

HIGHER POWER HYDRAULIC DOORS  
UNFACTORED DOOR JAMB REACTIONS - 125 mph - ASCE 7-22 / IBC-24

Weight (psf)	Door Height	Wind Vel. A (mph)	Wind Load A (psf) (psf)	Wind Vel. B (mph)	Wind Load B (psf)	Wind Vel. C (mph)	Wind Load C (psf) Downward	Wind Load C (psf) Uplift
11.0	$h \leq 24$ ft	125	32.7	50	7.2	50	3.2	-5.9
	$24$ ft < $h \leq 32$ ft		34.7		7.6		3.4	-6.2

Wind Vel. A = Code Basic Wind Speed

Wind Vel. B = Maximum Wind Speed while Opening Door

Wind Vel. C = Maximum Wind Speed while Door Open

Base Reaction = Reaction of Jamb Column into Floor Slab

Top Reaction = Reaction of Jamb Column to Building Column/Frame Beam

### METHODOLOGY

Reactions calculated based on ASCE 7-22.

Wind forces based on Component & Cladding loads, using the door area as the effective wind area.

Wind speed when door is open or opening is limited to 50 mph.

Velocity pressure is calculated per ASCE 7-22, EQN. 26.10-1.

No net uplift exists in jamb columns as door self-weight offsets wind uplift forces.

### ASSUMPTIONS

Building meets the conditions of ASCE 7-22, Section 30.1.2.

Building is considered Risk Category II.

For doors  $\leq 24'$  in height, assumed mean roof height = 30'.

For doors  $24' < h \leq 32'$ , assumed mean roof height = 40'.

Building is considered enclosed when the door is closed, and partially enclosed when the door is open or opening.

Wind Exposure = "C".

Notes:

(+) Base Vertical Reaction = Down

(+) Top Vertical Reaction = Up

Horizontal Reactions Are Either Towards Or Away From Door

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
30	10	2768	2130	2130	0
30	12	3265	2556	2612	0
30	14	3760	2982	3097	0
30	16	4254	3408	3583	0
30	18	4747	3834	4069	0
30	20	5240	4260	4556	0
30	22	5732	4686	5044	0
30	24	6223	5112	5532	0
30	26	7126	5614	6389	0
30	28	7647	6046	6907	0
30	30	8168	6478	7426	0
30	32	8689	6909	7944	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
32	10	2953	2272	2272	0
32	12	3483	2726	2786	0
32	14	4011	3181	3303	0
32	16	4538	3635	3821	0
32	18	5064	4089	4340	0
32	20	5589	4544	4860	0
32	22	6114	4998	5380	0
32	24	6638	5452	5901	0
32	26	7601	5988	6815	0
32	28	8157	6449	7368	0
32	30	8713	6909	7921	0
32	32	9268	7370	8474	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
34	10	3138	2414	2414	0
34	12	3701	2897	2961	0
34	14	4262	3379	3510	0
34	16	4822	3862	4060	0
34	18	5380	4345	4612	0
34	20	5938	4828	5164	0
34	22	6496	5310	5716	0
34	24	7053	5793	6269	0
34	26	8076	6362	7241	0
34	28	8667	6852	7828	0
34	30	9257	7341	8416	0
34	32	9848	7831	9004	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
36	10	3322	2556	2555	0
36	12	3918	3067	3135	0
36	14	4513	3578	3716	0
36	16	5105	4089	4299	0
36	18	5697	4600	4883	0
36	20	6288	5112	5468	0
36	22	6878	5623	6053	0
36	24	7468	6134	6638	0
36	26	8551	6737	7666	0
36	28	9177	7255	8288	0
36	30	9802	7773	8911	0
36	32	10427	8291	9533	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
38	10	3507	2698	2697	0
38	12	4136	3237	3309	0
38	14	4763	3777	3923	0
38	16	5389	4316	4538	0
38	18	6013	4856	5154	0
38	20	6637	5396	5771	0
38	22	7260	5935	6389	0
38	24	7883	6475	7007	0
38	26	9026	7111	8092	0
38	28	9686	7658	8749	0
38	30	10346	8205	9406	0
38	32	11006	8752	10063	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
40	10	3691	2840	2839	0
40	12	4354	3408	3483	0
40	14	5014	3976	4129	0
40	16	5672	4544	4777	0
40	18	6330	5112	5426	0
40	20	6986	5679	6075	0
40	22	7642	6247	6725	0
40	24	8298	6815	7376	0
40	26	9501	7485	8518	0
40	28	10196	8061	9209	0
40	30	10891	8637	9901	0
40	32	11585	9213	10592	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
42	10	3876	2982	2981	0
42	12	4572	3578	3657	0
42	14	5265	4174	4336	0
42	16	5956	4771	5016	0
42	18	6646	5367	5697	0
42	20	7336	5963	6379	0
42	22	8024	6560	7062	0
42	24	8713	7156	7745	0
42	26	9976	7859	8944	0
42	28	10706	8464	9670	0
42	30	11435	9069	10396	0
42	32	12165	9673	11122	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
44	10	4060	3124	3123	0
44	12	4789	3748	3831	0
44	14	5515	4373	4542	0
44	16	6240	4998	5254	0
44	18	6963	5623	5968	0
44	20	7685	6247	6683	0
44	22	8407	6872	7398	0
44	24	9128	7497	8113	0
44	26	10451	8234	9370	0
44	28	11216	8867	10130	0
44	30	11980	9500	10891	0
44	32	12744	10134	11652	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
46	10	4245	3266	3265	0
46	12	5007	3919	4006	0
46	14	5766	4572	4748	0
46	16	6523	5225	5493	0
46	18	7279	5878	6239	0
46	20	8034	6531	6986	0
46	22	8789	7185	7734	0
46	24	9543	7838	8482	0
46	26	10926	8608	9796	0
46	28	11726	9270	10591	0
46	30	12525	9932	11386	0
46	32	13323	10594	12181	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
48	10	4430	3408	3407	0
48	12	5225	4089	4180	0
48	14	6017	4771	4955	0
48	16	6807	5452	5732	0
48	18	7596	6134	6511	0
48	20	8384	6815	7290	0
48	22	9171	7497	8070	0
48	24	9957	8178	8851	0
48	26	11401	8982	10222	0
48	28	12235	9673	11051	0
48	30	13069	10364	11881	0
48	32	13902	11055	12711	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
50	10	4614	3550	3549	0
50	12	5442	4260	4354	0
50	14	6267	4970	5161	0
50	16	7090	5679	5971	0
50	18	7912	6389	6782	0
50	20	8733	7099	7594	0
50	22	9553	7809	8407	0
50	24	10372	8519	9220	0
50	26	11876	9356	10648	0
50	28	12745	10076	11512	0
50	30	13614	10796	12376	0
50	32	14482	11516	13240	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
52	10	4799	3692	3691	0
52	12	5660	4430	4528	0
52	14	6518	5168	5368	0
52	16	7374	5907	6210	0
52	18	8229	6645	7053	0
52	20	9082	7383	7898	0
52	22	9935	8122	8743	0
52	24	10787	8860	9589	0
52	26	12352	9731	11074	0
52	28	13255	10479	11972	0
52	30	14158	11228	12871	0
52	32	15061	11976	13770	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
54	10	4983	3834	3833	0
54	12	5878	4600	4702	0
54	14	6769	5367	5574	0
54	16	7658	6134	6449	0
54	18	8545	6901	7324	0
54	20	9432	7667	8201	0
54	22	10317	8434	9079	0
54	24	11202	9201	9957	0
54	26	12827	10105	11500	0
54	28	13765	10882	12433	0
54	30	14703	11660	13366	0
54	32	15640	12437	14300	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
56	10	5168	3976	3975	0
56	12	6095	4771	4876	0
56	14	7019	5566	5781	0
56	16	7941	6361	6687	0
56	18	8862	7156	7596	0
56	20	9781	7951	8505	0
56	22	10699	8746	9415	0
56	24	11617	9542	10326	0
56	26	13302	10479	11926	0
56	28	14275	11285	12893	0
56	30	15247	12091	13861	0
56	32	16220	12898	14829	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
