

**Parametric Table: Table 1**

	H	N	Eff	Q	W <sub>unit,weight</sub>	R	u <sub>1</sub>	u <sub>2</sub>	V <sub>1</sub>	V <sub>2</sub>	V <sub>f1</sub>	V <sub>f2</sub>	V <sub>r1</sub>	V <sub>r2</sub>	V <sub>w1</sub>
	[m]			[m <sup>3</sup> ]			[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]
Run 1	10	0	0	2.708	-4.136E-25	-2.941E+13	0	0	27.57	14	4.788	4.788	27.57	14	27.16
Run 2	10	7	0.1082	2.587	1.082	-23.48	0.3299	0.1649	26.35	13.22	4.575	4.575	26.02	13.38	25.94
Run 3	10	14	0.2062	2.472	2.062	-10.83	0.6597	0.3299	25.18	12.47	4.372	4.372	24.53	12.78	24.79
Run 4	10	21	0.2948	2.363	2.948	-6.633	0.9896	0.4948	24.07	11.76	4.18	4.18	23.1	12.22	23.7
Run 5	10	28	0.3747	2.261	3.747	-4.547	1.319	0.6597	23.02	11.07	3.998	3.998	21.72	11.69	22.67
Run 6	10	35	0.4467	2.163	4.467	-3.305	1.649	0.8247	22.03	10.41	3.826	3.826	20.41	11.19	21.7
Run 7	10	42	0.5113	2.072	5.113	-2.486	1.979	0.9896	21.1	9.787	3.664	3.664	19.15	10.71	20.78
Run 8	10	49	0.5692	1.985	5.692	-1.907	2.309	1.155	20.22	9.189	3.511	3.511	17.95	10.27	19.91
Run 9	10	56	0.6211	1.904	6.211	-1.479	2.639	1.319	19.39	8.618	3.368	3.368	16.8	9.846	19.1
Run 10	10	63	0.6675	1.828	6.675	-1.151	2.969	1.484	18.62	8.073	3.233	3.233	15.7	9.452	18.33
Run 11	10	70	0.7089	1.757	7.089	-0.8926	3.299	1.649	17.89	7.554	3.106	3.106	14.65	9.083	17.62
Run 12	10	77	0.7458	1.69	7.458	-0.6846	3.629	1.814	17.21	7.059	2.988	2.988	13.65	8.736	16.95
Run 13	10	84	0.7787	1.627	7.787	-0.5142	3.958	1.979	16.57	6.586	2.877	2.877	12.69	8.411	16.32
Run 14	10	91	0.8079	1.568	8.079	-0.3725	4.288	2.144	15.97	6.136	2.773	2.773	11.77	8.107	15.73
Run 15	10	98	0.8338	1.513	8.338	-0.2532	4.618	2.309	15.41	5.707	2.675	2.675	10.89	7.822	15.17
Run 16	10	105	0.8567	1.461	8.567	-0.1517	4.948	2.474	14.88	5.299	2.584	2.584	10.05	7.556	14.66
Run 17	10	112	0.877	1.413	8.77	-0.06438	5.278	2.639	14.39	4.91	2.499	2.499	9.238	7.306	14.17
