-28 | 190731 | 223921 | 74'-8" | 91'-10" | 22.76 | 27.99 | 6341 | 4846 | 5189 | 3892 |
| | 60-29 | 197085 | 231381 | 77'-4" | 94'-6" | 23.57 | 28.81 | 6552 | 5007 | 5362 | 4021 |
| | 60-30 | 203440 | 238842 | 80'-0" | 97'-2" | 24.38 | 29.62 | 6763 | 5169 | 5534 | 4151 |
| | 60-31 | 209795 | 246302 | 82'-8" | 99'-10" | 25.20 | 30.43 | 6974 | 5330 | 5707 | 4281 |
| | 60-32 | 216149 | 253762 | 85'-4" | 102'-6" | 26.01 | 31.25 | 7186 | 5492 | 5880 | 4410 |
| | 60-33 | 222504 | 261223 | 88'-0" | 105'-2" | 26.82 | 32.06 | 7397 | 5653 | 6053 | 4540 |
| | 60-34 | 228858 | 268683 | 90'-8" | 107'-10" | 27.64 | 32.87 | 7608 | 5815 | 6226 | 4669 |
| | 60-35 | 235213 | 276143 | 93'-4" | 110'-6" | 28.45 | 33.68 | 7820 | 5976 | 6399 | 4799 |
| | 60-36 | 241567 | 283604 | 96'-0" | 113'-2" | 29.26 | 34.50 | 8031 | 6138 | 6572 | 4929 |
| | 60-37 | 247922 | 291064 | 98'-8" | 115'-10" | 30.07 | 35.31 | 8242 | 6299 | 6745 | 5058 |
| | 60-38 | 254277 | 298525 | 101'-4" | 118'-6" | 30.89 | 36.12 | 8453 | 6461 | 6917 | 5188 |
| | 60-39 | 260631 | 305985 | 104'-0" | 121'-2" | 31.70 | 36.93 | 8665 | 6622 | 7090 | 5318 |
| | 60-40 | 266986 | 313445 | 106'-8" | 123'-10" | 32.51 | 37.75 | 8876 | 6783 | 7263 | 5447 |

**TYPICAL GRAIN DENSITIES -** WHEAT: Approximately 772 kg/m$^3$ (48.2 lb/ft$^3$) I CORN: Approximately 721 kg/m$^3$ (45 lb/ft$^3$) I RICE: Approximately 579 kg/m$^3$ (36.1 lb/ft$^3$)