58	10	5352	4118	4117	0
58	12	6313	4941	5050	0
58	14	7270	5765	5987	0
58	16	8225	6588	6926	0
58	18	9178	7412	7867	0
58	20	10130	8235	8809	0
58	22	11081	9059	9752	0
58	24	12032	9882	10695	0
58	26	13777	10853	12352	0
58	28	14784	11688	13354	0
58	30	15792	12523	14356	0
58	32	16799	13358	15359	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
60	10	5537	4260	4259	0
60	12	6531	5112	5225	0
60	14	7521	5963	6194	0
60	16	8509	6815	7165	0
60	18	9495	7667	8138	0
60	20	10480	8519	9113	0
60	22	11463	9371	10088	0
60	24	12447	10223	11064	0
60	26	14252	11228	12777	0
60	28	15294	12091	13814	0
60	30	16336	12955	14851	0
60	32	17378	13819	15889	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
62	10	5721	4402	4401	0
62	12	6748	5282	5399	0
62	14	7772	6162	6400	0
62	16	8792	7043	7404	0
62	18	9811	7923	8410	0
62	20	10829	8803	9416	0
62	22	11846	9684	10424	0
62	24	12862	10564	11433	0
62	26	14727	11602	13203	0
62	28	15804	12494	14275	0
62	30	16881	13387	15346	0
62	32	17957	14279	16418	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
64	10	5906	4544	4543	0
64	12	6966	5452	5573	0
64	14	8022	6361	6607	0
64	16	9076	7270	7643	0
64	18	10128	8178	8681	0
64	20	11178	9087	9720	0
64	22	12228	9996	10760	0
64	24	13277	10905	11801	0
64	26	15202	11976	13629	0
64	28	16314	12898	14735	0
64	30	17425	13819	15841	0
64	32	18537	16788	16948	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
66	10	6091	4686	4685	0
66	12	7184	5623	5747	0
66	14	8273	6560	6813	0
66	16	9359	7497	7882	0
66	18	10444	8434	8952	0
66	20	11527	9371	10024	0
66	22	12610	10308	11097	0
66	24	13691	11245	12170	0
66	26	15677	12351	14055	0
66	28	16824	13301	15196	0
66	30	17970	14251	16336	0
66	32	19116	17313	17477	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
68	10	6275	4828	4827	0
68	12	7401	5793	5921	0
68	14	8524	6759	7019	0
68	16	9643	7724	8120	0
68	18	10761	8690	9223	0
68	20	11877	9655	10328	0
68	22	12992	10621	11433	0
68	24	14106	11586	12539	0
68	26	16152	12725	14481	0
68	28	17333	13704	15656	0
68	30	18514	16722	16831	0
68	32	19695	17837	18007	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
70	10	6460	4970	4969	0
70	12	7619	5963	6095	0
70	14	8774	6957	7226	0
70	16	9927	7951	8359	0
70	18	11077	8945	9495	0
70	20	12226	9939	10631	0
70	22	13374	10933	11769	0
70	24	14521	11927	12908	0
70	26	16627	13099	14907	0
70	28	17843	14107	16116	0
70	30	19059	17214	17326	0
70	32	20274	18362	18537	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
72	10	6644	5112	5111	0
72	12	7837	6134	6269	0
72	14	9025	7156	7432	0
72	16	10210	8178	8598	0
72	18	11394	9201	9766	0
72	20	12575	10223	10935	0
72	22	13756	11245	12105	0
72	24	14936	12268	13277	0
72	26	17102	13473	15333	0
72	28	18353	16526	16577	0
72	30	19604	17706	17821	0
72	32	20854	18887	19066	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
74	10	6829	5254	5253	0
74	12	8055	6304	6444	0
74	14	9276	7355	7639	0
74	16	10494	8406	8837	0
74	18	11710	9456	10037	0
74	20	12925	10507	11239	0
74	22	14138	11558	12442	0
74	24	15351	12608	13645	0
74	26	16627	13848	15759	0
74	28	17843	16985	17037	0
74	30	19059	18198	18316	0
74	32	20274	19411	19596	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
76	10	7013	5396	5395	0
76	12	8272	6475	6618	0
76	14	9526	7554	7845	0
76	16	10778	8633	9076	0
76	18	12027	9712	10308	0
76	20	13274	10791	11543	0
76	22	14520	11870	12778	0
76	24	15766	12949	14014	0
76	26	18052	14222	16185	0
76	28	19373	17444	17498	0
76	30	20693	18690	18812	0
76	32	22012	19936	20126	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
78	10	7198	5538	5537	0
78	12	8490	6645	6792	0
78	14	9777	7753	8052	0
78	16	11061	8860	9315	0
78	18	12343	9968	10580	0
78	20	13623	11075	11846	0
78	22	14903	12183	13114	0
78	24	16181	13290	14383	0
78	26	18527	16624	16611	0
78	28	19882	17903	17958	0
78	30	21237	19182	19307	0
78	32	22592	20460	20655	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
80	10	7383	5679	5679	0
80	12	8708	6815	6966	0
80	14	10028	7951	8258	0
80	16	11345	9087	9554	0
80	18	12660	10223	10851	0
80	20	13973	11359	12150	0
80	22	15285	12495	13451	0
80	24	16596	13631	14752	0
80	26	19002	17050	17037	0
80	28	20392	18362	18419	0
80	30	21782	19673	19802	0
80	32	23171	23545	21185	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
82	10	7567	5821	5821	0
82	12	8925	6986	7140	0
82	14	10279	8150	8465	0
82	16	11628	9314	9792	0
82	18	12976	10479	11122	0
82	20	14322	11643	12454	0
82	22	15667	12807	13787	0
82	24	17011	13972	15121	0
82	26	19477	17477	17462	0
82	28	20902	18821	18879	0
82	30	22326	20165	20297	0
82	32	23750	24134	21714	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
84	10	7752	5963	5963	0
84	12	9143	7156	7314	0
84	14	10529	8349	8671	0
84	16	11912	9542	10031	0
84	18	13293	10734	11394	0
84	20	14671	11927	12758	0
84	22	16049	13120	14123	0
84	24	17425	16328	15489	0
84	26	19952	17903	17888	0
84	28	21412	19280	19340	0
84	30	22871	23177	20792	0
84	32	24329	24722	22244	0