Run 18	10	119	0.8949	1.368	8.949	0.01129	5.608	2.804	13.93	4.54	2.419	2.419	8.463	7.072	13.72
Run 19	10	126	0.9105	1.325	9.105	0.07741	5.938	2.969	13.5	4.188	2.344	2.344	7.719	6.853	13.29
Run 20	10	133	0.9242	1.286	9.242	0.1356	6.267	3.134	13.09	3.855	2.274	2.274	7.006	6.648	12.89
Run 21	10	140	0.9361	1.248	9.361	0.1872	6.597	3.299	12.71	3.54	2.208	2.208	6.322	6.455	12.52
Run 22	10	147	0.9463	1.214	9.463	0.2332	6.927	3.464	12.36	3.244	2.146	2.146	5.666	6.275	12.17
Run 23	10	154	0.9551	1.181	9.551	0.2745	7.257	3.629	12.03	2.968	2.088	2.088	5.039	6.106	11.84
Run 24	10	161	0.9625	1.15	9.625	0.3118	7.587	3.793	11.71	2.712	2.034	2.034	4.441	5.947	11.53
Run 25	10	168	0.9686	1.121	9.686	0.3456	7.917	3.958	11.42	2.48	1.983	1.983	3.875	5.798	11.25
Run 26	10	175	0.9736	1.094	9.736	0.3764	8.247	4.123	11.14	2.273	1.935	1.935	3.344	5.657	10.97
Run 27	10	182	0.9776	1.069	9.776	0.4047	8.577	4.288	10.88	2.095	1.89	1.89	2.857	5.526	10.72
Run 28	10	189	0.9806	1.045	9.806	0.4308	8.906	4.453	10.64	1.95	1.848	1.848	2.426	5.402	10.48
Run 29	10	196	0.9827	1.022	9.827	0.4549	9.236	4.618	10.41	1.841	1.808	1.808	2.074	5.286	10.25
Run 30	10	203	0.984	1.001	9.84	0.4774	9.566	4.783	10.19	1.772	1.77	1.77	1.833	5.176	10.04
Run 31	10	210	0.9845	0.9811	9.845	0.4984	9.896	4.948	9.992	1.744	1.735	1.735	1.736	5.073	9.84
Run 32	10	217	0.9842	0.9623	9.842	0.5181	10.23	5.113	9.8	1.757	1.702	1.702	1.796	4.976	9.651
Run 33	10	224	0.9833	0.9446	9.833	0.5368	10.56	5.278	9.62	1.807	1.67	1.67	1.99	4.884	9.474
Run 34	10	231	0.9818	0.9279	9.818	0.5545	10.89	5.443	9.45	1.888	1.641	1.641	2.278	4.798	9.306
Run 35	10	238	0.9797	0.9122	9.797	0.5714	11.22	5.608	9.289	1.996	1.613	1.613	2.622	4.716	9.148
Run 36	10	245	0.977	0.8973	9.77	0.5875	11.55	5.773	9.138	2.125	1.587	1.587	3	4.64	8.999
Run 37	10	252	0.9737	0.8833	9.737	0.603	11.88	5.938	8.995	2.269	1.562	1.562	3.397	4.567	8.859