**COMMERCIAL BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **72 ft**. (21.95 M) Diameter | 72-12 | 131872 | 154820 | 32'-0" | 51'-8" | 9.75 | 15.76 | 4384 | 3351 | 3588 | 2691 |
| | 72-13 | 141023 | 165563 | 34'-8" | 54'-4" | 10.57 | 16.57 | 4688 | 3583 | 3836 | 2877 |
| | 72-14 | 150174 | 176306 | 37'-4" | 57'-0" | 11.38 | 17.39 | 4992 | 3816 | 4085 | 3064 |
| | 72-15 | 159324 | 187049 | 40'-0" | 59'-8" | 12.19 | 18.20 | 5297 | 4048 | 4334 | 3251 |
| | 72-16 | 168475 | 197792 | 42'-8" | 62'-4" | 13.00 | 19.01 | 5601 | 4281 | 4583 | 3437 |
| | 72-17 | 177625 | 208535 | 45'-4" | 65'-0" | 13.82 | 19.82 | 5905 | 4513 | 4832 | 3624 |
| | 72-18 | 186776 | 219278 | 48'-0" | 67'-8" | 14.63 | 20.64 | 6209 | 4745 | 5081 | 3811 |
| | 72-19 | 195927 | 230021 | 50'-8" | 70'-4" | 15.44 | 21.45 | 6513 | 4978 | 5330 | 3998 |
| | 72-20 | 205077 | 240764 | 53'-4" | 73'-0" | 16.26 | 22.26 | 6818 | 5210 | 5579 | 4184 |
| | 72-21 | 214228 | 251507 | 56'-0" | 75'-8" | 17.07 | 23.08 | 7122 | 5443 | 5828 | 4371 |
| | 72-22 | 223378 | 262250 | 58'-8" | 78'-4" | 17.88 | 23.89 | 7426 | 5675 | 6077 | 4558 |
| | 72-23 | 232529 | 272993 | 61'-4" | 81'-0" | 18.69 | 24.70 | 7730 | 5908 | 6326 | 4744 |
| | 72-24 | 241680 | 283736 | 64'-0" | 83'-8" | 19.51 | 25.51 | 8034 | 6140 | 6575 | 4931 |
| | 72-25 | 250830 | 294479 | 66'-8" | 86'-4" | 20.32 | 26.33 | 8339 | 6373 | 6824 | 5118 |
| | 72-26 | 259981 | 305221 | 69'-4" | 89'-0" | 21.13 | 27.14 | 8643 | 6605 | 7073 | 5305 |
| | 72-27 | 269131 | 315964 | 72'-0" | 91'-8" | 21.95 | 27.95 | 8947 | 6838 | 7322 | 5491 |
| | 72-28 | 278282 | 326707 | 74'-8" | 94'-4" | 22.76 | 28.77 | 9251 | 7070 | 7571 | 5678 |
| | 72-29 | 287433 | 337450 | 77'-4" | 97'-0" | 23.57 | 29.58 | 9556 | 7303 | 7819 | 5865 |
| | 72-30 | 296583 | 348193 | 80'-0" | 99'-8" | 24.38 | 30.39 | 9860 | 7535 | 8068 | 6051 |
| | 72-31 | 305734 | 358936 | 82'-8" | 102'-4" | 25.20 | 31.20 | 10164 | 7768 | 8317 | 6238 |
| | 72-32 | 314885 | 369679 | 85'-4" | 105'-0" | 26.01 | 32.02 | 10468 | 8000 | 8566 | 6425 |
| | 72-33 | 324035 | 380422 | 88'-0" | 107'-8" | 26.82 | 32.83 | 10772 | 8233 | 8815 | 6611 |
| | 72-34 | 333186 | 391165 | 90'-8" | 110'-4" | 27.64 | 33.64 | 11077 | 8465 | 9064 | 6798 |
| | 72-35 | 342336 | 401908 | 93'-4" | 113'-0" | 28.45 | 34.46 | 11381 | 8698 | 9313 | 6985 |
| | 72-36 | 351487 | 412651 | 96'-0" | 115'-8" | 29.26 | 35.27 | 11685 | 8930 | 9562 | 7172 |
| | 72-37 | 360638 | 423394 | 98'-8" | 118'-4" | 30.07 | 36.08 | 11989 | 9163 | 9811 | 7358 |
| | 72-38 | 369788 | 434137 | 101'-4" | 121'-0" | 30.89 | 36.89 | 12293 | 9395 | 10060 | 7545 |
| | 72-39 | 378939 | 444880 | 104'-0" | 123'-8" | 31.70 | 37.71 | 12598 | 9628 | 10309 | 7732 |
| | 72-40 | 388089 | 455623 | 106'-8" | 126'-4" | 32.51 | 38.52 | 12902 | 9860 | 10558 | 7918 |
| **75 ft**. (22.86 M) Diameter | 75-12 | 144075 | 169147 | 32'-0" | 52'-7" | 9.75 | 16.01 | 4790 | 3661 | 3920 | 2940 |
| | 75-13 | 154004 | 180803 | 34'-8" | 55'-3" | 10.57 | 16.83 | 5120 | 3913 | 4190 | 3142 |
