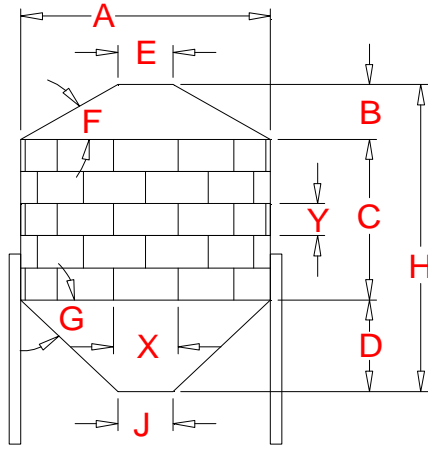


### Cubic Foot Capacity of 45° Hopper Tank using 116.5" x 42" Sheets



- E** 30 Inch Diameter-Top Opening
- F** 30 degree of Roof
- G** 45 degree of Hopper
- J** 16 Inch Dia.-Discharge Opening
- X** 116.5 Inch Arc Length
- Y** 42 Inch Tier (Ring) Height

Tiers High	1	2	3	4	5	6	7	8	9	10	Sheets per Tier	Actual Diameter Feet	Roof Height Feet	Hopper Height Feet
<b>C (ft)</b>	<b>3.50</b>	<b>7.00</b>	<b>10.50</b>	<b>14.00</b>	<b>17.50</b>	<b>21.00</b>	<b>24.50</b>	<b>28.00</b>	<b>31.50</b>	<b>35.00</b>		<b>A</b>	<b>B</b>	<b>D</b>
<b>Nom.Dia.</b>	<b>CAPACITY IN CUBIC FEET</b>													
<b>6</b>	152	257	362	467	572	677	782	887	992	1,097	<b>2</b>	6.181	1.062	2.424
<b>9</b>	399	636	872	1,108	1,344	1,581	1,817	2,053	2,289	2,526	<b>3</b>	9.271	1.955	3.969
<b>12</b>	808	1,229	1,649	2,069	2,489	2,909	3,329	3,749	4,169	4,589	<b>4</b>	12.361	2.847	5.514
<b>15</b>	1,416	2,073	2,729	3,385	4,042	4,698	5,354	6,010	6,667	7,323	<b>5</b>	15.451	3.739	7.059
<b>19</b>	2,260	3,205	4,150	5,095	6,040	6,985	7,930	8,875	9,820	10,765	<b>6</b>	18.542	4.631	8.604
<b>22</b>	3,375	4,661	5,947	7,234	8,520	9,806	11,093	12,379	13,665	14,952	<b>7</b>	21.632	5.523	10.149
<b>25</b>	4,798	6,478	8,158	9,839	11,519	13,199	14,879	16,559	18,239	19,919	<b>8</b>	24.722	6.415	11.694
<b>28</b>	6,567	8,693	10,820	12,946	15,072	17,199	19,325	21,451	23,578	25,704	<b>9</b>	27.812	7.307	13.239
<b>31</b>	8,717	11,342	13,967	16,592	19,217	21,842	24,468	27,093	29,718	32,343	<b>10</b>	30.903	8.199	14.785
<b>34</b>	11,285	14,461	17,638	20,814	23,991	27,167	30,343	33,520	36,696	39,873	<b>11</b>	33.993	9.091	16.330
<b>37</b>	14,308	18,088	21,868	25,648	29,429	33,209	36,989	40,769	44,549	48,329	<b>12</b>	37.083	9.983	17.875
<b>40</b>	17,822	22,258	26,695	31,131	35,568	40,004	44,441	48,877	53,313	57,750	<b>13</b>	40.173	10.875	19.420

### Dimension "H" in Feet

Tiers High	1	2	3	4	5	6	7	8	9	10	Sheets per Tier
<b>Nom.Dia.</b>											
<b>6</b>	7.0	10.5	14.0	17.5	21.0	24.5	28.0	31.5	35.0	38.5	<b>2</b>
<b>9</b>	9.4	12.9	16.4	19.9	23.4	26.9	30.4	33.9	37.4	40.9	<b>3</b>
<b>12</b>	11.9	15.4	18.9	22.4	25.9	29.4	32.9	36.4	39.9	43.4	<b>4</b>
<b>15</b>	14.3	17.8	21.3	24.8	28.3	31.8	35.3	38.8	42.3	45.8	<b>5</b>
<b>19</b>	16.7	20.2	23.7	27.2	30.7	34.2	37.7	41.2	44.7	48.2	<b>6</b>
<b>22</b>	19.2	22.7	26.2	29.7	33.2	36.7	40.2	43.7	47.2	50.7	<b>7</b>
<b>25</b>	21.6	25.1	28.6	32.1	35.6	39.1	42.6	46.1	49.6	53.1	<b>8</b>
<b>28</b>	24.0	27.5	31.0	34.5	38.0	41.5	45.0	48.5	52.0	55.5	<b>9</b>
<b>31</b>	26.5	30.0	33.5	37.0	40.5	44.0	47.5	51.0	54.5	58.0	<b>10</b>
<b>34</b>	28.9	32.4	35.9	39.4	42.9	46.4	49.9	53.4	56.9	60.4	<b>11</b>
<b>37</b>	31.4	34.9	38.4	41.9	45.4	48.9	52.4	55.9	59.4	62.9	<b>12</b>
<b>40</b>	33.8	37.3	40.8	44.3	47.8	51.3	54.8	58.3	61.8	65.3	<b>13</b>

