Engineered Storage Products Company

Tank Capacity Chart with Concrete Floors (cubic meters)

		Amul	Carrie		aximum Wat			Model Sidewall Height ictual Sidewall Height (Feet)	
Model		Dia.	Per Foot	AISC	Epoxy & Ho AWWA	AISC	3 15 6 7 9 10 11 13 14 16	17 18 20 21 2	
	Sheets	(feet)	(gallons)	(feet)	(feet)	(feet)	3.08 4.47 5.87 7.27 8.66 10.06 11.46 12.85 14.25 15.65	17.05 18.44 19.84 21.24 22.	63 24.03 25.43 26.82 28.22 29.62 31.01 32.41 33.81 35.21 36.60 38.00 39.40 40.79 42.19
11	5	3.41 4.26	4	10.06 42.06	10.06 42.06	10.06 42.06	26 38 53 64 76 91 42 61 83 102 121 140 163 182 201 220	242 261 280 299 3	22 341 360 382 401 420 439 462 481 500 519 541 560 579 598
17	6	5.11	6	42.06	42.06	42.06	61 91 117 148 178 204 235 261 291 318	348 379 405 435 4	62 492 519 549 579 606 636 662 693 723 750 780 806 837 863
20 22	8	5.97 6.82	11	42.06 42.06	42.06 42.06	42.06 42.06	83 125 163 201 242 280 318 356 397 435 110 163 212 265 314 367 416 466 519 568		32 670 708 750 787 825 867 905 943 984 1 022 1 060 1 102 1 139 1 177 25 874 927 977 1 030 1 079 1 132 1 181 1 234 1 283 1 336 1 385 1 435 1 488 1 537
25	9	7.67	14	39.93	42.06	42.06	140 204 269 333 397 462 526 591 659 723	787 852 916 980 1.0	045 1 109 1 173 1 238 1 302 1 367 1 431 1 495 1 560 1 624 1 688 1 753 1 821 1 893 1 957
28 31	10	8.53 9.38	17	35.93 32.66	42.06 42.06	42.06 42.06	174 254 333 413 492 572 651 731 810 890 212 307 405 500 598 693 791 886 984 1 079	973 1 052 1 132 1 211 1 2 1 1 177 1 272 1 370 1 465 1 5	
34	and the second section will be a second section with the second section will be a second section with the second section will be a second section will be a second section with the second section will be a section will be a second section will be a second section will be a second section will be a section will be a second section will be a s	10.23	25	29.94	42.06	42.06	250 367 481 594 712 825 939 1 056 1 170 1 283	1 401 1 514 1 628 1 741 1 8	959 1 972 2 086 2 203 2 317 2 430 2 548 2 661 2 775 2 892 3 006 3 119 3 237 3 350 3 464
36 39	and the second section is a second	11.08	29 34	27.64 25.66	38.90 36.12	42.06 42.06		1643 1775 1912 2048 21	
42	-	12.79	39	23.95	33.71	39.51		2188 2366 2548 2725 29	
45	ERROR SHEETING S	13.64	45	22.46	31.60	37.05 34.86		2487 2691 2896 3100 33	
48 50		14.49	50 56	21.13 19.96	29.74	32.93		2809 3040 3271 3501 37 3149 3411 3668 3925 41	
53	19	16.20	63	18.91	26.61	31.19	632 920 1 208 1 495 1 783 2 071 2 358 2 646 2 934 3 225	3513 3801 4088 4376 46	84 4 951 5 239 5 527 5 814 6 102 6 390
56 59		17.05	70	17.96 17.11	25.28 24.08	29.63	700 1 018 1 340 1 658 1 976 2 298 2 616 2 934 3 252 3 573 772 1 1 24 1 476 1 828 2 180 2 532 2 881 3 233 3 585 3 937	3891 4209 4531 4849 51 4289 4641 4993 5345 56	
62	22	18.76	84	16.33	22.98	26.94	848 1 234 1 620 2 006 2 392 2 778 3 165 3 551 3 937 4 323	4 709 5 095 5 481 5 867 6 2	253 6 640 7 026 7 412
64		19.61	100	15.62	21.98	25.77		5148 5568 5989 6412 68 5602 6060 6522 6980 74	
70	25	21.31	109	14.37	20.22	23.71	1 094 1 594 2 093 2 589 3 089 3 589 4 084 4 584 5 084 5 580	6079 6579 7075 7575 80	
73 76		22.17	118	13.82	19.45	22.79	1 185 1 726 2 264 2 801 3 343 3 880 4 421 4 959 5 500 6 038 1 279 1 859 2 442 3 025 3 604 4 187 4 766 5 349 5 932 6 511		33
78	28	23.87	136	12.83	18.06	21.17	1 374 1 999 2 627 3 252 3 876 4 501 5 125 5 750 6 375 7 003	7 628 8 252 8 877 9 471	
81		24.73	146	12.39	17.43	19.75	1 476	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWIND TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN	
87	31	26.43	167	11.59	16.31	19.12	1 685 2 453 3 218 3 986 4 751 5 519 6 284 7 052 7 817 8 585	0.050 40.440 40.400	NTEC.
