

SPECIFICATIONS & CAPACITIES

MODELS	E300/E300h*	E400/E400h*	E500/E500h*	E600/E600h*
Dryer Holding Capacity (m ³)	7.2	9.7	12.2	14.6
Additional Holding Capacity (m ³)	3.3	4.4	5.5	6.5
Total Holding Capacity (m ³)	10.5	14.1	17.7	21.1
Grain Column Thickness (cm)	35.6	35.6	35.6	35.6
Overall Height (m) ⁶	4.6	4.6	4.6	4.6
Overall Width (m)	2.2	2.2	2.2	2.2
Grain Column Length (m)	3.7	4.9	6.1	7.3
Overall Length ⁷	6.6	7.8	9.6	10.8
Number of Fans	1 Centrifugal Fan	1 Centrifugal Fan	1 Centrifugal Fan	1 Centrifugal Fan
Fan Motor Size HP (kW)	15 (11.2)	20 (14.9)	25 (18.6)	30 (22.4)
Level Auger Motor Size HP (kW)	3 (2.3)	3 (2.3)	3 (2.3)	3 (2.3)
Unload Auger Motor Size HP (kW)	1.5 (1.1)	1.5 (1.1)	1.5 (1.1)	1.5 (1.1)
Avg Operating Burner Capacity (kW thermal) ³ - All Heat Mode	856	1,140	1,424	1,709
Max Operating Burner Capacity (kW thermal) ⁴ - All Heat Mode	1,140	1,518	1,899	2,280
Drying Capacity - All Heat Mode (shelled corn, 20%-15%) ^{1,2,5,8}	up to 12.8	up to 17.0	up to 21.2	up to 25.6
Drying Capacity - All Heat Mode (shelled corn, 25%-15%) ^{1,2,5,8}	up to 6.3	up to 8.4	up to 10.4	up to 12.5
Avg Operating Burner Capacity (kW thermal) ³ - Heat + Cool Mode	583	777	950	1,140
Max Operating Burner Capacity (kW thermal) ⁴ - Heat + Cool Mode	777	1,035	1,266	1,518
Drying Capacity - Heat + Cool Mode (shelled corn, 20%-15%) ^{1,5,8}	up to 7.2	up to 9.6	up to 11.9	up to 14.2
Drying Capacity - Heat + Cool Mode (shelled corn, 25%-15%) ^{1,5,8}	up to 4.1	up to 5.4	up to 6.8	up to 8.0

* All heat only option.

¹ Based on 104 deg C heat plenum(s) temperature.

² Discharging at 17% moisture.

³ Average operating burner capacities are based on an 83 deg C temperature rise.

⁴ Max operating burner capacities are based on a 111 deg C temperature rise.

⁵ The information contained herein 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 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.

⁶ Add .61m for a 24" dryer stand set or .92m for a 36" dryer stand set.

⁷ Add .30m if remote cabinet is mounted to the dryer.

⁸ Capacities are in metric tonnes per hour and are based on a grain bulk density of 661 kg/m³

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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