## SPECIFICATIONS & CAPACITIES

### MODELS

<table>
<thead>
<tr>
<th>Models</th>
<th>10530</th>
<th>10740</th>
<th>10950</th>
<th>101160</th>
<th>101375</th>
<th>12-20-100</th>
<th>12-24-125</th>
<th>12-28-150</th>
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<tbody>
<tr>
<td>Heat Section</td>
<td>331</td>
<td>442</td>
<td>596</td>
<td>740</td>
<td>853</td>
<td>1,024</td>
<td>1,293</td>
<td>1,535</td>
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<tr>
<td>Holding Capacity, bu (m³)</td>
<td>(11.7)</td>
<td>(15.5)</td>
<td>(20.9)</td>
<td>(25.9)</td>
<td>(30.9)</td>
<td>(38.6)</td>
<td>(45.4)</td>
<td>(53.9)</td>
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<tr>
<td>Cool Section</td>
<td>111</td>
<td>168</td>
<td>199</td>
<td>232</td>
<td>286</td>
<td>391</td>
<td>444</td>
<td>525</td>
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<tr>
<td>Holding Capacity, bu (m³)</td>
<td>(3.9)</td>
<td>(6.2)</td>
<td>(7.0)</td>
<td>(8.1)</td>
<td>(10.4)</td>
<td>(13.7)</td>
<td>(15.6)</td>
<td>(18.4)</td>
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<tr>
<td>Wet Hopper</td>
<td>140</td>
<td>140</td>
<td>140</td>
<td>140</td>
<td>140</td>
<td>335</td>
<td>335</td>
<td>335</td>
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<tr>
<td>Holding Capacity, bu (m³)</td>
<td>(4.9)</td>
<td>(4.9)</td>
<td>(4.9)</td>
<td>(4.9)</td>
<td>(4.9)</td>
<td>(11.8)</td>
<td>(11.8)</td>
<td>(11.8)</td>
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<tr>
<td>Total Holding Capacity, bu (m³)</td>
<td>582</td>
<td>758</td>
<td>935</td>
<td>1,122</td>
<td>1,289</td>
<td>1,750</td>
<td>2,072</td>
<td>2,395</td>
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<tr>
<td>Fill Height, in (m)</td>
<td>32&quot;-4&quot;</td>
<td>40&quot;-5&quot;</td>
<td>48&quot;-5&quot;</td>
<td>56&quot;-6&quot;</td>
<td>64&quot;-7&quot;</td>
<td>71&quot;-11&quot;</td>
<td>84&quot;-0&quot;</td>
<td>96&quot;-2&quot;</td>
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<tr>
<td>Diameter, in (m)</td>
<td>9&quot;-9&quot;</td>
<td>9&quot;-9&quot;</td>
<td>9&quot;-9&quot;</td>
<td>9&quot;-9&quot;</td>
<td>9&quot;-9&quot;</td>
<td>11&quot;-8&quot;</td>
<td>11&quot;-8&quot;</td>
<td>11&quot;-8&quot;</td>
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<tr>
<td>Grain Column Thickness, (cm)</td>
<td>12&quot; (30.5)</td>
<td>12&quot; (30.5)</td>
<td>12&quot; (30.5)</td>
<td>12&quot; (30.5)</td>
<td>12&quot; (30.5)</td>
<td>12&quot; (30.5)</td>
<td>12&quot; (30.5)</td>
<td>12&quot; (30.5)</td>
</tr>
<tr>
<td>Number of External Walkways</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Grain Exchanger</td>
<td>N/A</td>
<td>N/A</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
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<tr>
<td>Average Operating Burner Capacity, MBTU/hr (kW thermal)</td>
<td>3.37</td>
<td>(0.98)</td>
<td>4.41</td>
<td>(1.269)</td>
<td>5.96</td>
<td>(1.742)</td>
<td>7.26</td>
<td>(2.122)</td>
</tr>
<tr>
<td>Capacity, MBTU/hr (kW thermal)</td>
<td>(1.316)</td>
<td>(1.718)</td>
<td>(2.323)</td>
<td>(2.829)</td>
<td>(3.183)</td>
<td>(4.601)</td>
<td>(5.539)</td>
<td>(6.477)</td>
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<tr>
<td>Max Operating Burner Capacity, MBTU/hr (kW thermal)</td>
<td>4.49</td>
<td>5.88</td>
<td>7.95</td>
<td>9.68</td>
<td>10.89</td>
<td>15.70</td>
<td>18.90</td>
<td>22.10</td>
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<tr>
<td>Max Nameplate Burner Capacity, MBTU/hr (kW thermal)</td>
<td>9.00</td>
<td>10.00</td>
<td>11.00</td>
<td>12.50</td>
<td>15.00</td>
<td>25.00</td>
<td>27.00</td>
<td>27.00</td>
</tr>
<tr>
<td>Mechanical Load, Amps</td>
<td>26 (41)</td>
<td>35 (59)</td>
<td>47 (80)</td>
<td>79 (132)</td>
<td>101 (172)</td>
<td>136 (229)</td>
<td>166 (276)</td>
<td>190 (317)</td>
</tr>
<tr>
<td>Electrical Load, Amps</td>
<td>106 (171)</td>
<td>136 (231)</td>
<td>166 (283)</td>
<td>190 (323)</td>
<td>228 (391)</td>
<td>296 (491)</td>
<td>366 (613)</td>
<td>444 (742)</td>
</tr>
<tr>
<td>Fan Airflow, CFM (m³/hr)</td>
<td>26,700</td>
<td>45,500</td>
<td>59,500</td>
<td>64,700</td>
<td>79,900</td>
<td>90,000</td>
<td>109,000</td>
<td>128,000</td>
</tr>
<tr>
<td>Number of Fans</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>10</td>
<td>12</td>
<td>14</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>Fan Motor Size, HP (kW)</td>
<td>30</td>
<td>40</td>
<td>50</td>
<td>60</td>
<td>75</td>
<td>90</td>
<td>105</td>
<td>120</td>
</tr>
</tbody>
</table>
| 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.

