

Performance Data - HB-UB / DWB (1 Way Square, Rectangular)

SIZE IN mm	NECK VEL. M/S	2	2.2	2.5	2.8	3	3.3	3.5
150 X 150 F=0.018	M ³ /H	170	190	213	233	255	275	298
	THROW. M	2.4-4	3-4.3	3.4-4.6	3.4-4.9	3.7-5.2	3.7-5.2	4-5.5
	PRESS. mm	1.22	1.50	1.9	2.5	2.7	3.1	3.6
	NC	18	19	21	22	23	24	26
225 X 225 F=0.033	M ³ /H	381	428	476	524	571	619	666
	THROW. M	3.7-6.1	4.6-6.7	4.9-6.7	5.2-7	5.5-7.6	5.5-7.6	5.8-8.2
	PRESS. mm	0.9	1.2	1.5	1.7	2.1	2.4	2.8
	NC	20	21	23	24	26	27	28
300 X 300 F=0.054	M ³ /H	680	765	850	935	1020	1105	1190
	THROW. M	6.1-8.2	6.1-8.5	6.4-9.1	6.7-9.8	7-10.1	7.3-10.7	7.6-10.7
	PRESS. mm	1.4	1.8	2.2	2.6	3.1	3.6	4.2
	NC	21	22	24	26	27	28	30
380 X 380 F=0.063	M ³ /H	1061	1193	1326	1459	1591	1724	1856
	THROW. M	7.3-10.4	7.6-11	8.2-11.6	8.5-12.2	8.8-12.2	9.1-12.5	9.8-13.4
	PRESS. mm	1.4	1.6	2.1	2.5	3.0	3.6	4.0
	NC	24	26	28	30	31	33	35
150 X 225 F=0.184	M ³ /H	255	287	320	350	383	415	445
	THROW. M	3.7-5.2	3.7-5.2	4-5.8	4.3-5.8	4.3-6.1	4.6-6.4	4.6-6.7
	PRESS. mm	1.3	0.8	2.0	2.4	2.9	3.4	4.0
	NC	19	20	22	23	25	26	27
225 X 300 F=0.153	M ³ /H	510	575	638	702	765	830	893
	THROW. M	4.9-7	5.5-7.6	5.8-8.2	5.8-8.5	6.1-8.8	6.4-9.1	6.7-9.4
	PRESS. mm	1.2	1.6	1.9	2.3	2.9	3.3	3.8
	NC	21	23	24	26	27	29	30
225 X 380 F=0.198	M ³ /H	638	717	797	877	957	1037	1115
	THROW. M	5.5-7.9	6.1-8.2	6.4-8.8	4.6-6.4	7-9.8	7-10.1	7.3-10.4
	PRESS. mm	1.2	1.5	1.8	2.2	2.6	3.2	3.7
	NC	22	24	26	27	29	30	32
300 X 380 F=0.385	M ³ /H	850	955	1063	1170	1275	1382	1488
	THROW. M	6.4-9.1	7-9.8	7.3-10.4	7.6-10.7	7.9-11.3	8.2-11.9	8.5-12.2
	PRESS. mm	1.2	1.6	1.9	2.4	2.9	3.4	3.9
	NC	22	24	26	28	29	31	33
300 X 450 F=0.716	M ³ /H	1020	1148	1275	1403	1530	1658	1785
	THROW. M	7.3-10.1	7.6-10.7	7.9-10.7	8.2-11.9	8.8-12.2	9.1-12.8	9.8-13.1
	PRESS. mm	1.3	1.7	2.0	2.5	3.0	3.6	4.1
	NC	23	25	27	29	31	32	34
150 X 300 F=0.025	M ³ /H	340	383	425	468	510	553	595
	THROW. M	4.3-5.8	4.3-6.1	4.6-6.4	4.9-7	5.2-7	5.2-7.3	5.5-7.6
	PRESS. mm	1.2	1.6	2.0	2.4	2.9	3.2	4.0
	NC	19	21	23	24	26	27	29
150 X 380 F=0.030	M ³ /H	425	478	530	585	638	690	745
	THROW. M	4.6-6.4	4.9-7	5.2-7.3	5.5-7.6	5.8-7.9	5.8-8.2	6.1-8.5
	PRESS. mm	1.2	1.5	1.8	2.3	2.7	3.2	3.7
	NC	20	22	24	25	26	28	29
150 X 450 F=0.043	M ³ /H	510	573	638	702	765	828	893
	THROW. M	4.9-7	5.5-7.6	5.8-8.2	5.8-8.5	6.1-8.5	6.4-9.1	6.7-9.4
	PRESS. mm	1.2	1.6	1.9	2.3	2.9	3.3	3.8
	NC	21	23	24	26	27	29	30
150 X 550 F=0.051	M ³ /H	595	670	743	818	893	969	1056
	THROW. M	5.5-7.6	5.8-8.2	6.1-8.8	6.4-9.1	6.7-9.4	7-9.8	7.3-10.1
	PRESS. mm	1.2	1.6	2.0	2.3	2.8	3.3	3.8
	NC	20	22	24	25	27	28	30
150 X 600 F=0.061	M ³ /H	680	765	850	935	1020	1105	1190
	THROW. M	6.1-8.2	6.1-8.5	6.4-9.1	6.7-9.8	7-10.1	7.3-10.7	7.6-10.7
	PRESS. mm	1.2	1.5	1.9	2.3	2.8	3.2	3.8
	NC	20	22	24	28	27	29	30
225 X 450 F=0.069	M ³ /H	765	860	957	1052	1148	1243	1340
	THROW. M	5.8-8.8	6.4-9.1	7-9.8	7.3-10.4	7.6-10.7	7.9-11	8.2-11.6
	PRESS. mm	1.2	1.6	1.9	2.3	2.8	3.3	3.8
	NC	22	23	25	26	28	30	34
225 X 550 F=0.067	M ³ /H	891	1003	1114	1224	1336	1448	1559
	THROW. M	7-9.4	7-9.8	7.3-10.7	7.6-11	8.2-11.3	8.5-12.2	9.1-12.2
	PRESS. mm	1.3	1.7	2.0	2.5	3.0	3.5	4.0
	NC	22	25	29	28	30	31	33
225 X 600 F=0.084	M ³ /H	1020	1148	1275	1403	1530	1658	1785
	THROW. M	7.3-10.1	7.6-10.7	7.9-11.3	8.2-11.9	8.8-12.2	9.1-12.8	9.8-13.1
	PRESS. mm	1.3	1.7	2.0	2.5	3.0	3.6	4.1
	NC	23	25	27	29	31	32	34
300 X 600 F=0.102	M ³ /H	1360	1530	1700	1870	2040	2210	2380
	THROW. M	8.5-11.6	8.8-12.2	9.1-13.1	9.8-13.7	10.1-14	10.4-14.9	11.9-12.2
	PRESS. mm	1.3	1.6	2.3	2.5	3.0	3.6	4.2
	NC	24	27	29	31	33	35	38