| | 75-14 | 163933 | 192460 | 37'-4" | 57'-11" | 11.38 | 17.64 | 5450 | 4165 | 4460 | 3345 |
| | 75-15 | 173862 | 204117 | 40'-0" | 60'-7" | 12.19 | 18.45 | 5780 | 4417 | 4730 | 3547 |
| | 75-16 | 183791 | 215774 | 42'-8" | 63'-3" | 13.00 | 19.27 | 6110 | 4670 | 5000 | 3750 |
| | 75-17 | 193721 | 227431 | 45'-4" | 65'-11" | 13.82 | 20.08 | 6440 | 4922 | 5270 | 3953 |
| | 75-18 | 203650 | 239088 | 48'-0" | 68'-7" | 14.63 | 20.89 | 6770 | 5174 | 5540 | 4155 |
| | 75-19 | 213579 | 250745 | 50'-8" | 71'-3" | 15.44 | 21.70 | 7100 | 5426 | 5810 | 4358 |
| | 75-20 | 223508 | 262401 | 53'-4" | 73'-11" | 16.26 | 22.52 | 7430 | 5679 | 6080 | 4560 |
| | 75-21 | 233437 | 274058 | 56'-0" | 76'-7" | 17.07 | 23.33 | 7760 | 5931 | 6351 | 4763 |
| | 75-22 | 243366 | 285715 | 58'-8" | 79'-3" | 17.88 | 24.14 | 8091 | 6183 | 6621 | 4965 |
| | 75-23 | 253295 | 297372 | 61'-4" | 81'-11" | 18.69 | 24.96 | 8421 | 6436 | 6891 | 5168 |
| | 75-24 | 263224 | 309029 | 64'-0" | 84'-7" | 19.51 | 25.77 | 8751 | 6688 | 7161 | 5371 |
| | 75-25 | 273153 | 320686 | 66'-8" | 87'-3" | 20.32 | 26.58 | 9081 | 6940 | 7431 | 5573 |
| | 75-26 | 283082 | 332342 | 69'-4" | 89'-11" | 21.13 | 27.39 | 9411 | 7192 | 7701 | 5776 |
| | 75-27 | 293011 | 343999 | 72'-0" | 92'-7" | 21.95 | 28.21 | 9741 | 7445 | 7971 | 5978 |
| | 75-28 | 302940 | 355656 | 74'-8" | 95'-3" | 22.76 | 29.02 | 10071 | 7697 | 8241 | 6181 |
| | 75-29 | 312869 | 367313 | 77'-4" | 97'-11" | 23.57 | 29.83 | 10401 | 7949 | 8511 | 6384 |
| | 75-30 | 322798 | 378970 | 80'-0" | 100'-7" | 24.38 | 30.65 | 10731 | 8201 | 8782 | 6586 |
| | 75-31 | 332727 | 390627 | 82'-8" | 103'-3" | 25.20 | 31.46 | 11061 | 8454 | 9052 | 6789 |
| | 75-32 | 342656 | 402284 | 85'-4" | 105'-11" | 26.01 | 32.27 | 11391 | 8706 | 9322 | 6991 |
| | 75-33 | 352585 | 413940 | 88'-0" | 108'-7" | 26.82 | 33.08 | 11721 | 8958 | 9592 | 7194 |
| | 75-34 | 362514 | 425597 | 90'-8" | 111'-3" | 27.64 | 33.90 | 12052 | 9211 | 9862 | 7397 |
| | 75-35 | 372443 | 437254 | 93'-4" | 113'-11" | 28.45 | 34.71 | 12382 | 9463 | 10132 | 7599 |
| | 75-36 | 382372 | 448911 | 96'-0" | 116'-7" | 29.26 | 35.52 | 12712 | 9715 | 10402 | 7802 |
| | 75-37 | 392302 | 460568 | 98'-8" | 119'-3" | 30.07 | 36.33 | 13042 | 9967 | 10672 | 8004 |
| | 75-38 | 402231 | 472225 | 101'-4" | 121'-11" | 30.89 | 37.15 | 13372 | 10220 | 10943 | 8207 |
| | 75-39 | 412160 | 483882 | 104'-0" | 124'-7" | 31.70 | 37.96 | 13702 | 10472 | 11213 | 8409 |
| | 75-40 | 422089 | 495538 | 106'-8" | 127'-3" | 32.51 | 38.77 | 14032 | 10724 | 11483 | 8612 |

Specifications and design are subject to change without notice. All bins are designed for the storage of grain and other free-flowing materials weighing up to 52 lbs. per cubic foot (833 kg/m$^3$). Cubic foot and cubic meter volumes are based on bin fill height 1" below eave level with grain peaked at the center using a 28 degree angle of repose. Maximum bushel capacities and metric ton capacities are based on 6% compaction.

