Expandable Dryers Can Grow With You

Legacy Specifications & Capacities

MODEL	L1250	L1350	L2550	L2650	L2700	L3100	L3105	L4145	L5175
Holding Capacity (bu) Grain Column Thickness Grain Column Length	474 12” 16’-0”	712 12” 24’-0”	904 12” 24’-0”	1,019 12” 24’-0”	1,019 12” 24’-0”	1,326 12” 24’-0”	1,326 12” 24’-0”	1,633 12” 24’-0”	1,940 12” 24’-0”
Burner Capacity (heat + cool) MMBTU/hr Burner Capacity (all heat) MMBTU/hr	3.29 5.01	3.97 7.01	7.46 10.56	10.33 13.50	10.33 13.50	16.45 20.01	16.91 19.89	14.32 22.08	19.09 26.85
Number of Fans Total Fan Motor Size (HP)	2 25	2 35	3 55	3 65	4 70	4 100	6 105	6 145	7 175
Level Auger Motor Size (HP) Unload Auger Motor Size (HP)	3 1.5	5 1.5	5 1.5	5 3	5 3	5 3	5 3	10 3	10 3
Overall Height Overall Length Overall Width	17’-6” 22’-7” 7’-5”	17’-6” 30’-7” 7’-5”	22’-6” 33’-5” 7’-5”	25’-6” 34’-9” 8’-4’	25’-6” 34’-9” 8’-4”	33’-6” 34’-9” 8’-4”	33’-6” 34’-9” 8’-4”	41’-6” 34’-9” 8’-4”	49’-6” 34’-9” 8’-4”
Electrical Load (208V/3ph/60Hz) Electrical Load (230V/3ph/60Hz) Electrical Load (460V/3ph/60Hz)	129 Amps 118 Amps 59 Amps	164 Amps 151 Amps 75 Amps	218 Amps 201 Amps 100 Amps	367 Amps 232 Amps 116 Amps	276 Amps 255 Amps 127 Amps	367 Amps 334 Amps 167 Amps	371 Amps 343 Amps 171 Amps	481 Amps 437 Amps 219 Amps	581 Amps 527 Amps 264 Amps
Capacity (bu/hr) (shelled corn, heat + cool, 25%-15% w.b.) (shelled corn, heat + cool, 20%-15% w.b.)	 280 430	 410 630	 645 1,010	 735 1,130	 680 1,070	 1,100 1,700	 1,250 1,900	 1,350 2,300	 1,750 2,925
Capacity (bu/hr) (shelled corn, all heat, 25%-15% w.b.)[1] (shelled corn, all heat, 22%-15% w.b.)[1] (shelled corn, all heat, 20%-15% w.b.)[1]	 500 615 725	 730 915 1,080	 1,040 1,300 1,690	 1,170 1,470 1,895	 1,270 1,590 2,040	 1,490 1,850 2,350	 1,595 1,970 3,020	 1,670 2,450 3,700	 2,080 3,050 4,200

The information contained in this brochure is intended to assist our customers in selecting 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.

[1] It is generally recognized that grain discharged hot at 17.5% moisture will result in approximately 15% moisture after steeping and cooling.

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Grain Dryer Specialists For Nearly 60 Years

