

Model Diameter	# Sheets	Exact Diameter (feet)	Capacity Per Foot (gallons)	Max Water Depth (Ft) AWWA Z = 2B		Actual Sidewall Height (feet) - Number of Rings - Courses																	Actual Sidewall Height (feet) - Number of Rings - Courses																				
				A .375" max.	B .5" max.	5.51	10.09	14.68	19.26	23.84	28.43	33.01	37.59	42.17	46.76	51.34	55.92	60.51	65.09	69.67	74.26	78.84	83.42	88.00	92.59	97.17	22	23	24	25	26	27	28	29	30	31							
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																	
106	38	106.30	66,392	29.2	38.9	365	670	974	1,278	1,582	1,887	2,132 32.13	2,378 35.83	2,582 39.53																													
109	39	109.10	69,932	28.4	37.9	385	705	1,026	1,346	1,667	1,926 27.54	2,184 31.24	2,443 34.95	2,650 38.65																													
112	40	111.90	73,565	27.7	37.0	405	742	1,079	1,416	1,753	2,026 27.54	2,298 31.24	2,570 34.95	2,721 38.65																													
115	41	114.69	77,289	27.0	36.1	425	780	1,134	1,488	1,842	2,128 27.54	2,414 31.24	2,700 34.95	2,790 38.65																													
117	42	117.49	81,105	26.4	35.2	446	818	1,190	1,562	1,933	2,233 27.54	2,534 31.24	2,834 34.95	2,854 38.65																													
120	43	120.29	85,013	25.8	34.4	468	858	1,247	1,637	2,026	2,341 27.54	2,656 31.24	2,924 34.95																														
123	44	123.09	89,013	25.2	33.6	490	898	1,306	1,714	2,122	2,451 27.54	2,781 31.24	2,990 34.95																														
126	45	125.89	93,105	24.6	32.9	513	939	1,366	1,793	2,219	2,564 27.54	2,909 31.24	3,063 34.95																														
129	46	128.68	97,289	24.1	32.1	536	981	1,427	1,873	2,319	2,679 27.54	3,039 31.24	3,122 34.95																														
131	47	131.48	101,565	23.6	31.5	559	1,025	1,490	1,956	2,331 22.96	2,707 26.66	3,083 30.36	3,199 34.06																														
134	48	134.27	105,933	23.1	30.8	583	1,069	1,554	2,040	2,432 22.96	2,824 26.66	3,216 30.36	3,262 34.06																														
137	49	137.07	110,393	22.6	30.2	608	1,114	1,620	2,126	2,534 22.96	2,943 26.66	3,333 30.36																															
140	50	139.87	114,945	22.2	29.6	633	1,160	1,686	2,213	2,639 22.96	3,064 26.66	3,402 30.36																															
143	51	142.67	119,589	21.7	29.0	658	1,207	1,755	2,303	2,745 22.96	3,188 26.66	3,468 30.36																															
145	52	145.46	124,324	21.3	28.4	685	1,254	1,824	2,394	2,854 22.96	3,314 26.66	3,530 30.36																															
148	53	148.26	129,152	20.9	27.9	711	1,303	1,895	2,487	2,965 22.96	3,443 26.66	3,603 30.36																															
151	54	151.06	134,072	20.5	27.4	738	1,353	1,967	2,582	3,078 22.96	3,574 26.66	3,673 30.36																															
154	55	153.86	139,083	20.2	26.9	766	1,403	2,041	2,678	3,193 22.96	3,708 26.66	3,741 30.36																															
157	56	156.66	144,187	19.8	26.4	794	1,455	2,116	2,776	3,310 22.96	3,806 26.66																																
159	57	159.46	149,382	19.4	25.9	823	1,507	2,192	2,876	3,429 22.96	3,868 26.66																																
162	58	162.26	154,670	19.1	25.5	852	1,561	2,269	2,978	2,842 18.38	3,414 22.08	3,944 25.78																															
171	61	170.65	171,082	18.2	24.2	942	1,726	2,510	3,144 18.38	3,777 22.08	4,140 25.78																																
179	64	179.04	188,318	17.3	23.1	1,037	1,900	2,763	3,460 18.38	4,157 22.08	4,350 25.78																																
187	67	187.43	206,381	16.5	22.1	1,137	2,083	3,028	3,792 18.38	4,556 22.08	4,561 25.78																																
193	69	193.03	218,898	16.1	21.4	1,206	2,209	3,212	4,022 18.38	4,684 22.08																																	
201	72	201.42	238,340	15.4	20.5	1,313	2,405	3,497	4,380 18.38	4,885 22.08																																	
210	75	209.81	258,609	14.8	19.7	1,424	2,610	3,795	4,752 18.38	5,094 22.08																																	
218	78	218.20	279,712	14.2	18.9	1,541	2,823	3,858 13.79	4,893 17.50	5,286 21.20																																	
227	81	226.59	301,642	13.7	18.2	1,662	3,044	4,160 13.79	5,277 17.50	5,489 21.20																																	
235	84	234.99	324,399	13.2	17.6	1,787	3,274	4,474 13.79	5,675 17.50	5,709 21.20																																	
243	87	243.38	347,984	12.7	17.0	1,917	3,512	4,800 13.79	5,915 17.50																																		



SPLIT-CELL CHART KEY:
1,836 1. Top number is tank volume (x 1000) in US Gallons
56.09 2. Bottom number is actual sidewall height with 44" high shell sheets

- Notes:**
- 100 mph wind speed
 - 25 psf live snow load
 - Seismic zone 2B
 - Importance Factor, I = 1.25
 - Site Amplification Factor, S = 1.5
 - Specific gravity 1.0 @ STP
 - Structure height limitations dependent upon local soil conditions and construction techniques
 - AWWA Designates AWWA D103-97
 - Model Designation => Model Diameter & Model Sidewall Height
Example: Model Designation 4228 => 42' diameter & 28' height
 - For steel floor option: Add .678' X Capacity Per Foot (gallons) to listed capacities
 - No freeboard allowance except in the darker gray shaded areas at the far right end of the rows, where the freeboard is variable

Part#: 274480-000
ECN#: 07387
Copyright 2008
Engineered Storage Products

ENGINEERED STORAGE
PRODUCTS COMPANY



AWWA Seismic 2B English Units