**COMMERCIAL BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **78 ft**. (23.77 M) Diameter | 78-12 | 156897 | 184199 | 32'-0" | 53'-5" | 9.75 | 16.27 | 5216 | 3986 | 4268 | 3201 |
| | 78-13 | 167636 | 196807 | 34'-8" | 56'-0" | 10.57 | 17.08 | 5573 | 4259 | 4560 | 3420 |
| | 78-14 | 178375 | 209415 | 37'-4" | 58'-8" | 11.38 | 17.89 | 5930 | 4532 | 4853 | 3639 |
| | 78-15 | 189115 | 222023 | 40'-0" | 61'-5" | 12.19 | 18.71 | 6287 | 4805 | 5145 | 3859 |
| | 78-16 | 199854 | 234631 | 42'-8" | 64'-0" | 13.00 | 19.52 | 6644 | 5078 | 5437 | 4078 |
| | 78-17 | 210593 | 247239 | 45'-4" | 66'-8" | 13.82 | 20.33 | 7001 | 5351 | 5729 | 4297 |
| | 78-18 | 221332 | 259848 | 48'-0" | 69'-5" | 14.63 | 21.15 | 7358 | 5623 | 6021 | 4516 |
| | 78-19 | 232072 | 272456 | 50'-8" | 72'-0" | 15.44 | 21.96 | 7715 | 5896 | 6313 | 4735 |
| | 78-20 | 242811 | 285064 | 53'-4" | 74'-8" | 16.26 | 22.77 | 8072 | 6169 | 6606 | 4954 |
| | 78-21 | 253550 | 297672 | 56'-0" | 77'-5" | 17.07 | 23.58 | 8429 | 6442 | 6898 | 5173 |
| | 78-22 | 264289 | 310280 | 58'-8" | 80'-0" | 17.88 | 24.40 | 8786 | 6715 | 7190 | 5392 |
| | 78-23 | 275029 | 322888 | 61'-4" | 82'-8" | 18.69 | 25.21 | 9143 | 6988 | 7482 | 5612 |
| | 78-24 | 285768 | 335496 | 64'-0" | 85'-5" | 19.51 | 26.02 | 9500 | 7261 | 7774 | 5831 |
| | 78-25 | 296507 | 348104 | 66'-8" | 88'-0" | 20.32 | 26.84 | 9857 | 7533 | 8066 | 6050 |
| | 78-26 | 307246 | 360712 | 69'-4" | 90'-8" | 21.13 | 27.65 | 10214 | 7806 | 8359 | 6269 |
| | 78-27 | 317986 | 373320 | 72'-0" | 93'-5" | 21.95 | 28.46 | 10571 | 8079 | 8651 | 6488 |
| | 78-28 | 328725 | 385928 | 74'-8" | 96'-0" | 22.76 | 29.27 | 10928 | 8352 | 8943 | 6707 |
| | 78-29 | 339464 | 398536 | 77'-4" | 98'-8" | 23.57 | 30.09 | 11285 | 8625 | 9235 | 6926 |
| | 78-30 | 350203 | 411144 | 80'-0" | 101'-5" | 24.38 | 30.90 | 11642 | 8898 | 9527 | 7145 |
| | 78-31 | 360943 | 423752 | 82'-8" | 104'-0" | 25.20 | 31.71 | 11999 | 9171 | 9819 | 7364 |
| | 78-32 | 371682 | 436360 | 85'-4" | 106'-8" | 26.01 | 32.52 | 12356 | 9443 | 10111 | 7584 |
| | 78-33 | 382421 | 448968 | 88'-0" | 109'-5" | 26.82 | 33.34 | 12713 | 9716 | 10404 | 7803 |
| | 78-34 | 393161 | 461576 | 90'-8" | 112'-0" | 27.64 | 34.15 | 13070 | 9989 | 10696 | 8022 |
| | 78-35 | 403900 | 474184 | 93'-4" | 114'-8" | 28.45 | 34.96 | 13427 | 10262 | 10988 | 8241 |
| | 78-36 | 414639 | 486793 | 96'-0" | 117'-5" | 29.26 | 35.78 | 13784 | 10535 | 11280 | 8460 |
| | 78-37 | 425378 | 499401 | 98'-8" | 120'-0" | 30.07 | 36.59 | 14141 | 10808 | 11572 | 8679 |
| | 78-38 | 436118 | 512009 | 101'-4" | 122'-8" | 30.89 | 37.40 | 14498 | 11081 | 11864 | 8898 |
| | 78-39 | 446857 | 524617 | 104'-0" | 125'-5" | 31.70 | 38.21 | 14855 | 11353 | 12157 | 9117 |
| | 78-40 | 457596 | 537225 | 106'-8" | 128'-0" | 32.51 | 39.03 | 15213 | 11626 | 12449 | 9337 |
| **90 ft**. (27.43 M) Diameter | 90-12 | 214558 | 251894 | 32'-0" | 55'-11" | 9.75 | 17.03 | 7133 | 5451 | 5837 | 4378 |
| | 90-13 | 228856 | 268680 | 34'-8" | 58'-6" | 10.57 | 17.84 | 7608 | 5815 | 6226 | 4669 |
| | 90-14 | 243154 | 285466 | 37'-4" | 61'-2" | 11.38 | 18.66 | 8083 | 6178 | 6615 | 4961 |
| | 90-15 | 257451 | 302252 | 40'-0" | 63'-11" | 12.19 | 19.47 | 8559 | 6541 | 7004 | 5253 |
| | 90-16 | 271749 | 319038 | 42'-8" | 66'-6" | 13.00 | 20.28 | 9034 | 6904 | 7393 | 5545 |
| | 90-17 | 286047 | 335824 | 45'-4" | 69'-2" | 13.82 | 21.09 | 9509 | 7268 | 7782 | 5836 |
| | 90-18 | 300345 | 352609 | 48'-0" | 71'-11" | 14.63 | 21.91 | 9985 | 7631 | 8171 | 6128 |
| | 90-19 | 314643 | 369395 | 50'-8" | 74'-6" | 15.44 | 22.72 | 10460 | 7994 | 8560 | 6420 |
| | 90-20 | 328941 | 386181 | 53'-4" | 77'-2" | 16.26 | 23.53 | 10935 | 8358 | 8949 | 6712 |
| | 90-21 | 343238 | 402967 | 56'-0" | 79'-11" | 17.07 | 24.35 | 11411 | 8721 | 9338 | 7003 |
| | 90-22 | 357536 | 419753 | 58'-8" | 82'-6" | 17.88 | 25.16 | 11886 | 9084 | 9727 | 7295 |
| | 90-23 | 371834 | 436539 | 61'-4" | 85'-2" | 18.69 | 25.97 | 12361 | 9447 | 10116 | 7587 |
| | 90-24 | 386132 | 453325 | 64'-0" | 87'-11" | 19.51 | 26.78 | 12837 | 9811 | 10505 | 7878 |
| | 90-25 | 400430 | 470111 | 66'-8" | 90'-6" | 20.32 | 27.60 | 13312 | 10174 | 10894 | 8170 |
| | 90-26 | 414728 | 486896 | 69'-4" | 93'-2" | 21.13 | 28.41 | 13787 | 10537 | 11282 | 8462 |
| | 90-27 | 429025 | 503682 | 72'-0" | 95'-11" | 21.95 | 29.22 | 14263 | 10900 | 11671 | 8754 |
| | 90-28 | 443323 | 520468 | 74'-8" | 98'-6" | 22.76 | 30.04 | 14738 | 11264 | 12060 | 9045 |
| | 90-29 | 457621 | 537254 | 77'-4" | 101'-2" | 23.57 | 30.85 | 15213 | 11627 | 12449 | 9337 |
| | 90-30 | 471919 | 554040 | 80'-0" | 103'-11" | 24.38 | 31.66 | 15689 | 11990 | 12838 | 9629 |
| | 90-31 | 486217 | 570826 | 82'-8" | 106'-6" | 25.20 | 32.47 | 16164 | 12353 | 13227 | 9920 |
| | 90-32 | 500515 | 587612 | 85'-4" | 109'-2" | 26.01 | 33.29 | 16639 | 12717 | 13616 | 10212 |
| | 90-33 | 514812 | 604397 | 88'-0" | 111'-11" | 26.82 | 34.10 | 17115 | 13080 | 14005 | 10504 |
| | 90-34 | 529110 | 621183 | 90'-8" | 114'-6" | 27.64 | 34.91 | 17590 | 13443 | 14394 | 10796 |
| | 90-35 | 543408 | 637969 | 93'-4" | 117'-2" | 28.45 | 35.73 | 18065 | 13807 | 14783 | 11087 |
| | 90-36 | 557706 | 654755 | 96'-0" | 119'-11" | 29.26 | 36.54 | 18541 | 14170 | 15172 | 11379 |
| | 90-37 | 572004 | 671541 | 98'-8" | 122'-6" | 30.07 | 37.35 | 19016 | 14533 | 15561 | 11671 |
| | 90-38 | 586302 | 688327 | 101'-4" | 125'-2" | 30.89 | 38.16 | 19491 | 14896 | 15950 | 11963 |
| | 90-39 | 600599 | 705113 | 104'-0" | 127'-11" | 31.70 | 38.98 | 19967 | 15260 | 16339 | 12254 |
| | 90-40 | 614897 | 721899 | 106'-8" | 130'-6" | 32.51 | 39.79 | 20442 | 15623 | 16728 | 12546 |

