

MODULAR TOWER SERIES

SPECIFICATIONS & CAPACITIES

MODELS	10530	10740	10950	101160	101375	12-20-100	12-24-125	12-28-150
Heat Section Holding Capacity (bu)	331	442	596	740	853	1,024	1,293	1,535
Cool Section Holding Capacity (bu)	111	176	199	232	296	391	444	525
Wet Hopper Holding Capacity (bu)	140	140	140	140	140	335	335	335
Total Holding Capacity (bu)	582	758	935	1,112	1,289	1,750	2,072	2,395
Total Height ¹	34'-4"	42'-5"	50'-6"	58'-6"	66'-7"	74'-10¾"	87'-0¼"	99'-1¼"
Fill Height ¹	32'-4"	40'-5"	48'-5"	56'-6"	64'-7"	71'-10½"	84'-0"	96'-1½"
Diameter	9'-9"	9'-9"	9'-9"	9'-9"	9'-9"	11'-8"	11'-8"	11'-8"
Grain Column Thickness	12"	12"	12"	12"	12"	12"	12"	12"
Number of External Walkways	1	1	2	3	3	3	4	5
Grain Exchanger	NA	NA	Optional	Optional	Optional	Optional	Optional	Optional
Average Operating Burner Capacity (MMBTU/hr) ²	3.37	4.41	5.96	7.26	8.04	11.7	14.2	16.5
Max Operating Burner Capacity (MMBTU/hr) ³	4.49	5.88	7.95	9.68	10.89	15.7	18.9	22.1
Max Burner Nameplate Capacity (MMBTU/hr)	6.00	9.50	10.50	12.50	12.50	25	27	27
Electrical Load (230V/460V)	118/59 Amps	153/77 Amps	180/90 Amps	204/102 Amps	243/121 Amps	301/155 Amps	414/211 Amps	449/228 Amps
Fan Airflow (SCFM)	26,700	35,100	47,200	59,500	64,700	90,000	109,000	128,000
Number of Fans	1	1	1	1	1	1	1	1
Fan Motor Size (HP)	30	40	50	60	75	100	125	150
Capacity (bu/hr, shelled corn, 20%-15% w.b.)	up to 700	up to 930	up to 1,240	up to 1,500	up to 1,700	up to 2,000	up to 2,400	up to 2,800
Capacity (bu/hr, shelled corn, 25%-15% w.b.)	up to 400	up to 540	up to 720	up to 870	up to 1,000	up to 1,160	up to 1,390	up to 1,620

¹ Total height without grain exchangers ² Average burner Capacities based on 150 deg F temperature rise and 20% reclamation efficiency ³ Max burner Capacities based on 200 deg F temperature rise and 20% reclamation efficiency

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



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**GRAIN DRYER
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