Specifications & Capacities

MODELS	2000	2400	3000	3500	4000
Heat Section Holding Capacity (bu)	1,211	1,453	2,092	2,343	2,594
Cool Section Holding Capacity (bu)	485	566	700	700	826
Additional Holding Capacity (bu)	249	249	919	919	919
Total Holding Capacity (bu)	1,945	2,268	3,711	3,962	4,339
Total Height	77'-3"	89'-3"	83'-8"	89'-8"	98'-8"
Diameter	11'-8"	11'-8"	17'-6"	17'-6"	17'-6"
Grain Column Thickness	12"	12"	12"	12"	12"
Number of External Walkways	2	3	2	3	3
Max Burner Capacity (MMBTU/hr)	21.8	26.4	33.7	36.3	42.5
Average Burner Capacity (MMBTU/hr)	11.9	14.4	20.2	21.8	25.5
Fan Airflow (SCFM)	90,000	109,000	153,000	156,000	193,000
Number of Fans	1	1	3	3	3
Fan Motor Size (HP)	100	100	50	60	75
Capacity (bu/hr, shelled corn, 20% - 15% w.b.)	2,000	2,400	3,000	3,500	4,000
Capacity (bu/hr, shelled corn, 25% - 15% w.b.)	1,200	1,440	1,800	2,100	2,400

The information contained in this brochure is intended to assist our customers select the grain drying system that they believe best meets their unique preferences and needs. The performance figures and capacities presented in this brochure are only estimates, based on calculated simulations, and do not constitute express or implied warranties. Many factors influence the grain drying process, including ambient temperature, relative humidity, grain variety, grain quality, grain temperature, dryer operating temperatures, dryer add-ons and accessories, and dryer condition, maintenance and operation.

At Mathews Company, we are continuously striving to improve our products. Accordingly, changes may occur that are not reflected in the specifications and capacities contained in this brochure.

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Grain Dryer Specialists For Nearly 60 Years

V11-10

Mathews Company

Commercial Series Tower Dryers

5 Vacuum Cool, Energy Saving Models with Capacities from 2000 BPH to 4000 BPH

Innovation • Expertise • Quality

Commercial Series Features

The Energy Efficient Solution

Mathews Company

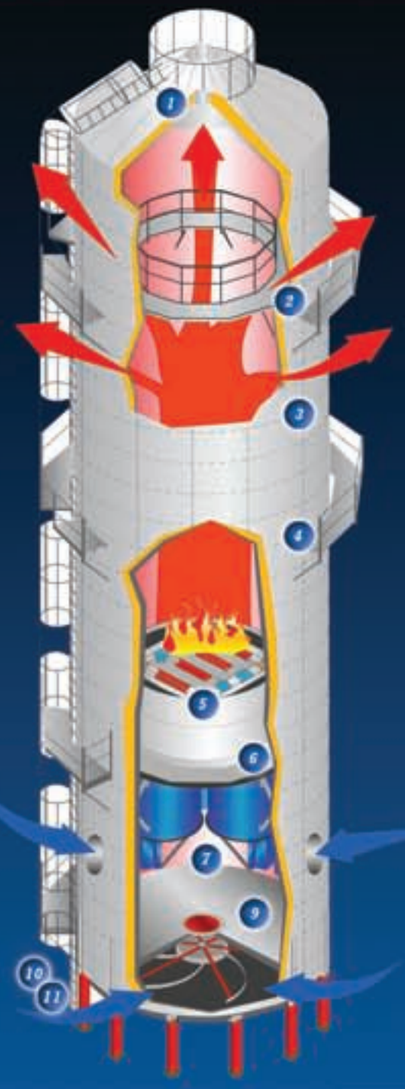
1. **Heavy beam supported inner roof** allows for larger capacity wet holding in the garner.
2. **Inside and outside ladders, cages & walkways** provide easy, safe access to all areas of the dryer.
3. **Smooth wall, stainless steel screens and heavy duty construction** deliver long life and years of dependable service.
4. **Grain exchangers** equalize moisture and temperature in the grain column.
5. **Maxon ® NP burners with engineered profiling** provide even, efficient heat at low pressures throughout the plenum chamber.
6. **Standard sloped floors** help promote dryer cleanliness.
7. **Inline centrifugal blowers** deliver air volume at low RPM for maximum motor life and efficient, quiet drying.
8. **NEMA IV rated control cabinet with Pinnacle Lite TruDry Technology** can be located remotely up to 300 feet from the dryer.
9. **Sealed cooling floor** prevents particulate matter from entering the drying process for a cleaner dryer operation.
10. **Safety shut off switch** protects against take-away equipment failure.
11. **Grain sample tube,** moisture sensor and grain flow viewing window are standard.

ADDITIONAL FEATURES:

NEMA IV high voltage cabinet with main disconnect protects motor starters, thermal overloads and electrical components from weather and dirt.

Gas manifold with microprocessor controlled electronic gas proportional valve allows complete control of plenum temperature for all grains to be dried. Regardless of outside temperature changes, a constant plenum temperature is automatically maintained. Digital readout on microprocessor displays plenum temperature and set point during dryer operation.

Printed numbers on each electrical wire make for easy reference and tracing of all dryer functions.



Energy saving **M-C Tower Dryers** are engineered to deliver the benefits that are most important to producers and commercial dryer operators. With fewer moving parts and vacuum cooling, **M-C Tower Dryers** raise the bar to set a new standard in simplicity, environmental acceptability, reliability and efficiency.

Vacuum cooling is key to the popularity and success of **M-C Tower Dryers**. Reclaiming heated air from cooling the grain results in less fuel usage and significant dollar savings. After blending with ambient air drawn from outside, the pre-heated air is returned to the blowers, lowering energy consumption and producing maximum efficiency.

Easy to operate, clean and quiet, reliable and efficient... **M-C Tower Dryers** provide the best means to lower input costs and add profit to your harvest.

PINNACLE LITE | TruDry Technology

Easy to Use!

- 5.7 inch full color touch screen, programmed with a simple, intuitive interface.
- Dryer discharge rate can be operated in manual or automatic mode. Switch modes with a single touch.
- Clear, easy to understand operation and alarm setpoints.
- Maintains a history of warnings and alarms.

Four averaging RTD sensors, with signal enhanced transmission ensure accurate grain sensing for automatic discharge control.

Accurate and Advanced!

- Four state-of-the-art RTD sensors with signal-enhanced transmission ensure accurate grain sensing.
- Ethernet switch provides remote monitoring capabilities.
- USB port available for data transfer.
- NEMA IV rated control cabinet can be located remotely up to 300 feet from the dryer.

Reliable Built-In Failsafe!

In the event of a PLC system failure, the dryer can be operated in manual override mode.

Even if the unthinkable happens, you will always be able to dry grain!