90		27.28 28.14	178 189	11.23	15.80 15.32	18.52 17.96	1 798	THE RESIDENCE OF THE PARTY OF T	OTES:
95		28.99	201	10.57	14.87	17.43	2 029 2 949 3 872 4 796 5 716 6 640 7 559 8 483 9 403 10 327		161 kph wind speed
98		29.84	213	10.26	14.44	16.93	2150 3127 4103 5080 6057 7033 8014 8990 9967 10944		
101		30.69 31.55	226 238	9.98	13.66	16.46	2 275 3 308 4 342 5 375 6 409 7 442 8 476 9 509 10 542 11 576 2 404 3 494 4 588 5 678 6 768 7 862 8 952 10 046 11 137 12 227		1.2 kPa live snow load
106	38	32.40	251	9.45	13.30	15.60	2 536 3 687 4 838 5 989 7 143 8 294 9 445 10 595 11 746 12 855		1.2 Ki d live show lodd
109		33.25	265 278	9.21 8.98	12.96	15.20	2 669 3 884 5 095 6 310 7 522 8 737 9 948 11 163 12 374 13 196 2 809 4 084 5 360 6 636 7 915 9 191 10 467 11 742 13 018 13 533	•	Seismic zone 0
115	41	34.96	293	8.76	12.33	14.45	2 953 4 293 5 633 6 973 8 313 9 653 10 993 12 337 13 677 13 870		Seisiffic Zoffe o
117		35.81 36.66	307	8.55 8.35	12.04	14.11	3 096 4 505 5 909 7 317 8 725 10 130 11 538 12 946 14 210 3 248 4 720 6 197 7 669 9 146 10 618 12 094 13 571 14 547	1	Specific growity 1 0 @ STP
123	44	37.52	337	8.16	11.49	13.47	3 399 4 944 6 488 8 033 9 577 11 122 12 666 14 207 14 888	4.	Specific gravity 1.0 @ STP
126 129	45 46	38.37	352 368	7.98 7.81	11.23	13.17	3 554 5 171 6 787 8 400 10 016 11 633 13 249 14 861 15 225 3 713 5 402 7 090 8 778 10 467 12 155 13 839 15 528 15 562	_	Charactura Hainbalimitationar Local Cail
131	47	40.08	384	7.64	10.76	12.61	3 880 5 640 7 400 9 164 10 925 12 689 14 449 15 902	5.	Structure Height Limitations: Local Soil
134		40.93	401	7.48	10.53	12.35	4 047 5 883 7 718 9 558 11 394 13 234 15 070 16 239 4 217 6 129 8 044 9 959 11 875 13 790 15 706 16 576		Conditions and Construction Techniques
140	50	42.63	435	7.18	10.11	11.85	4 391 6 382 8 377 10 372 12 367 14 358 16 353 16 917		
143		43.49	453 471	7.04 6.91	9.91	11.62	4 569 6 643 8 718 10 792 12 867 14 941 17 015 17 254 4 747 6 905 9 062 11 216 13 374 15 531 17 591	6.	AWWA Designates AWWA D103-97
148	53	45.19	489	6.78	9.54	11.18	4 932 7 173 9 414 11 651 13 892 16 133 17 931	0.	, with the besignates , with the brown,
151	THE RESERVE OF THE PERSON NAMED IN	46.04 46.90	507 526	6.65 6.53	9.36	10.97	5 122	7	Assumes a maximum material
157		47.75	546	6.41	9.03	10.58	5 508 8 010 10 508 13 010 15 513 18 015 18 946	/.	
159		48.60	565	6.30	8.87	10.40	5 705 8 298 10 891 13 480 16 073 18 662 19 287		thickness of 9.5mm 5V
162 171		49.46 52.01	585 648	6.19 5.89	8.72 8.29	9.71	5 909 8 593 11 277 13 957 16 641 19 324 19 624 6 534 9 501 12 473 15 441 18 408 20 638	_	
179	64	54.57	713	5.61	7.90	9.26	7 192 10 459 13 730 16 996 20 263 21 652	8.	Model Number => Model Diameter & Model Height
193	ACCRECATE AND ADDRESS OF	57.13 58.84	781 829	5.36 5.21	7.55 7.33	8.84	7 885		
201		61.39	902	4.99	7.02	8.23	9 104 13 241 17 375 21 509 24 359		EXAMPLE: Model Number 4228 => 42' diameter & 28' height
210	75	63.95	979	4.79	6.74	7.90	9 880 14 366 18 851 23 341 25 377	0	For steel floor antions
218	78	66.51	1059	4.61	6.48	7.60	0 686 15 539 20 392 25 245 26 392 1 523 16 758 21 989 27 225 27 406	9.	For steel floor option:
235		71.62	1228	4.28	6.02	7.05	2 393 18 022 23 647 28 421		Add .207m X Capacity Per Meter (cu-m) to capacities
243		74.18	1317	4.13	5.81	6.81	3 294 19 332 25 370 29 435		
S. Consider	10000	Stain	apacity less Stee	Ranges AISC				10.	No Freeboard Allowance except in the yellow shaded
		ху & Но	t Dipped	Galv. AV			Conversions:		· · · · · · · · · · · · · · · · · · ·
	Epo	oxy & H	ot Dippe	d Galv. A	usc		Cubic meters => Gallo		areas where the freeboard is variable
							Multiply cubic meters	by 264.2	
							to get gallons	ı	