### Capacities

- Capacities in metric tonnes/hr are based on a grain bulk density of:
  - 749 kg/m³ (wet @ 25% moisture)
  - 703 kg/m³ (wet @ 20% moisture)
  - 661 kg/m³ (dry @ 15% moisture)

- Dry bushels/hr (dry metric tonnes/hr)
- Wet bushels/hr (wet metric tonnes/hr)

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

M-C Tower Series dryers give maximum capacity while taking up less valuable square footage in your grain setup. Easy to operate, clean and quiet, reliable and efficient...M-C Tower Series dryers provide the best means to lower input costs and add profit to your harvest.

**Long-Lasting Screen Construction** – Stainless steel screens are standard on 12' models and optional on 10' models.

**Grain Exchangers** are an available option to equalize moisture and temperature in the grain column.

**Inverted Cone** – A proprietary design which promotes uniform heat distribution and dryer cleanliness ensuring optimal dryer operation.

**High Efficiency Burner** – Stainless steel construction with cast aluminum manifold features high efficiency, low emission operation.

**Self-Cleaning Sloped Floor** promotes dryer cleanliness.

**Quiet Drying** – Commercial-Grade Inline Centrifugal Blower reduces noise, while increasing efficiency.

**Sealed Cooling Floor** prevents particulate matter from entering the drying process for a cleaner dryer operation.

**AccuDry™ Moisture-Based Control** is an available option featuring DryerMaster™ technology which measures incoming and discharged grain moisture to control the discharge rate of the dryer, ensuring precise and uniform grain moisture.

**Intuitive Dual 10” HD Touchscreen Control** – Pinnacle 2020 provides two touch screens for ultimate control, customization, and a built-in backup.

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

**Vacuum Cool Energy Savings**

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**First Year is Free!**

After the first free year, if you are not happy with M-C Trax for any reason, cancel your subscription moving forward free of charge.

**Made Easy**

M-C Trax setup does not require any network configuration or software. The only requirement is that a wired internet connection is available at the dryer.

**Quick Glance**

- Easier to Navigate
- Bright, Easy to See Graphics
- More Info Available within 2 Screen Touches Away
- Better Diagnostics

**Trax Remote Control**

Control Your Dryer from Anywhere in the World!

**Experience the Ease of Dual Touch Screens with Pinnacle 2020**

- PLC-Based Dryer Control System
- Dual 10” HD Touchscreens
- Easy User Interface
- 24 VDC Control Safety Circuit

**Want the simplest system available?** M-C offers a manual control system without all the bells and whistles of Pinnacle 2020. Ask your dealer for more information.

**Read what customers are saying**

I'm really excited about the new larger fan size. (Model 12-24-125). I don't doubt that this machine is going to keep me feeding it to keep up with its output.

– Kevin J., WI

The 10950 is the quietest dryer I have been around. You can talk on your cell phone right next to the dryer it's so quiet. Once calibrated, the AccuDry controls took over and performed flawlessly for me. The controller was very easy to use. Had no problem maneuvering thru the touch screen. But, by far, the best feature of my new dryer was the customer support...With local dealer, I can pick up the phone and get all my questions answered right away.

– Jeff B., Wells, MN

AccuDry’s moisture deviation on outgoing grain was minimal, adjusting itself even with the changes in varieties and moisture levels, and I did not have to constantly monitor dryer. The new 1060I has approximately 50% more capacity and was 30-40% more fuel efficient than previous tower dryers. Dealer’s knowledge of setup and operation of system made it a very good experience.

– Bruce M., Hebron, IL

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