**Parametric Table: Table 1**

	H	N	Eff	Q	W <sub>unit,weight</sub>	R	u <sub>1</sub>	u <sub>2</sub>	V <sub>1</sub>	V <sub>2</sub>	V <sub>f1</sub>	V <sub>f2</sub>	V <sub>r1</sub>	V <sub>r2</sub>	V <sub>w1</sub>
	[m]			[m <sup>3</sup> ]			[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]
Run 38	10	259	0.97	0.8701	9.7	0.618	12.21	6.103	8.861	2.426	1.539	1.539	3.804	4.499	8.726
Run 39	10	266	0.9657	0.8576	9.657	0.6325	12.53	6.267	8.733	2.591	1.517	1.517	4.216	4.434	8.601
Run 40	10	273	0.9611	0.8458	9.611	0.6467	12.86	6.432	8.613	2.763	1.496	1.496	4.631	4.373	8.483
Run 41	10	280	0.9559	0.8347	9.559	0.6605	13.19	6.597	8.5	2.939	1.476	1.476	5.045	4.316	8.371
Run 42	10	287	0.9504	0.8241	9.504	0.6741	13.52	6.762	8.393	3.119	1.457	1.457	5.457	4.261	8.265
Run 43	10	294	0.9444	0.8142	9.444	0.6875	13.85	6.927	8.292	3.302	1.44	1.44	5.868	4.21	8.166
Run 44	10	301	0.938	0.8048	9.38	0.7007	14.18	7.092	8.196	3.486	1.423	1.423	6.276	4.161	8.072
Run 45	10	308	0.9313	0.796	9.313	0.7138	14.51	7.257	8.106	3.67	1.408	1.408	6.681	4.116	7.983
Run 46	10	315	0.9242	0.7876	9.242	0.7269	14.84	7.422	8.021	3.856	1.393	1.393	7.083	4.072	7.899
Run 47	10	322	0.9167	0.7797	9.167	0.74	15.17	7.587	7.94	4.041	1.379	1.379	7.482	4.031	7.82
Run 48	10	329	0.9089	0.7722	9.089	0.7531	15.5	7.752	7.864	4.227	1.366	1.366	7.878	3.993	7.745
Run 49	10	336	0.9007	0.7652	9.007	0.7663	15.83	7.917	7.793	4.412	1.353	1.353	8.271	3.956	7.674
Run 50	10	343	0.8922	0.7586	8.922	0.7796	16.16	8.082	7.725	4.596	1.341	1.341	8.66	3.922	7.608
Run 51	10	350	0.8834	0.7523	8.834	0.793	16.49	8.247	7.661	4.78	1.33	1.33	9.047	3.89	7.545
Run 52	10	357	0.8743	0.7464	8.743	0.8066	16.82	8.412	7.601	4.964	1.32	1.32	9.431	3.859	7.486
Run 53	10	364	0.8649	0.7408	8.649	0.8205	17.15	8.577	7.544	5.147	1.31	1.31	9.811	3.83	7.43
Run 54	10	371	0.8551	0.7356	8.551	0.8346	17.48	8.741	7.491	5.329	1.301	1.301	10.19	3.803	7.377
Run 55	10	378	0.8451	0.7306	8.451	0.8491	17.81	8.906	7.441	5.51	1.292	1.292	10.56	3.778	7.328
Run 56	10	385	0.8348	0.726	8.348	0.8638	18.14	9.071	7.393	5.691	1.284	1.284	10.94	3.754	7.281
Run 57	10	392	0.8242	0.7216	8.242	0.879	18.47	9.236	7.349	5.87	1.276	1.276	11.31	3.731	7.237
Run 58	10	399	0.8133	0.7176	8.133	0.8946	18.8	9.401	7.307	6.049	1.269	1.269	11.68	3.71	7.196
Run 59	10	406	0.8021	0.7137	8.021	0.9107	19.13	9.566	7.268	6.228	1.262	1.262	12.04	3.69	7.158
Run 60	10	413	0.7907	0.7101	7.907	0.9273	19.46	9.731	7.232	6.405	1.256	1.256	12.4	3.672	7.122
Run 61	10	420	0.779	0.7068	7.79	0.9444	19.79	9.896	7.197	6.582	1.25	1.25	12.77	3.654	7.088
Run 62	10	427	0.767	0.7036	7.67	0.9622	20.12	10.06	7.166	6.758	1.244	1.244	13.12	3.638	7.057
Run 63	10	434	0.7548	0.7007	7.548	0.9807	20.45	10.23	7.136	6.933	1.239	1.239	13.48	3.623	7.027
Run 64	10	441	0.7423	0.698	7.423	1	20.78	10.39	7.108	7.108	1.234	1.234	13.84	3.609	7
Run 65	10	448	0.7295	0.6955	7.295	1.02	21.11	10.56	7.082	7.281	1.23	1.23	14.19	3.596	6.975
Run 66	10	455	0.7165	0.6931	7.165	1.041	21.44	10.72	7.059	7.455	1.226	1.226	14.54	3.584	6.951
Run 67	10	462	0.7032	0.691	7.032	1.063	21.77	10.89	7.037	7.627	1.222	1.222	14.89	3.573	6.93
Run 68	10	469	0.6897	0.689	6.897	1.086	22.1	11.05	7.016	7.799	1.218	1.218	15.24	3.562	6.91
Run 69	10	476	0.6759	0.6872	6.759	1.11	22.43	11.22	6.998	7.97	1.215	1.215	15.59	3.553	6.891
Run 70	10	483	0.6619	0.6855	6.619	1.135	22.76	11.38	6.981	8.141	1.212	1.212	15.93	3.544	6.875
Run 71	10	490	0.6476	0.684	6.476	1.162	23.09	11.55	6.965	8.311	1.21	1.21	16.28	3.536	6.86
Run 72	10	497	0.6331	0.6826	6.331	1.19	23.42	11.71	6.952	8.48	1.207	1.207	16.62	3.529	6.846
Run 73	10	504	0.6183	0.6814	6.183	1.22	23.75	11.88	6.939	8.649	1.205	1.205	16.96	3.523	6.834
Run 74	10	511	0.6033	0.6803	6.033	1.252	24.08	12.04	6.928	8.817	1.203	1.203	17.3	3.517	6.823

