

AP Bulk Feed Tank Specifications

Dia.	Mtrs.	#of Rings	Hopper Angle	Overall Height (feet) 30° Roof	Overall Height (feet) 40° Roof	Overall Height (meters) 30° Roof	Overall Height (meters) 40° Roof	*Max. Cap. Bushels 30° Roof	*Max. Cap. Bushels 40° Roof	*Max. Cap. Cubic Feet 30°Roof	*Max. Cap. Cubic Feet 40°Roof	*Max. Cap. Metric Tons 30°Roof	*Max. Cap. Metric Tons 40°Roof	*Max. Cap. US Tons 30°Roof	*Max. Cap. US Tons 40°Roof
6'	1.83M	1	60°	10' 7"	10' 11"	3.23	3.31	111	120	137.99	149.12	2.50	2.71	2.76	2.98
6'	1.83M	2	60°	13' 3"	13' 7"	4.04	4.31	171	180	212.60	223.72	3.86	4.06	4.25	4.48
6'	1.83M	3	60°	15' 11"	16' 3"	4.85	4.94	231	240	287.20	298.32	5.21	5.41	5.74	5.97
6'	1.83M	4	60°	18' 7"	18' 11"	5.66	5.75	291	300	361.80	372.93	6.56	6.77	7.24	7.46
7'	2.13M	1	67°	13' 6"	13' 11"	4.12	4.23	185	198	230.09	246.76	4.17	4.48	4.60	4.94
7'	2.13M	2	67°	16' 2"	16' 7"	4.93	5.05	266	280	331.63	348.30	6.02	6.32	6.63	6.97
7'	2.13M	3	67°	18' 10"	19' 3"	5.75	5.86	348	361	433.17	449.85	7.86	8.16	8.66	9.00
7'	2.13M	4	67°	21' 6"	21' 11"	6.56	6.67	430	443	534.72	551.39	9.70	10.00	10.69	11.03
7'	2.13M	5	67°	24' 2"	24' 7"	7.37	7.48	511	525	636.26	652.94	11.54	11.84	12.73	13.06
7'	2.13M	6	67°	26' 10"	27' 3"	8.18	8.30	593	606	737.81	754.48	13.39	13.69	14.76	15.09
9'	2.74M	1	60°	14'	14' 9"	4.30	4.49	308	335	383.88	416.68	16.96	7.56	7.69	8.33
9'	2.74M	2	60°	16' 9"	17' 5"	5.11	5.30	443	470	551.75	584.54	10.01	10.60	11.04	11.69
9'	2.74M	3	60°	19' 5"	20' 1"	5.92	6.12	578	605	719.62	752.39	13.06	13.65	14.39	15.05
9'	2.74M	4	60°	22' 1"	22' 9"	6.74	6.93	713	739	887.48	920.25	16.10	16.69	17.75	18.41
9'	2.74M	5	60°	24' 9"	25' 5"	7.55	7.74	848	874	1055.34	1088.11	19.15	19.74	21.11	21.76
9'	2.74M	6	60°	27' 5"	28' 1"	8.36	8.55	983	1009	1223.21	1255.97	22.19	22.78	24.46	25.12
12'	3.66M	2	60°	20' 6"	21' 7"	6.25	6.57	923	998	1109.27	1182.69	22.64	25.35	24.96	27.95
12'	3.66M	3	60°	23' 2"	24' 3"	7.06	7.38	1175	1250	1407.69	1481.11	28.73	31.75	31.67	35.00
12'	3.66M	4	60°	25' 10"	26' 11"	7.87	8.19	1427	1501	1706.12	1779.53	34.82	38.14	38.39	42.05
12'	3.66M	5	60°	28' 6"	29' 7"	8.69	9.00	1679	1753	2004.54	2077.94	40.91	44.53	45.10	49.10
12'	3.66M	6	60°	31' 2"	32' 3"	9.50	9.82	1931	2005	2302.96	2376.36	47.00	50.93	51.82	56.15
12'	3.66M	7	60°	33' 9"	34' 11"	10.31	10.63	2184	2257	2602.24	2674.77	53.12	57.32	58.56	63.20
15'	4.57M	2	60°	23' 11"	NA	7.29	NA	1608	NA	1934.95	NA	39.49	NA	43.54	NA
15'	4.57M	3	60°	26' 7"	NA	8.10	NA	2001	NA	2401.22	NA	49.00	NA	53.03	NA
15'	4.57M	4	60°	29' 3"	NA	8.92	NA	2395	NA	2867.50	NA	58.52	NA	64.52	NA
15'	4.57M	5	60°	31' 11"	NA	9.73	NA	2788	NA	333.77	NA	68.04	NA	75.01	NA
15'	4.57M	6	60°	34' 7"	NA	10.54	NA	3182	NA	3800.04	NA	77.55	NA	85.50	NA

*Capacities for 6'-9' (1.83m - 2.7m) diameter tanks are calculated at 40 lbs. per cubic foot with no compaction and to full cubic foot capacities. Capacities for 12'-15' (3.66m - 4.57m) diameter tanks are calculated at 45 lbs. Per cubic foot with 5% compaction and a 27 degree angle of repose.

6', 7' and 9' (1.83m, 2.13m and 2.7m) diameter tanks are designed for the storage of free-flowing material having a density of no more than 40 lbs. Per cubic foot. 12' and 15' (3.66m and 4.57m) diameter tanks are designed for the storage of free-flowing material having a density of no more than 45 lbs. Per cubic foot.

Experience has proven that many bulk feed materials have unpredictable storage characteristics. It is absolutely necessary to install an appropriate agitator in feed tanks storing soybean meal, cotton seed meal, hot feeds and other products not considered as free-flowing materials.