**TYPICAL GRAIN DENSITIES -** WHEAT: Approximately 772 kg/m$^3$ (48.2 lb/ft$^3$) I CORN: Approximately 721 kg/m$^3$ (45 lb/ft$^3$) I RICE: Approximately 579 kg/m$^3$ (36.1 lb/ft$^3$)

**COMMERCIAL BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 105-12 | 301687 | 354185 | 32'-0" | 60'-2" | 9.75 | 18.35 | 10029 | 7665 | 8207 | 6155 |
| | 105-13 | 321148 | 377032 | 34'-8" | 62'-10" | 10.57 | 19.16 | 10676 | 8160 | 8737 | 6553 |
| | 105-14 | 340609 | 399880 | 37'-4" | 65'-6" | 11.38 | 19.98 | 11323 | 8654 | 9266 | 6950 |
| | 105-15 | 360070 | 422727 | 40'-0" | 68'-2" | 12.19 | 20.79 | 11970 | 9148 | 9796 | 7347 |
| | 105-16 | 379530 | 445574 | 42'-8" | 70'-10" | 13.00 | 21.60 | 12617 | 9643 | 10325 | 7744 |
| | 105-17 | 398991 | 468422 | 45'-4" | 73'-6" | 13.82 | 22.42 | 13264 | 10137 | 10854 | 8141 |
| | 105-18 | 418452 | 491269 | 48'-0" | 76'-2" | 14.63 | 23.23 | 13911 | 10632 | 11384 | 8538 |
| | 105-19 | 437913 | 514117 | 50'-8" | 78'-10" | 15.44 | 24.04 | 14558 | 11126 | 11913 | 8935 |
| | 105-20 | 457374 | 536964 | 53'-4" | 81'-6" | 16.26 | 24.85 | 15205 | 11621 | 12443 | 9332 |
| | 105-21 | 476835 | 559812 | 56'-0" | 84'-2" | 17.07 | 25.67 | 15852 | 12115 | 12972 | 9729 |
| | 105-22 | 496296 | 582659 | 58'-8" | 86'-10" | 17.88 | 26.48 | 16499 | 12610 | 13502 | 10126 |
| | 105-23 | 515757 | 605507 | 61'-4" | 89'-6" | 18.69 | 27.29 | 17146 | 13104 | 14031 | 10523 |
| | 105-24 | 535218 | 628354 | 64'-0" | 92'-2" | 19.51 | 28.11 | 17793 | 13598 | 14560 | 10920 |
| **105 ft**. | 105-25 | 554679 | 651201 | 66'-8" | 94'-10" | 20.32 | 28.92 | 18440 | 14093 | 15090 | 11317 |
| (32.0 M) | 105-26 | 574140 | 674049 | 69'-4" | 97'-6" | 21.13 | 29.73 | 19087 | 14587 | 15619 | 11714 |
| Diameter | 105-27 | 593601 | 696896 | 72'-0" | 100'-2" | 21.95 | 30.54 | 19734 | 15082 | 16149 | 12111 |
| | 105-28 | 613062 | 719744 | 74'-8" | 102'-10" | 22.76 | 31.36 | 20381 | 15576 | 16678 | 12509 |
| | 105-29 | 632523 | 742591 | 77'-4" | 105'-6" | 23.57 | 32.17 | 21028 | 16071 | 17208 | 12906 |
| | 105-30 | 651984 | 765439 | 80'-0" | 108'-2" | 24.38 | 32.98 | 21675 | 16565 | 17737 | 13303 |
| | 105-31 | 671445 | 788286 | 82'-8" | 110'-10" | 25.20 | 33.79 | 22322 | 17060 | 18266 | 13700 |
| | 105-32 | 690906 | 811133 | 85'-4" | 113'-6" | 26.01 | 34.61 | 22969 | 17554 | 18796 | 14097 |
| | 105-33 | 710366 | 833981 | 88'-0" | 116'-2" | 26.82 | 35.42 | 23616 | 18049 | 19325 | 14494 |
| | 105-34 | 729827 | 856828 | 90'-8" | 118'-10" | 27.64 | 36.23 | 24263 | 18543 | 19855 | 14891 |
| | 105-35 | 749288 | 879676 | 93'-4" | 121'-6" | 28.45 | 37.05 | 24910 | 19037 | 20384 | 15288 |
| | 105-36 | 768749 | 902523 | 96'-0" | 124'-2" | 29.26 | 37.86 | 25557 | 19532 | 20913 | 15685 |
| | 105-37 | 788210 | 925371 | 98'-8" | 126'-10" | 30.07 | 38.67 | 26204 | 20026 | 21443 | 16082 |
| | 105-38 | 807671 | 948218 | 101'-4" | 129'-6" | 30.89 | 39.48 | 26851 | 20521 | 21972 | 16479 |
| | 105-39 | 827132 | 971066 | 104'-0" | 132'-2" | 31.70 | 40.30 | 27498 | 21015 | 22502 | 16876 |
| | 105-40 | 846593 | 993913 | 106'-8" | 134'-10" | 32.51 | 41.11 | 28144 | 21510 | 23031 | 17273 |
| | 135-12 | 530609 | 622943 | 32'-0" | 67'-5" | 9.75 | 20.55 | 17640 | 13481 | 14435 | 10826 |
| | 135-13 | 562779 | 660712 | 34'-8" | 70'-1" | 10.57 | 21.37 | 18709 | 14299 | 15310 | 11483 |
| | 135-14 | 594950 | 698480 | 37'-4" | 72'-9" | 11.38 | 22.18 | 19779 | 15116 | 16185 | 12139 |
| | 135-15 | 627120 | 736248 | 40'-0" | 75'-5" | 12.19 | 22.99 | 20848 | 15933 | 17061 | 12795 |
| | 135-16 | 659290 | 774016 | 42'-8" | 78'-1" | 13.00 | 23.80 | 21918 | 16751 | 17936 | 13452 |
| | 135-17 | 691460 | 811784 | 45'-4" | 80'-9" | 13.82 | 24.62 | 22987 | 17568 | 18811 | 14108 |
| | 135-18 | 723630 | 849553 | 48'-0" | 83'-5" | 14.63 | 25.43 | 24057 | 18386 | 19686 | 14765 |
| | 135-19 | 755800 | 887321 | 50'-8" | 86'-1" | 15.44 | 26.24 | 25126 | 19203 | 20561 | 15421 |
| | 135-20 | 787970 | 925089 | 53'-4" | 88'-9" | 16.26 | 27.06 | 26196 | 20020 | 21436 | 16077 |
| **135 ft**. | 135-21 | 820140 | 962857 | 56'-0" | 91'-5" | 17.07 | 27.87 | 27265 | 20838 | 22312 | 16734 |
| (41.15 M) | 135-22 | 852311 | 1000626 | 58'-8" | 94'-1" | 17.88 | 28.68 | 28335 | 21655 | 23187 | 17390 |
| Diameter | 135-23 | 884481 | 1038394 | 61'-4" | 96'-9" | 18.69 | 29.49 | 29404 | 22472 | 24062 | 18046 |
| | 135-24 | 916651 | 1076162 | 64'-0" | 99'-5" | 19.51 | 30.31 | 30474 | 23290 | 24937 | 18703 |
| | 135-25 | 948821 | 1113930 | 66'-8" | 102'-1" | 20.32 | 31.12 | 31543 | 24107 | 25812 | 19359 |
| | 135-26 | 980991 | 1151698 | 69'-4" | 104'-9" | 21.13 | 31.93 | 32612 | 24924 | 26687 | 20016 |
| | 135-27 | 1013161 | 1189467 | 72'-0" | 107'-5" | 21.95 | 32.75 | 33682 | 25742 | 27563 | 20672 |
| | 135-28 | 1045331 | 1227235 | 74'-8" | 110'-1" | 22.76 | 33.56 | 34751 | 26559 | 28438 | 21328 |
| | 135-29 | 1077502 | 1265003 | 77'-4" | 112'-9" | 23.57 | 34.37 | 35821 | 27376 | 29313 | 21985 |
| | 135-30 | 1109672 | 1302771 | 80'-0" | 115'-5" | 24.38 | 35.18 | 36890 | 28194 | 30188 | 22641 |
| | 135-31 | 1141842 | 1340539 | 82'-8" | 118'-1" | 25.20 | 36.00 | 37960 | 29011 | 31063 | 23297 |
| | 135-32 | 1174012 | 1378308 | 85'-4" | 120'-9" | 26.01 | 36.81 | 39029 | 29829 | 31938 | 23954 |