NOTES:

- 161 kph wind speed
- 1.2 kPa live snow load
- Seismic zone 0

- Specific gravity 1.0 @ STP
- Structure Height Limitations: Local Soil Conditions and Construction Techniques

- AWWA Designates AWWA D103-97
- Assumes a maximum material thickness of 9.5mm 5V
- Model Number => Model Diameter & Model Height **EXAMPLE:** Model Number 4228 => 42' diameter & 28' height
- 9. For steel floor option: Add .207m X Capacity Per Meter (cu-m) to capacities
- 10. No Freeboard Allowance except in the yellow shaded areas where the freeboard is variable



Engineered Storage Products Company

odel					111	D .1														1.10:											1				
odel		Actual	Capacity		imum Water Epoxy & Hot I	*********															dewall Ho Vall Heig)												
	Sheets	Dia. (feet)	Per Foot (gallons)	AISC (feet)	AWWA	AISC (feet)	6 5.51	10.0		19 8 19.26	24 23.84	28 28.43	33 33.01	38 37.59	42 42.18	47	51 51,34	56 55.92			70						97	102	106		116		125 124.67	129	134
11	4	11.19	736	33.0	(feet) 33.0	33.0	4	7	10	14	17	20.43	24	37.59	42.10	40.76	31.34	55.82	16,00	65.09	09.07 7	4,20 7	0.04 0	03.42 0	10.00	92.59	37.17	101.75	100.34	110.92	115.50	120.09	124.07	129.25	133.04
14	5	13.98	1,148	138.0	138.0	138.0	6	11		22	27	32	37	43	48	53	58	64	69	74	**************	85			RESERVED FOR THE PARTY NAMED IN		111	116	122	127	132	137	143	148	153
17 20	6 7	16.78 19.58	1,654 2,252	138.0 138.0	138.0 138.0	138.0 138.0	9	16		31 43	39 53	47 64	74	62 84	69 94	105	84 115	92 125									218	168 229	175 239	183 249	191	198 270	206	213 291	301
22	8	22.37	2,940	138.0	138.0	138.0	16	29	43	56	70	83	97	110	123	137	150	164	177	191	204	218	231	245	258	272	285	299	312	326	339	353	366	379	393
25 28	9	25.17 27.97	3,722 4,596	131.0 117.9	138.0 138.0	138.0 138.0	20	37 46		71 88	88 109	105	122	139 172	156 193	174 214	191	208 257		_							361 446	378 467	395 488	412 509	429 530	446 551	463 572	481 594	615
31	11	30.77	5,562	107.1	138.0	138.0	30	56		107	132	158	183	209	234	260	285	311	& consequences de la consequencia de la consequenci	manner man		CONTRACTOR OF THE PARTY OF THE	CHARLEST STREET, STREET, STREET,		************	· · · · · · · · · · · · · · · · · · ·	540	565	591	616	642	667	693	718	744
34	12	33.56	6,617	98.2	138.0	138.0	36	66		127	157	188	218	248	279	309	339	370									642	673	703	733	764	794	824	855	885
36 39	13 14	36.36 39.16	7,767 9,009	90.7 84.2	127.6 118.5	138.0 138.0	42	78 90	***************		185 214	220 256	256 297	291 338	327 379	363 421	462	503	drawn and the same of the	· · · · · · · · · · · · · · · · · · ·	*************	CHICAGO STATES OF THE PARTY NAMED IN	shrunda sanara sanara sanara			Company Commence	754 875	790 916	825 957	861 999	1,040	932	968	1,003	1,039
42	15	41.96	10,343	78.6	110.6	129.6	57	104	151	199	246	294	341	388	436	483	531	578	625	673	720	768	815	862	910	957	1,005	1,052	1,099	1,147	1,194	1,242	1,289		