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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
86	10	7936	6105	6105	0
86	12	9361	7327	7489	0
86	14	10780	8548	8878	0
86	16	12196	9769	10270	0
86	18	13609	10990	11665	0
86	20	15021	12211	13061	0
86	22	16431	13432	14459	0
86	24	17840	16717	15858	0
86	26	20428	18329	18314	0
86	28	21922	19739	19800	0
86	30	23415	23729	21287	0
86	32	24909	25311	22774	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
88	10	8121	6247	6247	0
88	12	9578	7497	7663	0
88	14	11031	8746	9084	0
88	16	12479	9996	10509	0
88	18	13926	11245	11936	0
88	20	15370	12495	13365	0
88	22	16813	13744	14796	0
88	24	18255	17106	16227	0
88	26	20903	18755	18740	0
88	28	22432	20198	20261	0
88	30	23960	24281	21782	0
88	32	25488	25900	23303	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
90	10	8305	6389	6389	0
90	12	9796	7667	7837	0
90	14	11281	8945	9290	0
90	16	12763	10223	10748	0
90	18	14242	11501	12207	0
90	20	15719	12779	13669	0
90	22	17195	14057	15132	0
90	24	18670	17495	16596	0
90	26	21378	19182	19166	0
90	28	22941	23177	20721	0
90	30	24504	24833	22277	0
90	32	26067	26488	23833	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
92	10	8490	6531	6531	0
92	12	10014	7838	8011	0
92	14	11532	9144	9497	0
92	16	13047	10450	10987	0
92	18	14558	11757	12479	0
92	20	16069	13063	13973	0
92	22	17577	16393	15468	0
92	24	19085	17883	16965	0
92	26	21853	19608	19592	0
92	28	23451	23692	21182	0
92	30	25049	25384	22772	0
92	32	26646	27077	24362	0