Specifications and design are subject to change without notice. All bins are designed for the storage of grain and other free-flowing materials weighing up to 52 lbs. per cubic foot (833 kg/m$^3$). Cubic foot and cubic meter volumes are based on bin fill height 1" below eave level with grain peaked at the center using a 28 degree angle of repose. Maximum bushel capacities and metric ton capacities are based on 6% compaction.

**COMMERCIAL HOPPER BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **15 ft**. (4.57 M) Diameter **45°** | HTT15-6-45 | 2963 | 3478 | 25'-10" | 30'-1" | 7.87 | 9.17 | 98 | 75 | 81 | 60 |
| | HTT15-7-45 | 3360 | 3945 | 28'-6" | 32'-9" | 8.69 | 9.98 | 112 | 85 | 91 | 69 |
| | HTT15-8-45 | 3757 | 4411 | 31'-2" | 35'-5" | 9.50 | 10.79 | 125 | 95 | 102 | 77 |
| | HTT15-9-45 | 4154 | 4877 | 33'-10" | 38'-1" | 10.31 | 11.61 | 138 | 106 | 113 | 85 |
| | HTT15-10-45 | 4551 | 5343 | 36'-6" | 40'-9" | 11.12 | 12.42 | 151 | 116 | 124 | 93 |
| | HTT15-11-45 | 4948 | 5810 | 39'-2" | 43'-5" | 11.94 | 13.23 | 165 | 126 | 135 | 101 |
| | HTT15-12-45 | 5346 | 6276 | 41'-10" | 46'-1" | 12.75 | 14.05 | 178 | 136 | 145 | 109 |
| | HTT15-13-45 | 5743 | 6742 | 44'-6" | 48'-9" | 13.56 | 14.86 | 191 | 146 | 156 | 117 |
| | HTT15-14-45 | 6140 | 7208 | 47'-2" | 51'-5" | 14.38 | 15.67 | 204 | 156 | 167 | 125 |
| | HTT15-15-45 | 6537 | 7675 | 49'-10" | 54'-1" | 15.19 | 16.48 | 217 | 166 | 178 | 133 |
| **15 ft**. (4.57 M) Diameter **60°** | HTT15-6-60 | 3234 | 3797 | 31'-3" | 35'-6" | 9.53 | 10.82 | 108 | 82 | 88 | 66 |
| | HTT15-7-60 | 3631 | 4263 | 33'-11" | 38'-2" | 10.34 | 11.63 | 121 | 92 | 99 | 74 |
| | HTT15-8-60 | 4028 | 4729 | 36'-7" | 40'-10" | 11.15 | 12.45 | 134 | 102 | 110 | 82 |
| | HTT15-9-60 | 4425 | 5195 | 39'-3" | 43'-6" | 11.96 | 13.26 | 147 | 112 | 120 | 90 |
| | HTT15-10-60 | 4822 | 5662 | 41'-11" | 46'-2" | 12.78 | 14.07 | 160 | 123 | 131 | 98 |
| | HTT15-11-60 | 5220 | 6128 | 44'-7" | 48'-10" | 13.59 | 14.88 | 174 | 133 | 142 | 106 |
| | HTT15-12-60 | 5617 | 6594 | 47'-3" | 51'-6" | 14.40 | 15.70 | 187 | 143 | 153 | 115 |
| | HTT15-13-60 | 6014 | 7060 | 49'-11" | 54'-2" | 15.21 | 16.51 | 200 | 153 | 164 | 123 |
| | HTT15-14-60 | 6411 | 7527 | 52'-7" | 56'-10" | 16.03 | 17.32 | 213 | 163 | 174 | 131 |
| **18 ft**. (5.49 M) Diameter **45°** | HTT18-6-45 | 4430 | 5200 | 27'-1" | 32'-2" | 8.25 | 9.81 | 147 | 113 | 121 | 90 |
| | HTT18-7-45 | 5002 | 5872 | 29'-9" | 34'-10" | 9.06 | 10.62 | 166 | 127 | 136 | 102 |
| | HTT18-8-45 | 5573 | 6543 | 32'-5" | 37'-6" | 9.88 | 11.43 | 185 | 142 | 152 | 114 |
| | HTT18-9-45 | 6145 | 7215 | 35'-1" | 40'-2" | 10.69 | 12.25 | 204 | 156 | 167 | 125 |
| | HTT18-10-45 | 6717 | 7886 | 37'-9" | 42'-10" | 11.50 | 13.06 | 223 | 171 | 183 | 137 |
| | HTT18-11-45 | 7289 | 8558 | 40'-5" | 45'-6" | 12.31 | 13.87 | 242 | 185 | 198 | 149 |
| | HTT18-12-45 | 7861 | 9229 | 43'-1" | 48'-2" | 13.13 | 14.68 | 261 | 200 | 214 | 160 |
| | HTT18-13-45 | 8433 | 9901 | 45'-9" | 50'-10" | 13.94 | 15.50 | 280 | 214 | 229 | 172 |
| | HTT18-14-45 | 9005 | 10572 | 48'-5" | 53'-6" | 14.75 | 16.31 | 299 | 229 | 245 | 184 |
| | HTT18-15-45 | 9577 | 11243 | 51'-1" | 56'-2" | 15.57 | 17.12 | 318 | 243 | 261 | 195 |
| | HTT18-16-45 | 10149 | 11915 | 53'-9" | 58'-10" | 16.38 | 17.93 | 337 | 258 | 276 | 207 |
| | HTT18-17-45 | 10721 | 12586 | 56'-5" | 61'-6" | 17.19 | 18.75 | 356 | 272 | 292 | 219 |
| **18 ft**. (5.49 M) Diameter **60°** | HTT18-6-60 | 4898 | 5751 | 33'-4" | 38'-5" | 10.16 | 11.72 | 163 | 124 | 133 | 100 |
| | HTT18-7-60 | 5470 | 6422 | 36'-0" | 41'-1" | 10.97 | 12.53 | 182 | 139 | 149 | 112 |
| | HTT18-8-60 | 6042 | 7093 | 38'-8" | 43'-9" | 11.79 | 13.34 | 201 | 154 | 164 | 123 |
| | HTT18-9-60 | 6614 | 7765 | 41'-4" | 46'-5" | 12.60 | 14.16 | 220 | 168 | 180 | 135 |
| | HTT18-10-60 | 7186 | 8436 | 44'-0" | 49'-1" | 13.41 | 14.97 | 239 | 183 | 195 | 147 |
| | HTT18-11-60 | 7758 | 9108 | 46'-8" | 51'-9" | 14.23 | 15.78 | 258 | 197 | 211 | 158 |
| | HTT18-12-60 | 8330 | 9779 | 49'-4" | 54'-5" | 15.04 | 16.59 | 277 | 212 | 227 | 170 |
| | HTT18-13-60 | 8902 | 10451 | 52'-0" | 57'-1" | 15.85 | 17.41 | 296 | 226 | 242 | 182 |
| | HTT18-14-60 | 9473 | 11122 | 54'-8" | 59'-9" | 16.66 | 18.22 | 315 | 241 | 258 | 193 |
| | HTT18-15-60 | 10045 | 11793 | 57'-4" | 62'-5" | 17.48 | 19.03 | 334 | 255 | 273 | 205 |

