### EXPANDABLE DRYERS

10 Expandable Models with Capacities from 430 BPH to 5,040 BPH

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**SPECIFICATIONS & CAPACITIES**

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

#### MODELS

<table>
<thead>
<tr>
<th>L1250</th>
<th>L1350</th>
<th>L2550</th>
<th>L2650</th>
<th>L2700</th>
<th>L3100</th>
<th>L3105</th>
<th>L4145</th>
<th>L5175</th>
<th>L6205</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holding Capacity (bu)</td>
<td>474</td>
<td>712</td>
<td>904</td>
<td>1,019</td>
<td>1,019</td>
<td>1,326</td>
<td>1,326</td>
<td>1,633</td>
<td>1,940</td>
</tr>
<tr>
<td>Grain Column Thickness</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>Grain Column Length</td>
<td>16'-0&quot;</td>
<td>24'-0&quot;</td>
<td>24'-0&quot;</td>
<td>24'-0&quot;</td>
<td>24'-0&quot;</td>
<td>24'-0&quot;</td>
<td>24'-0&quot;</td>
<td>24'-0&quot;</td>
<td>24'-0&quot;</td>
</tr>
<tr>
<td>Burner Capacity, heat+cool (MMBTU/hr)</td>
<td>3.29</td>
<td>3.97</td>
<td>7.46</td>
<td>10.33</td>
<td>10.33</td>
<td>16.45</td>
<td>16.91</td>
<td>14.32</td>
<td>19.09</td>
</tr>
<tr>
<td>Burner Capacity, all heat (MMBTU/hr)</td>
<td>5.01</td>
<td>7.01</td>
<td>10.56</td>
<td>13.50</td>
<td>13.50</td>
<td>20.01</td>
<td>19.89</td>
<td>22.08</td>
<td>26.85</td>
</tr>
<tr>
<td>Number of Fans</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Total Fan Motor Size</td>
<td>25 HP</td>
<td>35 HP</td>
<td>55 HP</td>
<td>70 HP</td>
<td>100 HP</td>
<td>105 HP</td>
<td>145 HP</td>
<td>175 HP</td>
<td>205 HP</td>
</tr>
<tr>
<td>Level Auger Motor Size</td>
<td>3 HP</td>
<td>5 HP</td>
<td>5 HP</td>
<td>5 HP</td>
<td>5 HP</td>
<td>5 HP</td>
<td>5 HP</td>
<td>5 HP</td>
<td>5 HP</td>
</tr>
<tr>
<td>Unload Auger Motor Size</td>
<td>1.5 HP</td>
<td>1.5 HP</td>
<td>3 HP</td>
<td>3 HP</td>
<td>3 HP</td>
<td>3 HP</td>
<td>3 HP</td>
<td>3 HP</td>
<td>3 HP</td>
</tr>
<tr>
<td>Overall Height</td>
<td>17'-6&quot;</td>
<td>17'-6&quot;</td>
<td>22'-6&quot;</td>
<td>25'-6&quot;</td>
<td>25'-6&quot;</td>
<td>33'-6&quot;</td>
<td>33'-6&quot;</td>
<td>41'-6&quot;</td>
<td>49'-6&quot;</td>
</tr>
<tr>
<td>Overall Length</td>
<td>24'-5&quot;</td>
<td>32'-5&quot;</td>
<td>35'-7&quot;</td>
<td>35'-7&quot;</td>
<td>35'-7&quot;</td>
<td>35'-7&quot;</td>
<td>35'-7&quot;</td>
<td>35'-7&quot;</td>
<td>35'-7&quot;</td>
</tr>
<tr>
<td>Overall Width</td>
<td>7'-5&quot;</td>
<td>7'-5&quot;</td>
<td>7'-5&quot;</td>
<td>8'-4&quot;</td>
<td>8'-4&quot;</td>
<td>8'-4&quot;</td>
<td>8'-4&quot;</td>
<td>8'-4&quot;</td>
<td>8'-4&quot;</td>
</tr>
<tr>
<td>Electrical Load (208V/3ph/60Hz)</td>
<td>129 Amps</td>
<td>164 Amps</td>
<td>218 Amps</td>
<td>267 Amps</td>
<td>367 Amps</td>
<td>371 Amps</td>
<td>481 Amps</td>
<td>581 Amps</td>
<td>681 Amps</td>
</tr>
<tr>
<td>Electrical Load (230V/3ph/60Hz)</td>
<td>118 Amps</td>
<td>151 Amps</td>
<td>201 Amps</td>
<td>255 Amps</td>
<td>343 Amps</td>
<td>437 Amps</td>
<td>527 Amps</td>
<td>617 Amps</td>
<td></td>
</tr>
<tr>
<td>Electrical Load (460V/3ph/60Hz)</td>
<td>59 Amps</td>
<td>75 Amps</td>
<td>100 Amps</td>
<td>116 Amps</td>
<td>132 Amps</td>
<td>167 Amps</td>
<td>219 Amps</td>
<td>264 Amps</td>
<td>309 Amps</td>
</tr>
</tbody>
</table>