HIGHER POWER HYDRAULIC DOORS  
UNFACTORED DOOR JAMB REACTIONS - 125 mph - ASCE 7-22 / IBC-24

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
94	10	8674	6673	6673	0
94	12	10231	8008	8185	0
94	14	11783	9343	9703	0
94	16	13330	10677	11225	0
94	18	14875	12012	12750	0
94	20	16418	13347	14276	0
94	22	17959	16749	15804	0
94	24	19500	18272	17333	0
94	26	22328	20034	20018	0
94	28	23961	24207	21642	0
94	30	25594	25936	23267	0
94	32	27226	30673	24892	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
96	10	8859	6815	6815	0
96	12	10449	8178	8359	0
96	14	12033	9542	9910	0
96	16	13614	10905	11464	0
96	18	15191	12268	13021	0
96	20	16767	13631	14580	0
96	22	18342	17106	16141	0
96	24	19915	18661	17702	0
96	26	22803	20460	20444	0
96	28	24471	24722	22103	0
96	30	26138	26488	23762	0
96	32	27805	31326	25422	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
98	10	9044	6957	6957	0
98	12	10667	8349	8533	0
98	14	12284	9740	10116	0
98	16	13897	11132	11703	0
98	18	15508	12523	13293	0
98	20	17117	13915	14884	0
98	22	18724	17462	16477	0
98	24	20330	19050	18071	0
98	26	23278	23435	20870	0
98	28	24981	25237	22563	0
98	30	26683	27040	24257	0
98	32	28384	31979	25951	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
100	10	9228	7099	7099	0
100	12	10885	8519	8708	0
100	14	12535	9939	10323	0
100	16	14181	11359	11942	0
100	18	15824	12779	13564	0
100	20	17466	14199	15188	0
100	22	19106	17819	16813	0
100	24	20745	19438	18440	0
100	26	23753	23913	21296	0
100	28	25490	25752	23024	0
100	30	27227	30592	24752	0
100	32	28964	32631	26481	0

HIGHER POWER HYDRAULIC DOORS  
UNFACTORED DOOR JAMB REACTIONS - 125 mph - ASCE 7-22 / IBC-24

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
105	10	9690	7454	7454	0
105	12	11429	8945	9143	0
105	14	13162	10436	10839	0
105	16	14890	11927	12539	0
105	18	16616	13418	14242	0
105	20	18339	17009	15947	0
105	22	20061	18710	17654	0
105	24	21782	22930	19362	0
105	26	24941	25109	22361	0
105	28	26765	27040	24175	0
105	30	28589	32121	25990	0
105	32	30412	34263	27805	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
110	10	10151	7809	7808	0
110	12	11973	9371	9578	0
110	14	13788	10933	11355	0
110	16	15599	12495	13136	0
110	18	17407	14057	14920	0
110	20	19212	17819	16706	0
110	22	21016	19600	18494	0
110	24	22819	24022	20284	0
110	26	26128	26304	23425	0
110	28	28039	31408	25326	0
110	30	29950	33651	27227	0
110	32	31860	39414	29129	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
115	10	10612	8164	8163	0
115	12	12517	9797	10014	0
115	14	14415	11430	11871	0
115	16	16308	13063	13733	0
115	18	18198	16766	15598	0
115	20	20086	18629	17466	0
115	22	21972	23021	19335	0
115	24	23856	25114	21206	0
115	26	27316	27500	24490	0
115	28	29314	32835	26477	0
115	30	31311	35181	28465	0
115	32	33308	41206	30453	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
120	10	11074	8519	8518	0
120	12	13061	10223	10449	0
120	14	15042	11927	12387	0
120	16	17017	13631	14330	0
120	18	18989	17495	16277	0
120	20	20959	19438	18225	0
120	22	22927	24022	20176	0
120	24	24894	26206	22128	0
120	26	28504	31816	25555	0
120	28	30588	34263	27628	0
120	30	32673	40310	29702	0
120	32	34756	42998	31777	0