45 48	16 17	44.75 47.55	11,765 13,283	73.7 69.3	103.7 97.6	121.5 114.4	73	118	172		280 316	334 377	388 438	442 499	496 560	550 621	604	657 742			1111			***********	RESTRICTED AND ADDRESS OF	1,089	***********	1,197	Secoffeen seathers	eratualisment accessed		1,412	1,429		
50	18	50.35	14,893	65.5	92.2	108.0	82	150			355	423	491	559	628	696	764	832										1,515			1,010				
3	19	53.15	16,596	62.0	87.3	102.3	91	167			395	471	547	623	699	775	852		1,004 1									1,688							
56 59	20 21	55.95 58.74	18,390 20,270	58.9 56.1	82.9 79.0	97.2 92.6	101	185 204		354 390	438 483	522 576	607 669	691 761	775 854	859 947			1,112 1								1,767								
2	22	61.54	22,249	53.6	75.4	88.4	122	224	326	428	530	632	734	836	938	1,040	1,142	1,244	1,346 1	1,448	1,550 1	,652 1	,754 1	,856 1	1,958										
54 57	23 24	64.34 67.13	24,319 26,474	51.2 49.1	72.1 69.1	84.5 81.0	134	245	356 388		579 631	691 752	802 873	914 995	1,025				1,471 1 1,601 1						2,055										
0	25	69.93	28,729	47.1	66.4	77.8	158		421		684	816	948						1,738 1					1144							-				-
3	26	72.73	31,076	45.3	63.8	74.8	171		456		740	883	1,025	1,168	1,310		1,595	1,737	1,880 2	2,022	2,165 2	,307										1000			
8	27 28	75.53 78.32	33,514 36,036	43.7 42.1	61.4 59.2	72.0 69.4	184	338		645 694	799 859	952 1,024	1,106	1,259 1,354	1,413				2,027 2			413										1			
	29	81.12	38,659	40.6	57.2	67.0	213	390		744	921	1,098	1,276	1,453	1,630	1,807	1,984		2,339																
	30	83.92	41,374	39.3	55.3	64.8	228	417		796	986	1,176	1,365	1,555	1,744				2,503 2		THE CO.														_
7	31 32	86.72 89.51	44,180 47,069	38.0 36.8	53.5 51.8	62.7 60.8	243 259	445	648 690	850 906	1,053	1,255 1,337	1,458 1,553	1,660	1,863 1,985	2,065			2,673 2 2,848 2																
2	33	92.31	50,060	35.7	50.3	58.9	275	505	734	964	1,193	1,422	1,652	1,881	2,111	2,340	2,570	2,799	2,949													A CO			
8	34 35	95.11 97.91	53,143 56,318	34.7 33.7	48.8 47.4	57.2 55.6	292 310	536 568	*******	1,023 1,084	1,267 1,342	1,510 1,600	1,754	1,997	2,241 2,375		2,728	2,971 3,128	3,039												1				
01	36	100.70	59,573	32.7	46.1	54.0	328	601			1,420	1,693	1,966	2,239	2,512		3,058															E			
04	37	103.50	62,932	31.9	44.8	52.6	346					1,788	2,077	2,365	2,654			3,307	4																
06 09	38 39	106.30 109.10	66,383 69,926	31.0 30.2	43.7 42.5	51.2 49.9	365 385	670 705	974		1,582 1,667	1,887	2,191 2,308	2,495 2,628	2,799 2,949		3,396 3,486	NC	DTES:									4.				E.			
12	40	111.90	73,562	29.5	41.5	48.6	405	742	1,07	9 1,416	1,753	2,091	2,428	2,765	3,102	3,439	3,575	1		mph	wind s	speed	4					1:							
15 17	41 42	114.69 117.49	77,276 81,095	28.7 28.1	40.5 39.5	47.4 46.3	425 446		1,13	*****	1,842	2,196 2,305	2,550 2,676	2,904 3,048	3,259 3,420		3,664			-		•						1							
20	43	120.29	85,006	27.4	38.6	45.2	468	858			2,026	2,416	2,805	3,195	3,585			2.	25 ps	st live	snov	v load	d												
23	44	123.09	89,010	26.8	37.7	44.2	490	898	THE PERSON NAMED IN COLUMN	THE RESERVED TO SERVED TO	2,122	2,530	2,938	3,346	3,753			3.	Seisn	nic zo	one 0														