**Parametric Table: Table 1**

	H	N	Eff	Q	W <sub>unit,weight</sub>	R	u <sub>1</sub>	u <sub>2</sub>	V <sub>1</sub>	V <sub>2</sub>	V <sub>f1</sub>	V <sub>f2</sub>	V <sub>r1</sub>	V <sub>r2</sub>	V <sub>w1</sub>
	[m]			[m <sup>3</sup> ]			[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]	[m/s]
Run 75	10	518	0.5881	0.6794	5.881	1.285	24.41	12.21	6.918	8.985	1.201	1.201	17.64	3.513	6.813
Run 76	10	525	0.5726	0.6785	5.726	1.321	24.74	12.37	6.91	9.152	1.2	1.2	17.98	3.508	6.805
Run 77	10	532	0.5569	0.6778	5.569	1.359	25.07	12.53	6.903	9.319	1.199	1.199	18.31	3.505	6.798
Run 78	10	539	0.541	0.6772	5.41	1.4	25.4	12.7	6.897	9.485	1.198	1.198	18.65	3.502	6.792
Run 79	10	546	0.5248	0.6767	5.248	1.444	25.73	12.86	6.892	9.651	1.197	1.197	18.98	3.499	6.787
Run 80	10	553	0.5083	0.6764	5.083	1.491	26.06	13.03	6.888	9.817	1.196	1.196	19.31	3.497	6.783
Run 81	10	560	0.4917	0.6761	4.917	1.542	26.39	13.19	6.885	9.982	1.196	1.196	19.65	3.496	6.781
Run 82	10	567	0.4748	0.6759	4.748	1.597	26.72	13.36	6.884	10.15	1.195	1.195	19.98	3.495	6.779
Run 83	10	574	0.4576	0.6759	4.576	1.657	27.05	13.52	6.883	10.31	1.195	1.195	20.31	3.495	6.778
Run 84	10	581	0.4403	0.6759	4.403	1.722	27.38	13.69	6.883	10.47	1.195	1.195	20.63	3.495	6.779
Run 85	10	588	0.4227	0.676	4.227	1.794	27.71	13.85	6.885	10.64	1.195	1.195	20.96	3.495	6.78
Run 86	10	595	0.4049	0.6762	4.049	1.872	28.04	14.02	6.887	10.8	1.196	1.196	21.29	3.496	6.782
Run 87	10	602	0.3868	0.6765	3.868	1.959	28.37	14.18	6.89	10.96	1.196	1.196	21.62	3.498	6.785
Run 88	10	609	0.3685	0.6769	3.685	2.056	28.7	14.35	6.893	11.12	1.197	1.197	21.94	3.5	6.789
Run 89	10	616	0.35	0.6774	3.5	2.163	29.03	14.51	6.898	11.29	1.198	1.198	22.27	3.502	6.793
Run 90	10	623	0.3313	0.6779	3.313	2.284	29.36	14.68	6.904	11.45	1.199	1.199	22.59	3.505	6.799
Run 91	10	630	0.3123	0.6785	3.123	2.422	29.69	14.84	6.91	11.61	1.2	1.2	22.91	3.508	6.805
Run 92	10	637	0.2931	0.6792	2.931	2.579	30.02	15.01	6.917	11.77	1.201	1.201	23.24	3.512	6.812
Run 93	10	644	0.2737	0.6799	2.737	2.76	30.35	15.17	6.924	11.93	1.202	1.202	23.56	3.516	6.819
Run 94	10	651	0.2541	0.6808	2.541	2.971	30.68	15.34	6.933	12.09	1.204	1.204	23.88	3.52	6.827
Run 95	10	658	0.2342	0.6816	2.342	3.22	31.01	15.5	6.942	12.25	1.205	1.205	24.2	3.524	6.836
Run 96	10	665	0.2141	0.6826	2.141	3.519	31.34	15.67	6.951	12.41	1.207	1.207	24.52	3.529	6.846
Run 97	10	672	0.1938	0.6836	1.938	3.884	31.67	15.83	6.962	12.57	1.209	1.209	24.84	3.534	6.856
Run 98	10	679	0.1732	0.6847	1.732	4.341	32	16	6.973	12.73	1.211	1.211	25.16	3.54	6.867
Run 99	10	686	0.1525	0.6858	1.525	4.927	32.33	16.16	6.984	12.89	1.213	1.213	25.48	3.546	6.878
Run 100	10	693	0.1315	0.687	1.315	5.707	32.66	16.33	6.996	13.05	1.215	1.215	25.8	3.552	6.89