Notes On Performance Data

1. throw is based on a 0° temperature differential. Minimum throw is to terminal velocity vt of 0.5 m/s and maximum to 0.25 m/s.
2. All pressures are mm of water. To obtain static pressure, subtract velocity pressure at head of column from total pressure.
3. The NC values are based on a room absorption of 18 DbA. Re 1013 walts, F = Surface Outake, M².

Performance Data - HB-UB / DWB (2 Way Square, Rectangular)

SIZE IN mm	NECK VEL. M/S	2	2.2	2.5	2.8	3	3.3	3.5
150 X 150 F=0.012	M ³ /H	170	190	213	233	255	275	298
	THROW. M	3-3.9	3-4.3	3.4-4.6	3.4-4.9	3.7-5.2	3.7-5.2	4-5.5
	PRESS. mm	1.22	1.50	1.9	2.5	2.7	3.1	3.6
	NC	18	19	21	22	23	24	26
225 X 225 F=0.026	M ³ /H	381	428	476	524	571	619	666
	THROW. M	4.3-6.1	4.6-6.7	4.9-7	4.9-7.3	5.2-7.6	5.5-7.9	5.8-8.2
	PRESS. mm	0.9	1.2	1.5	1.7	2.0	2.4	2.8
	NC	20	21	23	24	26	27	28
300 X 300 F=0.046	M ³ /H	680	765	850	935	1020	1105	1190
	THROW. M	5.8-8.2	6.1-8.8	6.4-9.1	6.7-9.8	7-10.1	7.3-10.7	7.6-10.7
	PRESS. mm	1.4	1.8	2.2	2.6	3.1	3.6	4.2
	NC	21	22	24	26	27	28	30
380 X 380 F=0.069	M ³ /H	1061	1193	1326	1459	1591	1724	1856
	THROW. M	7-10.4	7.6-11	7.9-11.3	8.5-12.2	8.8-12.5	9.1-13.1	9.4-13.7
	PRESS. mm	1.4	1.6	2.1	2.5	3.0	3.6	4.0
	NC	24	26	28	30	31	33	35
450 X 450 F=0.099	M ³ /H	1530	1720	1913	2108	2295	2485	2678
	THROW. M	7.3-10.4	7.6-11	8.2-11.6	8.5-12.2	8.8-12.8	9.4-13.1	9.8-13.4
	PRESS. mm	1.7	2.0	2.4	2.9	3.5	4.1	4.7
	NC	27	30	32	34	36	37	40
550 X 550 F=0.134	M ³ /H	2081	2341	2601	2861	3121	3383	3641
	THROW. M	10.1-14.3	10.7-15.2	11.3-16.2	11.9-17.1	12.5-17.7	12.8-18.6	13.4-19.2
	PRESS. mm	1.6	2.0	2.4	2.9	3.5	4.0	4.7
	NC	27	29	30	33	34	36	39
600 X 600 F=0.174	M ³ /H	2720	3060	3400	3740	4080	4420	4760
	THROW. M	11.6-16.5	12.5-17.7	13.1-18.6	13.7-19.5	14.3-20.1	14.6-21	15.2-21.9
	PRESS. mm	1.6	2.0	2.5	3.0	3.6	4.1	4.9
	NC	27	29	31	33	35	37	40
150 X 225 F=0.184	M ³ /H	255	287	320	350	383	415	445