HIGHER POWER HYDRAULIC DOORS  
UNFACTORED DOOR JAMB REACTIONS - 125 mph - ASCE 7-22 / IBC-24

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
125	10	11535	8874	8873	0
125	12	13606	10649	10885	0
125	14	15668	12424	12903	0
125	16	17726	14199	14927	0
125	18	19781	18224	16955	0
125	20	21832	22748	18985	0
125	22	23882	25023	21016	0
125	24	25931	30298	23050	0
125	26	29691	33141	26620	0
125	28	31863	39190	28779	0
125	30	34034	41990	30940	0
125	32	36204	48789	33101	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
130	10	11997	9229	9228	0
130	12	14150	11075	11320	0
130	14	16295	12921	13420	0
130	16	18435	16847	15524	0
130	18	20572	18953	17633	0
130	20	22706	23658	19744	0
130	22	24838	26024	21857	0
130	24	26968	31510	23972	0
130	26	30879	34467	27684	0
130	28	33137	40758	29931	0
130	30	35395	43669	32178	0
130	32	37653	50741	34425	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
135	10	12458	9584	9583	0
135	12	14694	11501	11755	0
135	14	16922	13418	13936	0
135	16	19144	17495	16122	0
135	18	21363	19681	18311	0
135	20	23579	24568	20503	0
135	22	25793	27025	22698	0
135	24	28005	32722	24894	0
135	26	32066	39302	28749	0
135	28	34412	42326	31082	0
135	30	36757	49399	33415	0
135	32	39101	52692	35749	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
140	10	12919	9939	9938	0
140	12	15238	11927	12191	0
140	14	17549	13915	14452	0
140	16	19853	18143	16719	0
140	18	22154	22930	18989	0
140	20	24452	25478	21263	0
140	22	26748	31106	23538	0
140	24	29042	33934	25816	0
140	26	33254	40758	29814	0
140	28	35687	43893	32233	0
140	30	38118	51229	34653	0
140	32	40549	54644	37073	0

HIGHER POWER HYDRAULIC DOORS  
UNFACTORED DOOR JAMB REACTIONS - 125 mph - ASCE 7-22 / IBC-24

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
145	10	13381	10294	10293	0
145	12	15783	12353	12626	0
145	14	18175	16442	14968	0
145	16	20562	18791	17316	0
145	18	22945	23749	19668	0
145	20	25326	26388	22022	0
145	22	27703	32217	24379	0
145	24	30080	35146	26738	0
145	26	34442	42214	30879	0
145	28	36961	49521	33384	0
145	30	39479	53058	35890	0
145	32	41997	61235	38397	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
150	10	13842	10649	10648	0
150	12	16327	12779	13061	0
150	14	18802	17009	15484	0
150	16	21271	19438	17913	0
150	18	23737	24568	20346	0
150	20	26199	30298	22782	0
150	22	28659	33328	25220	0
150	24	31117	39958	27660	0
150	26	35629	43669	31944	0
150	28	38236	51229	34535	0
150	30	40841	59388	37128	0
150	32	43445	63347	39721	0