

Completely self-contained - All you need for high speed, high quality drying is a GT Grain Dryer, a tractor and propane. Average set-up time is 30 minutes. (1) Loading hopper eliminates the need for separate augers. Load directly from your truck or grain wagon. (2) One 12" auger recirculates and unloads grain gently. Low 275 RPM operation keeps grain column full for controlled even drying. (3) Completely portable for easy transport anywhere. Tires and hitch are *standard*. Top section of center auger removes easily Loading hopper folds up for out-of-the-way storage or transport. (4) Centrally located controls provide complete control of the drying process from one location. (5) Round bin design evenly distributes heated air for uniform drying of any crop. (6) Perforated (3/32") inner chamber distributes heated air evenly through grain column. (7) Positive agitator arms keep grain moving downward into the central auger at a slow, gentle rate of 8 RPM. (8) Built-in vaporizer allows accurate, fuel efficient drydown, even in sub-freezing temperature. GT's vaporizer "pulls" liquid propane from the bottom of the tank and converts it to vapor. (9) Efficient stainless steel ring burner assembly is designed to keep drying costs to a minimum. Delivers evenly heated air to the drying chamber at constant temperatures. (10 & 11) Modular access panels on power frame offer quick access to plumbing and electrical controls. (12) Space-age coating ensures a great, long-lasting appearance with minimum upkeep. (13) Complete drying control is assured. Once the dryer is set for a specific maximum grain temperature, the dryer automatically shuts off when the set temperature is reached. (14) Safety controls with digital indicators automatically monitor all drying functions. If any of these functions fail, the gas supply automatically shuts off. (15). Fan clutch allows operator to disengage fan at any time. This feature is especially beneficial while loading and unloading.

Schematic View



Specifications

	200 bu. (245XL)	350 bu. (300 & 345XL)	500 bu. (500 & 545 XL)	640 bu. (600 & 645 XL)	820 bu. (800 & 21 Ton)	1000 bu. (1000 & 25 Ton)
Drying Capacity (20.5 - 15.5%)	140 bu./hr. (3.5 tonne/hr.)	235 bu./hr. (6 tonne/hr.)	335 bu./hr. (8.5 tonne/hr.)	385 bu./hr. (9.8 tonne/hr.)	500 bu./hr. (12.5 tonne/hr.)	600 bu./hr. (15.3 tonne/hr.)
Bushel Capacity	200 bu. (5.00 tonne)	350 bu. (8.9 tonne)	500 bu. (12.7 tonne)	640 bu. (16.3 tonne)	820 bu. (20.9 tonne)	1000 bu. (25 tonne)
Height to Top of Auger With Vertical Head Option	13'6" (4.2 m)	18'4" (5.6m)	18'4" (5.6m)	21'2" (6.5 m)	23'5" (7.14 m)	23'9" (7.14 m)
Transport Height (top tube down) (with top tube off)	13'6" (4.2 m)	13'6" (4.2 m)	13'6" (4.2 m)	13'6" (4.2 m)	15'5" (4.7 m) 14' (4.27 m)	15'8" (4.7 m) 14'2" (4.27 m)
Diameter of Bin	8' (2.4 m)	8' (2.4 m)	11' (3.4 m)	11' (3.4 m)	11' (3.4 m)	12' (3.6 m)
Grain Wall Thickness	18" (45.7 cm)	18" (45.7 cm)	18" (45.7 cm)	18" (45.7 cm)	18" (45.7 cm)	18" (45.7 cm)
Vertical Auger Diameter	12" (30.5 cm)	12" (30.5 cm)	12" (30.5 cm)	12" (30.5 cm)	12" (30.5 cm)	15" (37.5 cm)
Overall Length (add 9 ft. with hopper down)	13'4" (4.1 m)	18' (5.5 m)	20'5" (6.2 m)	20'5" (4.8 m)	20'5" (6.2 m)	21' (6.6 m)
Burner Size BTU/hr. (Max)	2,200,000 (645 kw)	2,200,000 (645 kw)	3,000,000 (879 kw)	3,000,000 (879 kw)	3,000,000 (879 kw)	3,000,000 (879 kw)
Fan Size and Type	26" Axial (66.2 cm)	26" Axial (66.2 cm)	32" Axial (81.2 cm) (545XL)	32" Axial (81.2 cm) (645 XL)	--	38" (96.5 cm)
In-Line Fan	--	33" (83.8 cm) (300)	38" (96.5 cm) (500)	38" (96.5 cm) (500)	38" (96.5 cm) (500)	38" (96.5 cm) (500)
Electric Motor Required	15 HP, 1250 RPM (11.4 kw)	20 HP, 1750 RPM (14.9 kw)	25 HP, 1750 RPM (18.6 kw)	30 HP, 1750 RPM (22.3 kw)	30 HP, 1750 RPM (22.3 kw) (35 HP required) (26.1 kw required)	40 HP, 1750 RPM (30 kw)
Weight, PTO Model	2900 lbs. (1318 kg)	3900 lbs. (1773 kg) (300) 3350 lbs. (1523 kg) (345XL)	5100 lbs. (2313 kg) (500) 4400 lbs. (2000 kg) (545XL)	5500 lbs. (2495 kg) (600) 4900 lbs. (2227 kg) (645XL)	6000 lbs. (2725 kg)	8,620 lbs. (3910 kg)
PTO Speed	475 RPM	525 RPM	525 RPM	525 RPM	525 RPM	525 RPM
Recirculating Time	5-7 min.	10-12 min.	12-15 min.	17-21 min.	16-20 min.	17-22 min.
Loading Auger Size	8" (20.3 cm)	8" (20.3 cm)	8" (20.3 cm)	8" (20.3 cm)	8" (20.3 cm)	8" (20.3 cm)
Loading Rate	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)	3000 bu./hr. (76.3 tonne)	3500 bu./hr. (88.9 tonne)
Unloading Rate	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)	2000 bu./hr. (50.8 tonne)	3000 bu./hr. (76.3 tonne)	4000 bu./hr. (101.6 tonne)
Fan Drive	Belt	Belt	Belt	Belt	Belt	Belt
Fan Rating - CFM and Outlet Static Pressure	7,650 CFM @1.5" WC (216 m³ @374 Pa)	12,000 CFM @1.5" WC (340 m³ @374 Pa)	16,000 CFM @1.5" WC (453 m³ @374 Pa)	17,000 CFM @1.5" WC (481 m³ @374 Pa)	17,000 CFM @1.5" WC (481 m³ @374 Pa)	18,500 CFM @1.55" WC (481 m³ @374 Pa)
Standard Equipment	Loading Hopper, Circulating Auger, PTO Tumbler Shaft, Dryer Controls- Grain Sampler, Fan Clutch, Access Door to Plenum, Vaporizer, Two Tires, Floor Jack Stands, Ladder, and Manual Unloading Head (245XL ONLY)					