	THROW. M	3.7-4.9	3.7-5.2	4-5.5	4.3-5.8	4.3-6.1	4.6-6.4	4.6-6.7
	PRESS. mm	1.5	1.9	2.3	2.6	3.2	3.7	4.2
	NC	19	20	22	23	25	26	27
150 X 300 F=0.023	M ³ /H	340	383	425	468	510	553	595
	THROW. M	4-5.8	4.3-6.1	4.9-6.7	4.9-7	5.2-7.3	5.5-7.6	5.5-7.9
	PRESS. mm	1.3	1.6	2.1	2.6	3.1	3.5	4.1
	NC	20	21	23	24	26	27	29
225 X 300 F=0.025	M ³ /H	510	575	638	702	765	830	893
	THROW. M	5.5-7.3	6.1-7.6	6.4-7.9	6.4-8.2	6.7-8.8	7.3-8.8	7.6-9.4
	PRESS. mm	1.2	1.8	2.2	2.6	3.1	3.6	4.0
	NC	23	25	27	29	30	32	34
225 X 380 F=0.044	M ³ /H	638	717	797	877	957	1037	1115
	THROW. M	5.5-7.9	6.1-8.5	6.4-8.8	5.5-7.6	6.7-9.8	7.3-10.4	7.6-10.7
	PRESS. mm	1.2	1.8	2.3	2.3	2.9	3.8	4.3
	NC	21	23	25	25	28	30	31
225 X 450 F=0.050	M ³ /H	765	860	957	1052	1148	1243	1340
	THROW. M	6.1-8.8	6.4-9.1	7-9.8	7.3-10.1	7.9-10.7	7.6-11.3	7.9-10.7
	PRESS. mm	1.5	1.9	2.3	2.7	3.3	3.7	4.3
	NC	21	23	25	26	28	30	31
225 X 550 F=0.059	M ³ /H	891	1003	1114	1224	1336	1448	1559
	THROW. M	6.7-9.4	7-10.1	7.3-10.7	7.6-11	7.9-11.6	8.5-12.2	8.8-12.5
	PRESS. mm	1.3	1.6	1.9	2.3	2.7	3.1	3.6
	NC	23	25	26	28	30	32	34
300 X 380 F=0.061	M ³ /H	850	955	1063	1170	1275	1382	1488
	THROW. M	6.4-9.1	6.7-9.8	7.3-10.4	7.6-10.7	7.9-11.3	8.2-11.9	8.5-12.2
	PRESS. mm	1.5	1.9	2.3	2.8	3.3	3.8	4.4
	NC	23	24	26	28	29	30	31
300 X 450 F=0.067	M ³ /H	1020	1148	1275	1403	1530	1658	1785
	THROW. M	7-10.1	7.3-10.7	7.6-11.3	8.2-11.6	8.8-12.5	9.1-12.8	9.4-13.4
	PRESS. mm	1.6	1.9	2.3	2.8	3.3	3.8	4.5
	NC	24	26	28	30	31	33	34
225 X 550 F=0.077	M ³ /H	1190	1340	1488	1637	1785	1935	2083
	THROW. M	7-11	7.6-11.6	7.9-12.2	8.2-12.8	8.8-13.4	9.1-14	9.4-14.6
	PRESS. mm	1.6	1.9	2.3	2.9	3.4	4.0	4.6
	NC	25	27	29	31	33	35	37
300 X 600 F=0.088	M ³ /H	1020	1530	1700	1870	2040	2210	2380
	THROW. M	8.2-11.6	8.5-12.5	9.1-13.1	9.8-13.7	10.1-14.3	10.7-14.9	10.7-14.9
	PRESS. mm	1.5	2.0	2.4	2.9	3.4	4.0	4.0
	NC	27	29	31	33	35	37	37

