



*COMMERCIAL TOWER DRYERS*



# BROCK<sup>®</sup> COMMERCIAL TOWER DRYERS ARE DIFFERENT BY DESIGN<sup>™</sup>

## 1 Narrower Columns At Top

Narrower width grain columns used at the top of the dryer increase airflow on the wettest grain, starting the drying process sooner.

## 2 Self-Cleaning Plenum Floor



Brock's unique self-cleaning plenum floor design allows fines, dirt and bees' wings to recycle back into the grain safely while also reducing routine cleaning maintenance.

## 3 Commercial Burner



A high-capacity, low-emission Maxon<sup>®</sup> burner is standard on BROCK<sup>®</sup> Commercial Tower Dryers. The commercial-grade burner features a cast aluminum manifold to help reduce orifice corrosion and maintenance. Brock's unique application of centrifugal fans allows a square burner to be mounted in the square duct and provides uniform airflow across the complete burner surface for efficient combustion and even heat mixing. The generous length of duct above the burner further enhances the temperature balance from the top to the bottom of the heat plenum.

## 4 DWDI Centrifugal Fans

Double-wide/double-inlet (DWDI) centrifugal fans were the first choice for the BROCK<sup>®</sup> Commercial Tower Dryers because they deliver more air while using less horsepower.

## 5 Easy Access & Service

Ample clearance under the dryer offers easy walk-through access and generous space for auxiliary equipment. Fan and motor design provides for easy access and serviceability.

## 6 Stainless Steel Screens

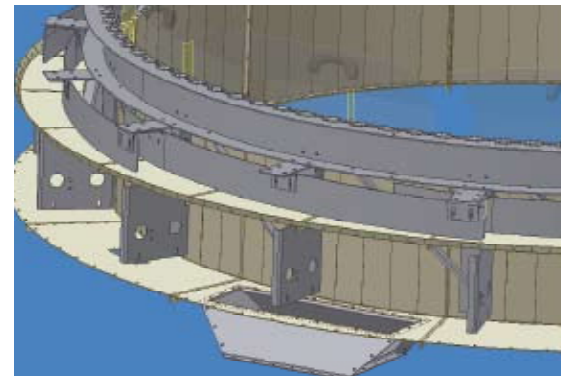
Stainless steel perforated screens are used in two standard sizes (.078 and .062 inches) to help confine particulates for cleaner dryer operation.

## 7 Unobstructed Grain Columns



Fresh air along with electrical conduits and gas piping enter at the bottom of the dryer and not through the grain columns. This promotes even grain flow and efficient drying. Air inlet louvers are adjustable to control the volume of cool air entering the dryer.

## 8 Gentle Unloading System



Brock's innovative and gentle Circular Drag Unloading System (patented) evenly meters and delivers the grain to a discharge point at the perimeter of the dryer.

## 9 Commercial Plumbing

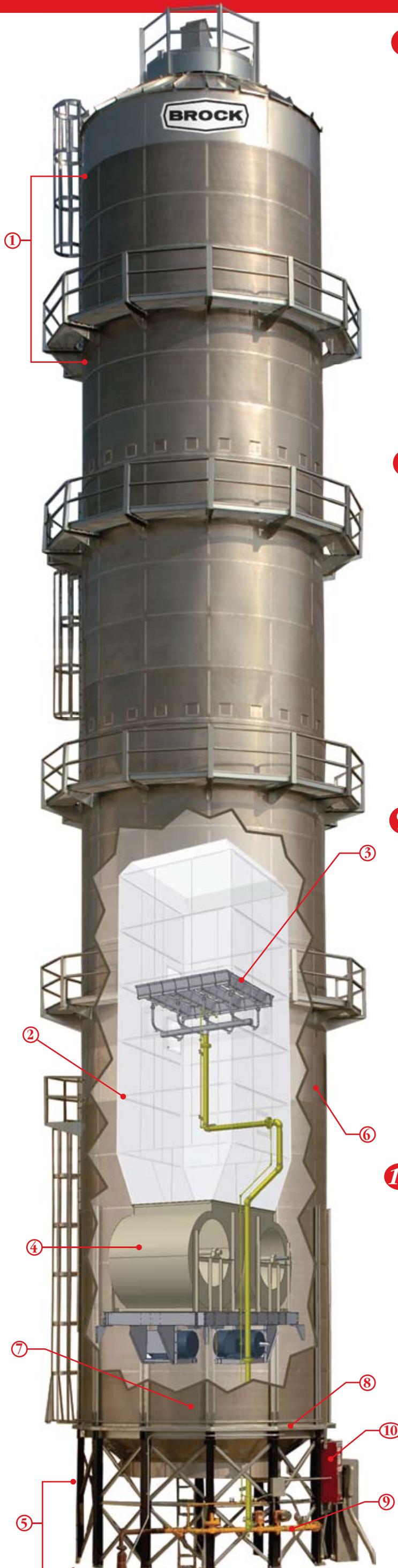


Commercial block and bleed gas train is standard with high & low gas safety pressure switches.

## 10 QUANTUM<sup>®</sup> Controller



Brock's advanced QUANTUM<sup>®</sup> Dryer Controller comes standard and automatically regulates the drying process.



# BROCK® COMMERCIAL TOWER DRYER SPECIFICATIONS

Models	BCT3000	BCT3500	BCT4000	BCT4700	BCT5000	BCT6000	BCT7000
Height	80' 9"	88' 7"	100' 3"	111' 10"	105' 10"	113' 7"	121' 4"
Diameter	18' 0"	18' 0"	18' 0"	18' 0"	24' 0"	24' 0"	24' 0"
Grain Column Widths	12.75" & 10.75"	12.75" & 10.75"	12.75" & 10.75"	12.75" & 10.75"	12.75" & 10.75"	12.75" & 10.75"	12.75" & 10.75"
DWDI Blower (Qty-Horsepower)	2-60hp	2-75hp	2-100hp	2-125hp	2-100hp	2-125hp	2-150hp
Heat Holding Capacity (Bu)	1,876	2,200	2,525	2,875	3,690	4,129	4,367
Cool Holding Capacity (Bu)	701	701	876	1,052	1,187	1,424	1,424
Drying Airflow (CFM)	151,102	171,486	197,443	217,432	276,994	310,005	341,113
Max Burner Capacity (1,000 BTU/HR)	33,242	37,727	43,438	47,835	60,939	68,201	75,045
Typical Burner Capacity (1,000 BTU/HR)	18,948	21,504	24,759	27,266	34,735	38,875	42,776
Unload Motor (Horsepower)	7.5	7.5	7.5	7.5	10	10	10
<b>Drying Capacity* - Wet Bushels Per Hour</b>							
Corn 20% to 15%	3,000	3,500	4,000	4,700	5,000	6,000	7,000
Corn 25% to 15%	1,800	2,100	2,400	2,800	3,000	3,600	4,200

\*Drying capacity will vary depending on outside temperature, humidity, crop variety, foreign matter, test weight, etc.

## INNOVATIVE SOLUTIONS FOR COMMERCIAL GRAIN STORAGE, HANDLING, CONDITIONING & DRYING



For commercial grain storage, handling, conditioning and drying, Brock's expanding line of products offers innovative solutions, top-quality performance and the classic product durability closely associated with the BROCK® name. To learn more about Brock's products and how they are *Different by Design™*, contact us today.



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