**TYPICAL GRAIN DENSITIES -** WHEAT: Approximately 772 kg/m$^3$ (48.2 lb/ft$^3$) I CORN: Approximately 721 kg/m$^3$ (45 lb/ft$^3$) I RICE: Approximately 579 kg/m$^3$ (36.1 lb/ft$^3$)

**COMMERCIAL HOPPER BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **21 ft**. (6.40 M) Diameter **45°** | HTT21-6-45 | 6252 | 7340 | 28'-4" | 34'-4" | 8.64 | 10.46 | 208 | 159 | 170 | 128 |
| | HTT21-7-45 | 7030 | 8253 | 31'-0" | 37' | 9.46 | 11.28 | 234 | 179 | 191 | 143 |
| | HTT21-8-45 | 7809 | 9167 | 33'-8" | 39'-8" | 10.27 | 12.09 | 260 | 198 | 212 | 159 |
| | HTT21-9-45 | 8587 | 10081 | 36'-4" | 42'-4" | 11.08 | 12.90 | 285 | 218 | 234 | 175 |
| | HTT21-10-45 | 9365 | 10995 | 39'-0" | 45' | 11.90 | 13.71 | 311 | 238 | 255 | 191 |
| | HTT21-11-45 | 10144 | 11909 | 41'-8" | 47'-8" | 12.71 | 14.53 | 337 | 258 | 276 | 207 |
| | HTT21-12-45 | 10922 | 12823 | 44'-4" | 50'-4" | 13.52 | 15.34 | 363 | 278 | 297 | 223 |
| | HTT21-13-45 | 11701 | 13737 | 47'-0" | 53' | 14.33 | 16.15 | 389 | 297 | 318 | 239 |
| | HTT21-14-45 | 12479 | 14651 | 49'-8" | 55'-8" | 15.15 | 16.97 | 415 | 317 | 339 | 255 |
| | HTT21-15-45 | 13258 | 15565 | 52'-4" | 58'-4" | 15.96 | 17.78 | 441 | 337 | 361 | 270 |
| | HTT21-16-45 | 14036 | 16478 | 55'-0" | 61' | 16.77 | 18.59 | 467 | 357 | 382 | 286 |
| | HTT21-17-45 | 14814 | 17392 | 57'-8" | 63'-8" | 17.58 | 19.40 | 492 | 376 | 403 | 302 |
| | HTT21-18-45 | 15593 | 18306 | 60'-4" | 66'-4" | 18.40 | 20.22 | 518 | 396 | 424 | 318 |
| | HTT21-19-45 | 16371 | 19220 | 63'-0" | 69' | 19.21 | 21.03 | 544 | 416 | 445 | 334 |
| **21 ft**. (6.40 M) Diameter **60°** | HTT21-6-60 | 6996 | 8213 | 35'-8" | 41'-8" | 10.88 | 12.70 | 233 | 178 | 190 | 143 |
| | HTT21-7-60 | 7774 | 9127 | 38'-4" | 44'-4" | 11.69 | 13.51 | 258 | 198 | 211 | 159 |
| | HTT21-8-60 | 8552 | 10041 | 41'-0" | 47'-0" | 12.51 | 14.33 | 284 | 217 | 233 | 175 |
| | HTT21-9-60 | 9331 | 10955 | 43'-8" | 49'-8" | 13.32 | 15.14 | 310 | 237 | 254 | 190 |
| | HTT21-10-60 | 10109 | 11869 | 46'-4" | 52'-4" | 14.13 | 15.95 | 336 | 257 | 275 | 206 |
| | HTT21-11-60 | 10888 | 12782 | 49'-0" | 55'-0" | 14.95 | 16.76 | 362 | 277 | 296 | 222 |
| | HTT21-12-60 | 11666 | 13696 | 51'-8" | 57'-8" | 15.76 | 17.58 | 388 | 296 | 317 | 238 |
| | HTT21-13-60 | 12445 | 14610 | 54'-4" | 60'-4" | 16.57 | 18.39 | 414 | 316 | 339 | 254 |
| | HTT21-14-60 | 13223 | 15524 | 57'-0" | 63'-0" | 17.38 | 19.20 | 440 | 336 | 360 | 270 |
| | HTT21-15-60 | 14002 | 16438 | 59'-8" | 65'-8" | 18.20 | 20.02 | 465 | 356 | 381 | 286 |
| | HTT21-16-60 | 14780 | 17352 | 62'-4" | 68'-4" | 19.01 | 20.83 | 491 | 376 | 402 | 302 |
| | HTT21-17-60 | 15558 | 18266 | 65'-0" | 71'-0" | 19.82 | 21.64 | 517 | 395 | 423 | 317 |
| **24 ft**. (7.32 M) Diameter **45°** | HTT24-6-45 | 8456 | 9927 | 31'-1" | 37'-11" | 9.48 | 11.56 | 281 | 215 | 230 | 173 |
| | HTT24-7-45 | 9473 | 11121 | 33'-9" | 40'-7" | 10.29 | 12.37 | 315 | 241 | 258 | 193 |
| | HTT24-8-45 | 10489 | 12315 | 36'-5" | 43'-3" | 11.10 | 13.19 | 349 | 267 | 285 | 214 |
| | HTT24-9-45 | 11506 | 13508 | 39'-1" | 45'-11" | 11.92 | 14.00 | 383 | 292 | 313 | 235 |
| | HTT24-10-45 | 12523 | 14702 | 41'-9" | 48'-7" | 12.73 | 14.81 | 416 | 318 | 341 | 256 |
| | HTT24-11-45 | 13540 | 15896 | 44'-5" | 51'-3" | 13.54 | 15.63 | 450 | 344 | 368 | 276 |
| | HTT24-12-45 | 14556 | 17089 | 47'-1" | 53'-11" | 14.36 | 16.44 | 484 | 370 | 396 | 297 |
| | HTT24-13-45 | 15573 | 18283 | 49'-9" | 56'-7" | 15.17 | 17.25 | 518 | 396 | 424 | 318 |
| | HTT24-14-45 | 16590 | 19477 | 52'-5" | 59'-3" | 15.98 | 18.06 | 552 | 422 | 451 | 338 |
| | HTT24-15-45 | 17606 | 20670 | 55'-1" | 61'-11" | 16.79 | 18.88 | 585 | 447 | 479 | 359 |
| | HTT24-16-45 | 18623 | 21864 | 57'-9" | 64'-7" | 17.61 | 19.69 | 619 | 473 | 507 | 380 |
| | HTT24-17-45 | 19640 | 23058 | 60'-5" | 67'-3" | 18.42 | 20.50 | 653 | 499 | 534 | 401 |
| | HTT24-18-45 | 20657 | 24251 | 63'-1" | 69'-11" | 19.23 | 21.32 | 687 | 525 | 562 | 421 |
| | HTT24-19-45 | 21673 | 25445 | 65'-9" | 72'-7" | 20.05 | 22.13 | 721 | 551 | 590 | 442 |
| **27 ft**. (8.23 M) Diameter **40°** | HTT27-6-40 | 10722 | 12588 | 30'-9" | 38'-5" | 9.37 | 11.72 | 356 | 272 | 292 | 219 |
| | HTT27-7-40 | 12009 | 14099 | 33'-5" | 41'-1" | 10.19 | 12.53 | 399 | 305 | 327 | 245 |
| | HTT27-8-40 | 13296 | 15609 | 36'-1" | 43'-9" | 11.00 | 13.34 | 442 | 338 | 362 | 271 |
| | HTT27-9-40 | 14582 | 17120 | 38'-9" | 46'-5" | 11.81 | 14.16 | 485 | 371 | 397 | 298 |
| | HTT27-10-40 | 15869 | 18631 | 41'-5" | 49'-1" | 12.62 | 14.97 | 528 | 403 | 432 | 324 |
| | HTT27-11-40 | 17156 | 20141 | 44'-1" | 51'-9" | 13.44 | 15.78 | 570 | 436 | 467 | 350 |
| | HTT27-12-40 | 18443 | 21652 | 46'-9" | 54'-5" | 14.25 | 16.60 | 613 | 469 | 502 | 376 |
| | HTT27-13-40 | 19730 | 23163 | 49'-5" | 57'-1" | 15.06 | 17.41 | 656 | 501 | 537 | 403 |
| | HTT27-14-40 | 21016 | 24674 | 52'-1" | 59'-9" | 15.88 | 18.22 | 699 | 534 | 572 | 429 |
| | HTT27-15-40 | 22303 | 26184 | 54'-9" | 62'-5" | 16.69 | 19.03 | 741 | 567 | 607 | 455 |
| | HTT27-16-40 | 23590 | 27695 | 57'-5" | 65'-1" | 17.50 | 19.85 | 784 | 599 | 642 | 481 |
| | HTT27-17-40 | 24877 | 29206 | 60'-1" | 67'-9" | 18.31 | 20.66 | 827 | 632 | 677 | 508 |
| | HTT27-18-40 | 26164 | 30717 | 62'-9" | 70'-5" | 19.13 | 21.47 | 870 | 665 | 712 | 534 |
| | HTT27-19-40 | 27450 | 32227 | 65'-5" | 73'-1" | 19.94 | 22.29 | 913 | 697 | 747 | 560 |

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**COMMERCIAL HOPPER BINS CAPACITIES**