Notes On Performance Data

1. throw is based on a 0° temperature differential. Minimum throw is to terminal velocity vt of 0.5 m/s and maximum to 0.25 m/s.
2. All pressures are mm of water. To obtain static pressure, subtract velocity pressure at head of column from total pressure.
3. The NC values are based on a room absorption of 18 DbA. Re 1013 walt, F = Surface Outake, M².

Performance Data - HB-UB / DWB (3 Way Square, Rectangular)

SIZE IN mm	NECK VEL. M/S	2	2.2	2.5	2.8	3	3.3	3.5
150 X 150 F=0.016	M ³ /H	170	190	213	233	255	275	298
	THROW. M	2.7-4	1.8-2.7	2.1-3	2.1-3	2.1-3.4	2.4-3.4	2.4-3.4
	PRESS. mm	0.99	1.22	1.5	1.8	2.1	2.4	2.9
	NC	15	16	17	19	20	21	22
225 X 225 F=0.311	M ³ /H	381	428	476	524	571	619	666
	THROW. M	2.7-4	3-4.3	3-4.3	3.4-4.6	3.4-4.9	3.4-4.9	3.7-5.2
	PRESS. mm	1.1	1.4	1.7	2.0	2.3	2.7	3.2
	NC	18	19	21	22	24	25	27
300 X 300 F=0.053	M ³ /H	680	765	850	955	1020	1105	1190
	THROW. M	3.7-5.2	4-5.5	4.3-5.8	4.3-6.1	4.6-6.4	4.6-6.7	4.9-7
	PRESS. mm	1.1	1.4	1.7	2.1	2.4	2.8	3.3
	NC	18	20	22	23	25	26	28
380 X 380 F=0.081	M ³ /H	1061	1193	1326	1459	1591	1724	1856
	THROW. M	4.6-6.7	4.9-7.6	5.2-7.3	5.5-7.6	5.8-7.9	5.8-8.2	6.1-8.5
	PRESS. mm	1.1	1.5	1.8	2.1	2.5	2.9	3.5
	NC	20	21	23	25	27	28	30
450 X 450 F=0.116	M ³ /H	1530	1720	1913	2108	2295	2485	2678
	THROW. M	5.5-7.6	6.1-8.2	6.1-8.8	6.7-9.1	6.7-9.8	7-10.1	7.3-10.4
	PRESS. mm	1.4	1.8	2.2	2.7	3.2	3.7	4.3
	NC	21	23	25	27	29	30	32
600 X 600 F=0.204	M ³ /H	2720	3060	3400	3740	4080	4420	4760
	THROW. M	7.3-10.4	7.9-11.3	8.2-11.6	8.5-12.2	9.1-12.8	9.4-13.4	9.8-13.7
	PRESS. mm	1.5	2.0	2.4	2.9	3.4	3.9	4.5
	NC	23	27	28	30	32	34	36
150 X 225 F=0.022	M ³ /H	255	287	320	350	383	381	445
	THROW. M	2.1-3.4	2.4-3.4	2.4-3.7	2.7-3.7	2.7-4	3-4	3-4.3
	PRESS. mm	1.0	1.3	1.6	2.0	2.3	2.7	3.1
	NC	17	18	20	21	22	24	25
150 X 300 F=0.028	M ³ /H	340	383	425	468	510	553	595
	THROW. M	2.7-3.7	2.7-4	3-4.3	3-4.3	3.4-4.6	3.4-4.9	3.4-4.9