26 29	45 46	125.89 128.68	93,105 97,278	26.2 25.6	36.9 36.1	43.2 42.3	513	939		6 1,793 7 1,873	2,219	2,646	3,073	3,500 3,656	3,926	4,022 4,111	1	1	Cnaa	:f: _ ~	rovity.	106	e CTD)								8			
31	47	131.48	101,557	25.1	35.3	41.4	559	1,02	5 1,49	1,955	2,421	2,886	3,352	3,817	4,201		•	4.	Spec	inc g	ravity	1.0 @	9 317					1		al.	(80				
34 37	48 49	134.27	105,913	24.6 24.1	34.6 33.9	40.5 39.7	583			4 2,039 9 2,125	2,525	3,010	3,496	3,981 4,149	4,290			5.	Struc	cture	Heigh	nt Lim	itatio	ns: Lo	ocal S	Soil		Liter	4 .40	W.			24/	1374	R.
40		139.87	114,932	23.6	33.2	38.9				6 2,213	2,740		3,793	4,320	4,469				Cond	dition	s and	Cons	structi	ion Te	echni	iques				4	1				
43	51	142.67	119,580	23.1	32.5	38.1	659	1,20	7 1,75	5 2,303	2,851	3,399	3,947	4,495	4,558	2		6.	Δ\Λ/\/	VA D	esigna	ates A	۱۸/۱۸/	Δ D10	03-97	7							The state of	Tilder.	
45 48	52 53	145.46 148.26	124,302 129,134	22.7	31.9 31.3	37.4 36.7				4 2,394 5 2,487	2,963 3,078	3,533 3,670	4,103 4,262	4,647 4,737							-				00 //	,				-		_	PRO	DUCT	ED STO S COMP
51	54	151.06	134,057	21.8	30.7	36.0	738	1,35	3 1,96	7 2,581	3,196	3,810	4,425	4,826	1			7.			a max			erial					district.	-	-				
54 57	55 56	153.86 156.66	139,073	21.4 21.0	30.2 29.6	35.4 34.7	766	1,40	3 2,04	1 2,678	3,315	3,953	4,590	4,916					thick	ness	of 0.3	375'' 5	5V							-					
59	57	159.46	144,181 149,381	20.7	29.0	34.1	823	1,50	7 2,19	6 2,776 2 2,877	3,437 3,561	4,098 4,246	4,759 4,930	5,005 5,095				8.	Mod	el Nu	ımber	=> N	N odel	l Diar	nete	r & M	odel	Heigh	nt						
32	58	162.26	154,673	20.3	28.6	33.5	852	1,56	1 2,27	2,979	3,687	4,396	5,105	5,184														meter							
71 79	*****************	170.65 179.04	171,082 188,318	19.3 18.4	27.2 25.9	31.9 30.4	942	1,72	0 2,51	3,295 3 3,627	4,079 4,490	4,863 5,353	5,452 5,720						28' h						-	-									
79 87		187.43	206,381	17.6	24.8	29.0				9 3,974	4,490	5,866	5,720	1				_		•		. •													
93		193.03	218,898	17.1	24.0	28.2	1,206	2,20	9 3,21	2 4,215		6,167		•				9.	For s			•		_	,										
01		201.42	238,340	16.4	23.0	27.0	1,313	2,40	5 3,49	4,590		6,435							Add	0.678	8. X C	apaci	ty Pe	r Foo	t (ga	allons)	to ca	apaciti	es						
10	***************************************	209.81 218.20	258,609 279,712	15.7 15.1	22.1 21.3	25.9 24.9				5 4,980 5 5,387	6,166 6,669	6,704 6,972						10.	. No F	reeb	oard A	Allowa	ance	excer	ot in	the ye	ellow	shade	ed						
27		226.59	301,642	14.6	20.5	24.0				7 5,809	7,192	7,240									ere the													(
35		234.99	324,399	14.0	19.7	23.1				1 6,247		-	-																s => C						

Tank Capacity Ranges

Stainless Steel AISC Epoxy & Hot Dipped Galv. AWWA Epoxy & Hot Dipped Galv. AISC

Conversion: Gallons => Cubic feet _ Multiply 1000 gallons by 133.68

to get cu-ft

Conversion: Gallons => Cubic meters _ Multiply 1000 gallons by 3.785 to get cu-meters



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