V11-10

Mathews Company

Legacy Series

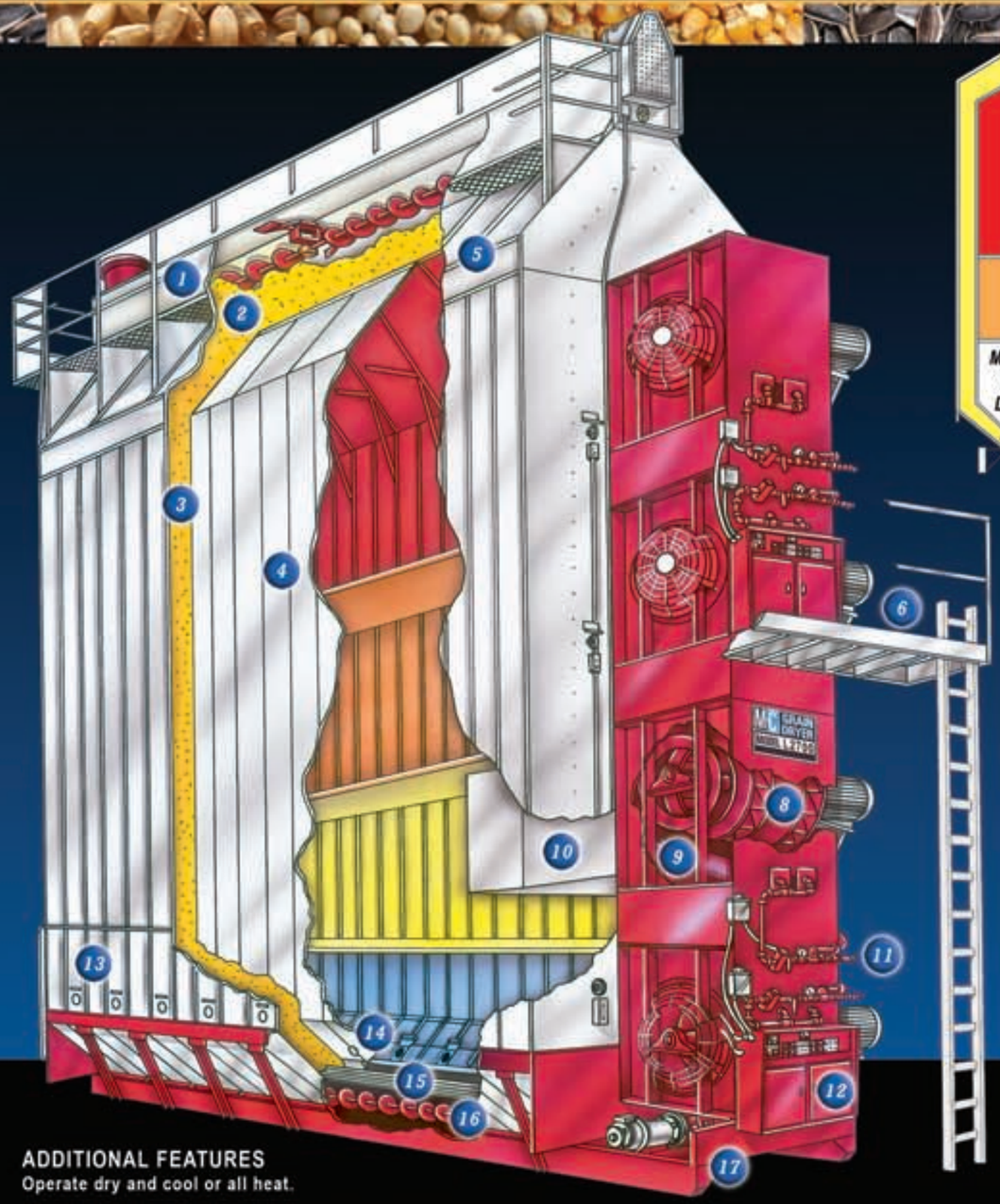
9 EXPANDABLE Models with
Capacities from 430 BPH to 4200 BPH

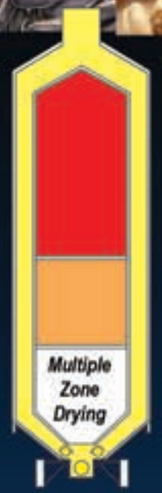
Legacy Series Features

M-C Dryers For Every Application

Mathews Company

1. **Large, totally enclosed galvanized wet grain hopper** keeps the drying columns full and requires fewer filling cycles. Hopper walkway is standard.
2. **16" thick perforated peak section** feeds grain columns smoothly and evenly with loosely packed, pre-heated grain for maximum efficiency.
3. **12" grain columns** eliminate large moisture differences between inside and outside of columns. **One way airflow** heats from the center out, creating more uniform dried grain.
4. **All galvanized vertical screens** are standard. Aluminum screens are an available option.
5. All outside upper and lower **sloped screens** are standard aluminum.
6. **Upper service platforms are standard** on all models, L2550 and larger.
7. **M-C's simple, easy to operate Pinnacle Lite TruDry technology control panel** regulates heated air temperature, fuel flow (LP or natural gas), and dryer discharge control electrical functions.
8. **Double wheel, double inlet quiet 1750 RPM centrifugal fans** are standard.
9. **M-C adjustable Venturi gas burners** provide maximum combustion at all operating temperatures.
10. **Mixing tunnel** keeps heat and air together so that only uniformly heated air enters the drying chamber.
11. **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 displays plenum temperature and set point during dryer operation.
12. **NEMA IV high voltage cabinet** with main disconnect protects motor starters, thermal overloads and electrical components from weather and dirt.
13. **Quick dump drain ports** permit easy, fast unloading if required – may qualify for reduced insurance rates.
14. **Panels** at bottom inside of columns allow access to metering rolls.
15. **Full length aluminum metering rolls** with variable frequency driven speed control regulates the flow of grain out of the dryer.
16. **10" U-trough unload auger** equipped with quick release, hinged unload auger clean-out pans. Auger is supported every 8' by wood block hanger bearings.
17. **Heavy welded steel base** provides strength and support for future expansion.





ADDITIONAL FEATURES

Operate dry and cool or all heat.

Grain sample tube, discharge moisture sensor and grain flow viewing window are standard.

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

The Benefits of Multiple Zone Drying

As a central part of your grain handling and management system, an M-C Legacy Series Dryer with multiple heat zones delivers increased flexibility, fuel efficiency and higher quality grain.

With multiple zone drying, the highest temperatures are applied to the wettest grain as it enters the drying columns. Gradual reduction in temperatures completes the drying process, improves grain quality and saves energy.

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!

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.

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.