	PRESS. mm	0.9	1.2	1.5	2.4	2.4	2.4	2.9
	NC	18	20	21	22	24	25	27
150 X 380 F=0.034	M ³ /H	425	478	530	585	638	690	745
	THROW. M	3-4.3	3-4.3	3.4-4.3	3.4-4.9	3.7-5.2	3.7-5.2	4-5.5
	PRESS. mm	1.1	1.4	1.7	2.0	2.4	2.8	3.2
	NC	18	19	21	22	24	25	27
225 X 300 F=0.040	M ³ /H	510	575	638	702	765	830	893
	THROW. M	3.4-4.6	3.4-4.9	3.4-4.9	3.7-5.5	4-5.8	4-6.1	4.3-6.4
	PRESS. mm	1.2	1.5	1.4	2.3	2.7	2.8	3.4
	NC	18	20	19	24	25	26	28
225 X 380 F=0.050	M ³ /H	637.5	717	797	877	957	1037	1115
	THROW. M	3.7-5.2	4-5.5	4-5.5	4.3-6.1	4.3-6.1	4.6-6.4	4.9-6.7
	PRESS. mm	1.1	1.5	1.4	2.2	2.6	3.0	3.4
	NC	17	19	21	23	24	25	26
225 X 450 F=0.059	M ³ /H	765	860	957	1052	1148	1243	1340
	THROW. M	4-5.5	4.3-6.1	4.3-6.1	4.6-6.4	4.9-6.7	4.9-7	5.2-7.3
	PRESS. mm	1.4	1.5	1.8	2.1	2.5	2.8	3.2
	NC	18	20	21	23	24	26	28
225 X 550 F=0.069	M ³ /H	891	1003	1114	818	893	1448	1559
	THROW. M	4.3-6.1	4.6-6.4	4.9-6.7	6.4-9.1	6.7-9.4	5.5-7.6	5.5-7.9
	PRESS. mm	1.1	1.5	1.7	2.3	2.8	3.3	3.3
	NC	19	20	22	25	27	28	29
150 X 600 F=0.078	M ³ /H	1020	1148	1275	935	1020	1105	1190
	THROW. M	4.6-6.4	4.9-7	5.2-7.3	6.7-9.8	7-10.1	7.3-10.7	7.6-10.7
	PRESS. mm	1.2	1.4	1.8	2.3	2.8	2.8	3.8
	NC	20	21	23	28	27	27	30
300 X 380 F=0.069	M ³ /H	850	955	1063	1170	1336	1448	1559
	THROW. M	4.3-5.8	4.3-6.1	4.6-6.7	4.9-7	5.2-7.3	5.5-7.6	5.5-7.9
	PRESS. mm	1.4	1.5	1.7	2.1	2.5	2.8	3.3
	NC	19	20	22	24	26	27	29
300 X 450 F=0.078	M ³ /H	1020	1148	1275	1403	1530	1658	1785
	THROW. M	4.6-6.4	4.9-7	5.2-7.3	4-7.6	5.5-7.9	5.8-8.2	6.1-8.5
	PRESS. mm	1.2	1.4	1.8	2.2	2.6	2.9	3.5
	NC	20	21	23	25	27	28	30
300 X 550 F=0.091	M ³ /H	1190	1340	1488	1403	1530	1658	1785
	THROW. M	4.9-7	5.2-7.3	5.5-7.9	8.2-11.9	8.8-12.2	9.1-12.8	6.1-8.5
	PRESS. mm	1.2	1.5	1.9	2.5	3.0	3.6	3.5
	NC	20	21	23	29	31	32	30
300 X 600 F=0.103	M ³ /H	1360	1530	1700	1870	2040	2210	2380
	THROW. M	4.6-6.1	4.9-6.7	5.2-7	9.8-13.7	10.1-14	10.4-14.9	11.9-12.2
	PRESS. mm	1.3	1.7	2.1	2.5	3.0	3.6	4.2
	NC	20	22	24	31	33	35	38

