

SPECIFICATIONS & CAPACITIES

| MODELS | L1000 | L1500 | L2000 | L3000 | L4000 | L5000 | L6000 |
|---|----------------------|----------------------|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Dryer Holding Capacity (bu): | 434 | 604 | 710 | 990 | 1,269 | 1,549 | 1,829 |
| Additional Holding Capacity (bu): | 297 | 313 | 317 | 333 | 349 | 366 | 382 |
| Total Holding Capacity (bu): | 731 | 917 | 1,027 | 1,323 | 1,618 | 1,915 | 2,211 |
| Grain Column Thickness: | 12" | 12" | 12" | 12" | 12" | 12" | 12" |
| Overall Height ¹ : | 18'-3" | 23'-3" | 26'-3" | 34'-3" | 42'-3" | 50'-3" | 58'-3" |
| Overall Width: | 7'-10" | 12'-3" | 12'-3" | 12'-3" | 12'-3" | 12'-3" | 12'-3" |
| Grain Column Length: | 24'-0" | 24'-0" | 24'-0" | 24'-0" | 24'-0" | 24'-0" | 24'-0" |
| Overall Length ² : | 32'-6" | 35'-8" | 35'-8" | 35'-8" | 35'-8" | 35'-8" | 35'-8" |
| Number of Fans/Burners: | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| <i>top of dryer</i> Fan Motor Size (bottom/top): <i>bottom of dryer</i> | 15 / 30 HP | 30 HP 20 / 20 HP | 15 / 30 HP 20 / 20 HP | 15 / 30 HP (1) 30 HP 20 / 20 HP | 15 / 30 HP (2) 30 HP 20 / 20 HP | 15 / 30 HP (3) 30 HP 20 / 20 HP | 15 / 30 HP (4) 30 HP 20 / 20 HP |
| Avg Operating Burner Capacity, All-Heat (MMBTU/hr) ³ : | 6.36 | 9.62 | 11.59 | 15.98 | 20.37 | 24.75 | 29.14 |
| Max Operating Burner Capacity, All-Heat (MMBTU/hr) ⁴ : | 9.36 | 14.17 | 17.07 | 23.53 | 30.00 | 36.46 | 42.93 |
| Drying Capacity, Shelled Corn, All-Heat (20%-15%) ^{5,6,7} : | up to 1,270 bu/hr | up to 1,830 bu/hr | up to 2,220 bu/hr | up to 3,060 bu/hr | up to 3,910 bu/hr | up to 4,770 bu/hr | up to 5,600 bu/hr |
| Drying Capacity, Shelled Corn, All-Heat (25%-15%) ^{5,6,7} : | up to 600 bu/hr | up to 880 bu/hr | up to 1,040 bu/hr | up to 1,460 bu/hr | up to 1,860 bu/hr | up to 2,280 bu/hr | up to 2,680 bu/hr |
| Avg Operating Burner Capacity, Heat+Cool (MMBTU/hr) ^{3,8} : | 4.39 | 7.01 | 8.97 | 10.74 | 15.13 | 19.52 | 23.91 |
| Max Operating Burner Capacity, Heat+Cool (MMBTU/hr) ^{4,8} : | 6.47 | 10.32 | 13.21 | 15.83 | 22.29 | 28.76 | 35.22 |
| Drying Capacity, Shelled Corn, Heat+Cool (20%-15%) ^{5,7,8} : | up to 700 bu/hr | up to 1,050 bu/hr | up to 1,320 bu/hr | up to 1,700 bu/hr | up to 2,280 bu/hr | up to 2,870 bu/hr | up to 3,470 bu/hr |
| Drying Capacity, Shelled Corn, Heat+Cool (25%-15%) ^{5,7,8} : | up to 390 bu/hr | up to 600 bu/hr | up to 750 bu/hr | up to 940 bu/hr | up to 1,300 bu/hr | up to 1,660 bu/hr | up to 2,000 bu/hr |

¹Add 24" for a 24" dryer stand set or 36" for a 36" dryer stand set.

²Add 1'-0" if remote cabinet is mounted to the dryer. This only applies to the L1000.

³Average operating burner capacities are based on a 150 deg F temperature rise with an ambient temperature of 70 deg F.

⁴Max operating burner capacities are based on a 200 deg F temperature rise with an ambient temperature of 20 deg F.

⁵Based on 220 deg F heat plenum(s) temperature.

⁶Discharging at 17% moisture.

⁷The information contained herein is intended to assist our customers to select the grain drying system that they believe best meets their unique preferences and needs. The performance figures and capacities presented in this document 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. The capacities are for dry bushels and are calculated with an ambient temperature of 70 deg F.

⁸Based on bottom plenum in cooling mode for models L1000-L2000 and bottom two (2) plenums in cooling mode for models L3000-L6000.

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.

Your Authorized M-C Dealer is:



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