### Number of Sidewall Sheets per Hoppered Tank

Tiers High	1	2	3	4	5	6	7	8	9	10	Sheets per Tier
Nom.Dia.											
6	2	4	6	8	10	12	14	16	18	20	2
9	3	6	9	12	15	18	21	24	27	30	3
12	4	8	12	16	20	24	28	32	36	40	4
15	5	10	15	20	25	30	35	40	45	50	5
19	6	12	18	24	30	36	42	48	54	60	6
22	7	14	21	28	35	42	49	56	63	70	7
25	8	16	24	32	40	48	56	64	72	80	8
28	9	18	27	36	45	54	63	72	81	90	9
31	10	20	30	40	50	60	70	80	90	100	10
34	11	22	33	44	55	66	77	88	99	110	11
37	12	24	36	48	60	72	84	96	108	120	12
40	13	26	39	52	65	78	91	104	117	130	13

**Exterior Surface Area in Square Feet**

Tiers High	1	2	3	4	5	6	7	8	9	10	Sheets per Tier	SF Area Roof & Hopper
Nom.Dia.												
6	137	205	273	341	409	477	545	613	681	749	2	69
9	268	370	472	574	675	777	879	981	1,083	1,185	3	166
12	437	572	708	844	980	1,116	1,252	1,388	1,524	1,660	4	301
15	644	814	984	1,154	1,324	1,493	1,663	1,833	2,003	2,173	5	474
19	890	1,094	1,298	1,501	1,705	1,909	2,113	2,317	2,521	2,725	6	686
22	1,174	1,412	1,650	1,888	2,126	2,364	2,601	2,839	3,077	3,315	7	936
25	1,497	1,769	2,041	2,313	2,585	2,856	3,128	3,400	3,672	3,944	8	1,225
28	1,859	2,165	2,470	2,776	3,082	3,388	3,694	4,000	4,305	4,611	9	1,553
31	2,259	2,599	2,938	3,278	3,618	3,958	4,298	4,637	4,977	5,317	10	1,919
34	2,698	3,071	3,445	3,819	4,193	4,566	4,940	5,314	5,688	6,061	11	2,324
37	3,175	3,582	3,990	4,398	4,806	5,213	5,621	6,029	6,437	6,844	12	2,767
40	3,690	4,132	4,574	5,016	5,457	5,899	6,341	6,782	7,224	7,666	13	3,249

**34.0 Square Foot Coverage per Sidewall Sheet**

**RATIO of Cu.Ft. Capacity TO: Sq.Ft. Exterior Surface**

Tiers High	1	2	3	4	5	6	7	8	9	10	Sheets per Tier
Nom.Dia.											
6	1.11	1.25	1.33	1.37	1.40	1.42	1.44	1.45	1.46	1.46	2
9	1.49	1.72	1.85	1.93	1.99	2.03	2.07	2.09	2.11	2.13	3
12	1.85	2.15	2.33	2.45	2.54	2.61	2.66	2.70	2.74	2.76	4
15	2.20	2.55	2.77	2.93	3.05	3.15	3.22	3.28	3.33	3.37	5
19	2.54	2.93	3.20	3.39	3.54	3.66	3.75	3.83	3.90	3.95	6
22	2.87	3.30	3.60	3.83	4.01	4.15	4.26	4.36	4.44	4.51	7
25	3.20	3.66	4.00	4.25	4.46	4.62	4.76	4.87	4.97	5.05	8
28	3.53	4.02	4.38	4.66	4.89	5.08	5.23	5.36	5.48	5.57	9
31	3.86	4.36	4.75	5.06	5.31	5.52	5.69	5.84	5.97	6.08	10
34	4.18	4.71	5.12	5.45	5.72	5.95	6.14	6.31	6.45	6.58	11
37	4.51	5.05	5.48	5.83	6.12	6.37	6.58	6.76	6.92	7.06	12
40	4.83	5.39	5.84	6.21	6.52	6.78	7.01	7.21	7.38	7.53	13