Notes On Performance Data

1. throw is based on a 0° temperature differential. Minimum throw is to terminal velocity vt of 0.5 m/s and maximum to 0.25 m/s.
2. All pressures are mm of water. To obtain static pressure, subtract velocity pressure at head of column from total pressure.
3. The NC values are based on a room absorption of 18 DbA. Re 1013 walt, F = Surface Outake, M².

Performance Data - HB-UB / DWB (4 Way Square, Rectangular)

SIZE IN mm	NECK VEL. M/S	2	2.2	2.5	2.8	3	3.3	3.5
150 X 150 F=0.019	M ³ /H	170	190.4	212.5	232.9	255	275.4	297.5
	THROW. M	1.5-2.4	1.5-2.7	1.8-2.7	2.1-3	2.1-3	2.4-3.4	2.4-3.4
	PRESS. mm	0.79	0.97	1.3	1.4	1.7	2.0	2.3
	NC	15	16	17	19	20	21	22
225 X 225 F=0.034	M ³ /H	380.8	428.4	476	523.6	571.2	618.8	666.4
	THROW. M	2.4-3.7	2.7-4	4-4.3	4-4.3	3.4-4.6	3.4-4.9	3.7-4.9
	PRESS. mm	0.9	1.3	1.5	1.8	2.1	2.2	2.8
	NC	18	19	21	22	24	25	26
300 X 300 F=0.055	M ³ /H	680	765	850	935	1020	1105	1190
	THROW. M	3.4-4.9	3.7-5.5	4-5.8	4.3-6.1	4.3-6.4	4.6-6.7	4.9-7
	PRESS. mm	1.0	1.2	1.6	1.9	2.3	2.3	3.1
	NC	18	20	22	23	25	26	28
380 X 380 F=0.083	M ³ /H	1060.8	1193.4	1326	1458.6	1591.2	1723.8	1856.4
	THROW. M	4.3-6.4	4.9-6.7	5.2-7	5.2-7.3	5.5-7.6	5.8-7.9	5.8-8.5
	PRESS. mm	1.1	1.5	1.9	2.1	2.5	2.8	3.3
	NC	19	21	23	25	27	28	30
450 X 450 F=0.115	M ³ /H	1530	1720	1913	2108	2295	2485	2678
	THROW. M	5.5-7.6	6.1-7.9	6.1-8.5	6.4-8.8	6.4-9.1	6.7-9.8	7-10.1
	PRESS. mm	1.2	1.5	1.9	2.2	2.6	3.0	3.5
	NC	20	21	24	26	28	30	31
550 X 550 F=0.154	M ³ /H	2081	2341	2601	2861	3111	3383	3641
	THROW. M	6.4-9.1	6.7-9.8	7.3-10.1	7.6-10.7	7.9-11.3	8.2-11.6	8.5-11.9
	PRESS. mm	1.2	1.6	1.9	2.2	2.7	3.0	3.5
	NC	20	22	24	26	27	29	31
600 X 600 F=0.199	M ³ /H	2720	3060	3400	3740	4080	4420	4760
	THROW. M	7-10.1	7.6-10.7	7.9-11.3	8.5-11.9	9.1-12.5	9.1-12.8	9.4-13.4
	PRESS. mm	1.2	1.6	1.9	2.3	2.7	3.2	3.6
	NC	21	23	25	27	29	32	34
150 X 225 F=0.026	M ³ /H	255	287	320	350	383	415	445
	THROW. M	1.8-3	2.1-3.4	2.4-3.4	2.4-3.7	2.7-3.7	2.7-4	3-4.3
	PRESS. mm	0.8	0.9	1.2	1.4	1.6	1.9	2.2