#### Capacity, Shelled Corn, heat + cool (bu/hr, 25%-15% w.b.)

- up to 280
- up to 410
- up to 645
- up to 735
- up to 800
- up to 1,100
- up to 1,250
- up to 1,350
- up to 1,750
- up to 2,188

#### Capacity, Shelled Corn, heat + cool (bu/hr, 20%-15% w.b.)

- up to 430
- up to 639
- up to 1,010
- up to 1,130
- up to 1,230
- up to 1,700
- up to 1,900
- up to 2,300
- up to 2,925
- up to 3,656

#### Capacity, Shelled Corn, all heat (bu/hr, 25%-15% w.b.)

- up to 500
- up to 730
- up to 1,040
- up to 1,170
- up to 1,270
- up to 1,490
- up to 1,595
- up to 1,670
- up to 2,080
- up to 2,496

#### Capacity, Shelled Corn, all heat (bu/hr, 22%-15% w.b.)

- up to 615
- up to 915
- up to 1,300
- up to 1,470
- up to 1,590
- up to 1,650
- up to 1,970
- up to 2,450
- up to 3,050
- up to 3,660

**Note:** Field discharge from the dryer at 17.5% moisture should result in a final moisture content of 15% after cooling (dryeration).

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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.

Scan the code with a QR reader on your smart device to view the Legacy Series online.

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Your Authorized M-C Dealer is:

Mathews Company
www.mathewscompany.com
Crystal Lake, IL
phone: 1-815-459-2210
date: 1-815-459-5889
email: mcsales@mathewscompany.com

V7-15
Years of Satisfied Customers – Many of our customers have used M-C grain dryers for 20+ years. As M-C continues to grow and develop state-of-the-art durability and ease of use. Check out our website for detailed customer feedback. Customers continue to stand by and use only M-C noting quality, reliability and affordability.

M-C...A Smart Choice
Engineered for Quality Construction and Durability – Compare M-C to other dryer brands and see the difference! Invest in quality!

Local Factory-Trained Certified Dealers put a valuable resource at your doorstep to guide you to the right dryer model for your set up, answer your questions, perform dryer checks, and provide service and parts when you need them.

Zero Downtime – Manual back-up mode comes standard on all M-C grain dryers to ensure that you will always be able to run your grain dryer throughout the critical harvest season.

A Family Owned Company – We care about producing a quality product that fits the needs of the on-farm producer and commercial grain operations. We actively seek out user feedback and use real world testing. Without large corporate management levels, we can be very responsive to industry developments and enhance transmission ensure accurate grain sensing and automatic discharge control.

Features
Large, totally enclosed galvanized wet grain hopper keeps the drying columns full and requires fewer filling cycles. Hopper walkway is standard.

16” thick perforated peak section feeds grain columns smoothly and evenly with loosely packed, pre-heated grain for maximum efficiency.

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.

Dryer screens available in galvanized, aluminum or stainless. Aluminum sloped screens are standard on outside upper and lower screens.

Upper Service Platforms are standard on L2550 and larger models. Double inlet, 1,750 RPM Centrifugal Fan moves air quietly and efficiently.

Four Averaging RTD Sensors with signal sensing and automatic discharge control.

Adjustable Venturi Gas Burners provide maximum combustion at all operating temperatures.

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.

NEMA IV High Voltage Cabinet with main disconnect protects motor starters, thermal overloads and electrical components from weather and dirt.

Full Length Metering Rolls with variable frequency driven speed control regulate the flow of grain out of the dryer.

Dryer Moisture Systems® reliable discharge moisture sensor is standard.

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.

Heavy Welded Steel Base provides strength and support for future expansion.

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 reductions in temperatures completes the drying process, improves grain quality and saves energy.

Read what customers are saying

“I have had M-C dryers all my life and they have been an excellent dryer for me.”
– Thomas K., WI

“I was very impressed with the excellent service provided by the M-C Company and their dealers!”
– Jim M., Indiana

“ar one of the first things is simplicity, followed by efficiency, a well built structure that will last for many years, back that with M-C’s history of grain dryers - you can’t go wrong.”
– Mike K., Iowa

Zero Downtime!