**Parametric Table: Table 1**

	V <sub>w2</sub>
	[m/s]
Run 1	13.16
Run 2	12.4
Run 3	11.68
Run 4	10.99
Run 5	10.32
Run 6	9.686

**Parametric Table: Table 1**

	$V_{w2}$ [m/s]
Run 7	9.076
Run 8	8.492
Run 9	7.933
Run 10	7.398
Run 11	6.885
Run 12	6.395
Run 13	5.925
Run 14	5.474
Run 15	5.042
Run 16	4.626
Run 17	4.226
Run 18	3.842
Run 19	3.471
Run 20	3.113
Run 21	2.767
Run 22	2.433
Run 23	2.109
Run 24	1.795
Run 25	1.49
Run 26	1.193
Run 27	0.9043
Run 28	0.6231
Run 29	0.3487
Run 30	0.0808
Run 31	-0.1811
Run 32	-0.4374
Run 33	-0.6884
Run 34	-0.9344
Run 35	-1.176
Run 36	-1.413
Run 37	-1.646
Run 38	-1.875
Run 39	-2.101
Run 40	-2.323
Run 41	-2.542
Run 42	-2.758
Run 43	-2.971

**Parametric Table: Table 1**

	$V_{w2}$ [m/s]
Run 44	-3.182
Run 45	-3.39
Run 46	-3.595
Run 47	-3.799
Run 48	-4
Run 49	-4.199
Run 50	-4.396
Run 51	-4.592
Run 52	-4.785
Run 53	-4.977
Run 54	-5.168
Run 55	-5.356
Run 56	-5.544
Run 57	-5.73
Run 58	-5.915
Run 59	-6.098
Run 60	-6.281
Run 61	-6.462
Run 62	-6.642
Run 63	-6.821
Run 64	-7
Run 65	-7.177
Run 66	-7.353
Run 67	-7.529
Run 68	-7.703
Run 69	-7.877
Run 70	-8.05
Run 71	-8.222
Run 72	-8.394
Run 73	-8.565
Run 74	-8.735
Run 75	-8.904
Run 76	-9.073
Run 77	-9.242
Run 78	-9.41
Run 79	-9.577
Run 80	-9.744

**Parametric Table: Table 1**

	$V_{w2}$ [m/s]
Run 81	-9.91
Run 82	-10.08
Run 83	-10.24
Run 84	-10.41
Run 85	-10.57
Run 86	-10.73
Run 87	-10.9
Run 88	-11.06
Run 89	-11.22
Run 90	-11.39
Run 91	-11.55
Run 92	-11.71
Run 93	-11.87
Run 94	-12.03
Run 95	-12.19
Run 96	-12.35
Run 97	-12.51
Run 98	-12.67
Run 99	-12.83
Run 100	-12.99