	NC	14	15	17	18	19	21	22
150 X 300 F=0.030	M ³ /H	340	383	425	468	510	553	595
	THROW. M	2.1-3.7	2.4-3.7	2.7-4	3-4.3	3-4.3	3.4-4.6	3.4-4.6
	PRESS. mm	0.8	1.1	1.4	1.6	2.0	2.2	2.6
	NC	14	19	21	22	24	25	27
225 X 300 F=0.044	M ³ /H	510	575	638	702	765	830	893
	THROW. M	2.7-4.3	3.4-4.6	3.4-4.9	3.7-5.2	4-5.5	4-5.5	4.3-5.8
	PRESS. mm	0.9	1.2	1.4	1.7	2.0	2.4	2.7
	NC	15	17	18	21	22	24	25
225 X 380 F=0.052	M ³ /H	638	717	797	867	957	1037	1115
	THROW. M	3.4-4.9	3.7-5.2	4-5.5	4.3-5.8	4.3-6.1	4.3-6.1	4.6-6.4
	PRESS. mm	1.0	1.2	1.4	1.8	2.2	2.5	2.9
	NC	18	20	21	23	25	26	27
225 X 450 F= 0.062	M ³ /H	765	860	957	1052	1148	1246	1341
	THROW. M	3.4-5.5	4.2-5.5	4.3-6.1	4.6-6.6	4.9-6.6	4.9-7.5	5.2-7.5
	PRESS. mm	1.1	1.4	1.8	2.2	2.6	2.9	3.3
	NC	17	19	21	15	15	15	15
225 X 550 F=0.07	M ³ /H	891	1003	1114	1224	1336	1448	1559
	THROW. M	4-5.8	4.3-6.1	4.6-6.4	4.9-6.7	4.9-7	5.2-7.3	5.5-7.6
	PRESS. mm	1.1	1.4	1.8	2.1	2.5	2.8	3.3
	NC	18	20	22	23	25	27	29
300 X 380 F=0.067	M ³ /H	850	955	1063	1170	1275	1382	1488
	THROW. M	3.7-5.8	4.3-6.1	4.6-6.4	4.9-6.1	4.9-7	5.2-7.3	5.2-7.6
	PRESS. mm	1.1	1.5	1.8	2.1	2.5	2.8	3.3
	NC	17	19	21	23	25	27	29
300 X 450 F=0.084	M ³ /H	1020	1148	1275	1403	1530	1658	1785
	THROW. M	4.3-6.1	4.6-6.7	4.9-7	5.2-7.3	5.5-7.6	5.5-7.9	5.8-8.2
	PRESS. mm	1.1	1.4	1.8	2.1	2.4	2.8	3.3
	NC	19	20	22	24	26	27	29
300 X 600 F=0.103	M ³ /H	1360	1530	1700	1870	2040	2210	2380
	THROW. M	4.9-7.3	5.5-7.6	5.8-7.9	6.1-8.2	6.1-8.5	6.4-9.1	6.7-9.4
	PRESS. mm	1.2	1.5	1.8	2.2	2.6	2.9	3.4
	NC	19	20	22	24	26	28	30
380 X 450 F=0.098	M ³ /H	1275	1435	1595	1753	1913	2074	2232
	THROW. M	4.9-7	5.2-7.3	5.5-7.9	5.8-8.2	6.1-8.5	6.4-8.8	6.4-9.1
	PRESS. mm	1.2	1.6	1.9	2.2	2.6	3.0	3.4
	NC	18	20	22	24	26	28	29
450 X 600 F=0.151	M ³ /H	2040	2295	2550	2805	3060	3315	3570
	THROW. M	5.8-8.5	6.1-9.1	7-9.8	7.3-10.4	7.6-11	7.9-11.3	8.2-11.6
	PRESS. mm	1.3	1.6	1.9	2.3	2.7	3.1	3.5
	NC	20	22	24	26	28	30	33

Notes On Performance Data

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