| | MODEL | MAX CAPACITY (BUSHELS) | MAX CAPACITY (FT3) | EAVE HEIGHT (FEET) | OVERALL HEIGHT (FEET) | EAVE HEIGHT (METERS) | OVERALL HEIGHT (METERS) | MAX CAPACITY (M3) | MAX CAPACITY M/TON CORN | MAX CAPACITY M/TON WHEAT | MAX CAPACITY M/TON RICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **30 ft**. (9.15 M) Diameter **40°** | HTT30-6-40 | 13643 | 16017 | 32'-0" | 40'-7" | 9.75 | 12.36 | 454 | 347 | 371 | 278 |
| | HTT30-7-40 | 15232 | 17882 | 34'-8" | 43'-3" | 10.57 | 13.17 | 506 | 387 | 414 | 311 |
| | HTT30-8-40 | 16821 | 19748 | 37'-4" | 45'-11" | 11.38 | 13.99 | 559 | 427 | 458 | 343 |
| | HTT30-9-40 | 18409 | 21613 | 40'-0" | 48'-7" | 12.19 | 14.80 | 612 | 468 | 501 | 376 |
| | HTT30-10-40 | 19998 | 23478 | 42'-8" | 51'-3" | 13.00 | 15.61 | 665 | 508 | 544 | 408 |
| | HTT30-11-40 | 21586 | 25343 | 45'-4" | 53'-11" | 13.82 | 16.42 | 718 | 548 | 587 | 440 |
| | HTT30-12-40 | 23175 | 27208 | 48'-0" | 56'-7" | 14.63 | 17.24 | 770 | 589 | 630 | 473 |
| | HTT30-13-40 | 24764 | 29073 | 50'-8" | 59'-3" | 15.44 | 18.05 | 823 | 629 | 674 | 505 |
| | HTT30-14-40 | 26352 | 30938 | 53'-4" | 61'-11" | 16.26 | 18.86 | 876 | 670 | 717 | 538 |
| | HTT30-15-40 | 27941 | 32803 | 56'-0" | 64'-7" | 17.07 | 19.68 | 929 | 710 | 760 | 570 |
| | HTT30-16-40 | 29530 | 34668 | 58'-8" | 67'-3" | 17.88 | 20.49 | 982 | 750 | 803 | 603 |
| | HTT30-17-40 | 31118 | 36533 | 61'-4" | 69'-11" | 18.69 | 21.30 | 1035 | 791 | 847 | 635 |
| | HTT30-18-40 | 32707 | 38399 | 64'-0" | 72'-7" | 19.51 | 22.11 | 1087 | 831 | 890 | 667 |
| | HTT30-19-40 | 34296 | 40264 | 66'-8" | 75'-3" | 20.32 | 22.93 | 1140 | 871 | 933 | 700 |
| **33 ft**. (10.06 M) Diameter **40°** | HTT33-6-40 | 17000 | 19958 | 33'-4" | 42'-9" | 10.15 | 13.03 | 565 | 432 | 462 | 347 |
| | HTT33-7-40 | 18922 | 22215 | 36' | 45'-5" | 10.97 | 13.84 | 629 | 481 | 515 | 386 |
| | HTT33-8-40 | 20844 | 24472 | 38'-8" | 48'-1" | 11.78 | 14.66 | 693 | 530 | 567 | 425 |
| | HTT33-9-40 | 22767 | 26728 | 41'-4" | 50'-9" | 12.59 | 15.47 | 757 | 578 | 619 | 465 |
| | HTT33-10-40 | 24689 | 28985 | 44' | 53'-5" | 13.40 | 16.28 | 821 | 627 | 672 | 504 |
| | HTT33-11-40 | 26611 | 31242 | 46'-8" | 56'-1" | 14.22 | 17.09 | 885 | 676 | 724 | 543 |
| | HTT33-12-40 | 28533 | 33499 | 49'-4" | 58'-9" | 15.03 | 17.91 | 949 | 725 | 776 | 582 |
| | HTT33-13-40 | 30456 | 35755 | 52' | 61'-5" | 15.84 | 18.72 | 1012 | 774 | 829 | 621 |
| | HTT33-14-40 | 32378 | 38012 | 54'-8" | 64'-1" | 16.66 | 19.53 | 1076 | 823 | 881 | 661 |
| | HTT33-15-40 | 34300 | 40269 | 57'-4" | 66'-9" | 17.47 | 20.34 | 1140 | 871 | 933 | 700 |
| | HTT33-16-40 | 36222 | 42526 | 60' | 69'-5" | 18.28 | 21.16 | 1204 | 920 | 985 | 739 |
| | HTT33-17-40 | 38145 | 44782 | 62'-8" | 72'-1" | 19.09 | 21.97 | 1268 | 969 | 1038 | 778 |
| | HTT33-18-40 | 40067 | 47039 | 65'-4" | 74'-9" | 19.91 | 22.78 | 1332 | 1018 | 1090 | 818 |
| | HTT33-19-40 | 41989 | 49296 | 68' | 77'-5" | 20.72 | 23.60 | 1396 | 1067 | 1142 | 857 |
| **36 ft**. (10.97 M) Diameter **40°** | HTT36-6-40 | 20816 | 24438 | 34'-7" | 44'-10" | 10.54 | 13.68 | 692 | 529 | 566 | 425 |
| | HTT36-7-40 | 23104 | 27124 | 37'-3" | 47'-6" | 11.35 | 14.49 | 768 | 587 | 629 | 471 |
| | HTT36-8-40 | 25391 | 29810 | 39'-11" | 50'-2" | 12.17 | 15.30 | 844 | 645 | 691 | 518 |
| | HTT36-9-40 | 27679 | 32496 | 42'-7" | 52'-10" | 12.98 | 16.12 | 920 | 703 | 753 | 565 |
| | HTT36-10-40 | 29967 | 35181 | 45'-3" | 55'-6" | 13.79 | 16.93 | 996 | 761 | 815 | 611 |
| | HTT36-11-40 | 32254 | 37867 | 47'-11" | 58'-2" | 14.60 | 17.74 | 1072 | 819 | 877 | 658 |
| | HTT36-12-40 | 34542 | 40553 | 50'-7" | 60'-10" | 15.42 | 18.55 | 1148 | 878 | 940 | 705 |
| | HTT36-13-40 | 36830 | 43238 | 53'-3" | 63'-6" | 16.23 | 19.37 | 1224 | 936 | 1002 | 751 |
| | HTT36-14-40 | 39117 | 45924 | 55'-11" | 66'-2" | 17.04 | 20.18 | 1300 | 994 | 1064 | 798 |
| | HTT36-15-40 | 41405 | 48610 | 58'-7" | 68'-10" | 17.86 | 20.99 | 1376 | 1052 | 1126 | 845 |
| | HTT36-16-40 | 43693 | 51296 | 61'-3" | 71'-6" | 18.67 | 21.80 | 1453 | 1110 | 1189 | 891 |
| | HTT36-17-40 | 45980 | 53981 | 63'-11" | 74'-2" | 19.48 | 22.62 | 1529 | 1168 | 1251 | 938 |
| | HTT36-18-40 | 48268 | 56667 | 66'-7" | 76'-10" | 20.29 | 23.43 | 1605 | 1226 | 1313 | 985 |
| | HTT36-19-40 | 50555 | 59353 | 69'-3" | 79'-6" | 21.11 | 24.24 | 1681 | 1284 | 1375 | 1032 |

**TYPICAL GRAIN DENSITIES -** WHEAT: Approximately 772 kg/m$^3$ (48.2 lb/ft$^3$) I CORN: Approximately 721 kg/m$^3$ (45 lb/ft$^3$) I RICE: Approximately 579 kg/m$^3$ (36.1 lb/ft$^3$)

Specifications and design are subject to change without notice. All bins are designed for the storage of grain and other free-flowing materials weighing up to 52 lbs. per cubic foot (833 kg/m$^3$). Cubic foot and cubic meter volumes are based on bin fill height 1" below eave level with grain peaked at the center using a 28 degree angle of repose. Maximum bushel capacities and metric ton capacities are based on 6% compaction.


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AGI is a leading provider of equipment solutions for agriculture bulk commodities including seed, fertilizer, grain, and feed systems with a growing platform in providing equipment and solutions for food processing facilities. AGI has manufacturing facilities in Canada, the United States, the United Kingdom, Brazil, South Africa and Italy and distributes its products globally.

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