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If you need Increased Capacity or Fully Automated Grain Drying, GT Mfg. can provide a dryer to fit your needs

RB1000

The additional capacity of the new **RB1000 (1000 bu. capacity)** Grain Dryer is now available in a standard thermostatic control or micro-processor model. This dryer has the centrifugal fan for quietness and has an ease of operation. Backed by our two year warranty, this dryer is another step forward that we at **GT Mfg.** offer our loyal customers. Built with the same pride which has been instilled in our manufacturing process for over 55 years, this Dryer gives added holding and drying capacity and still retains the ability to dry your grain evenly, effectively and efficiently.

RAB8000

Over the years, the advantages of the recirculating batch dryer have been well accepted. Yields of grain have increased while at the same time manpower availability at the peak of harvest has decreased. The requirement for a fully automatic recirculating batch grain dryer that is quiet, reliable, simple to install and operate, yet retaining all the advantages of mobility, has never been greater. The introduction of the fully automatic **RAB8000** recirculating batch dryer meets all of these demands (with **outputs of up to 13,000+ bushels daily**). Your **RAB8000** is run by a microprocessor controller. You simply program the unique **RAB8000** control processor using a yes or no button to follow the sequential steps offered as questions by the processor. The controlled functions are, *loading, burner ignition, heating, plenum temperature, grain temperature sensing, grain colling, unloading followed by automatic re-loading and subsequent constant programmed pattern.*

This grain dryer is the answer to increased volume drying. Included as standard items on your **RAB8000** are outlets for auxiliary loading and unloading motor control. Your **RAB8000** microprocessor checks continuously for correct fan, agitator and auger speeds. It monitors the plenum and grain temperatures, controls loading and unloading. It also checks and initiates the ignition sequence, records the number of hours your **RAB8000** is operated and automatically checks for uninterrupted fuel supply. The digital LCD indicates at all times the sequence of operation and should any of the safety controls activate, the dryer will automatically shut down and the safety diagnostic fault recorder will indicate the cause of the shutdown on the Alpha section of the LCD read out. The centrifugal fan running a 74 decibels is very quiet and allows the **RAB8000** to be used in urban environments day and night. Easy to install, quiet in operation, economic in use, and maintaining a high resale value, the **GT RAB8000** fully automatic Recirculating Batch Dryer is ideally suited for the large modern farm operation and is in a class of its own. If you need continuous drying and want the same quality and even drying of a batch style grain dryer, the **ALL AUTOMATIC RAB8000** is the dryer for you.

RB800 -- RAB6000

Whether purchasing a larger capacity RB1000 or the fully automatic RAB6000, with a GT Grain Dryer you know you will be receiving a reasonably priced, exceptional grain dryer, which performs efficiently while delivering you the quality grain you are accustomed to, AND will last you from 20 to 30 to yes, even 40 years or more of on the farm service.



Grain Sampler



Extension Assembly & Inside Platform



30:1 Extension Gearbox



Loading hopper from truck



New In-Line Centrifugal Fan delivers powerful airflow while reducing noise levels by 27 decibels. Work place is safer, healthier and more comfortable.



New Central Lube Location makes lubrication maintenance a breeze. One central location provides access to all lubrication points except the tumbler shafts.



Super Edge™ Flighting provides up to 50% extra thickness at the exact location where the greatest wear occurs. Designed specifically to combat auger wear.



Microprocessor Controls - Dryer is available with thermostat or microprocessor control.



GT Mfg., Inc. has a Dryer to fit your needs.



545XL with Hydraulic Head



RB500 & RB600



640 Bu.



1000 Bu.