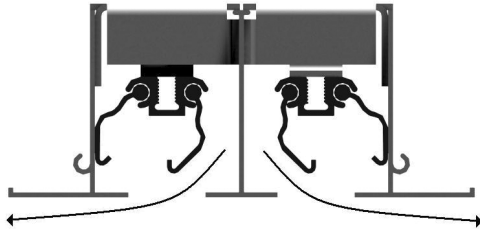


CLN 600 - FULLY OPEN					
NECK TOTAL PRESSURE (Pa)	30	40	50	60	70
1 SLOT (19mm)					
FLOW (l/s) PATTERN A	23,5	27,5	30	33,5	36,5
FLOW (l/s) PATTERN B	31	36	39,5	43,5	47
FLOW (l/s) PATTERN C	23,5	27,5	30	33,5	36,5
THROW (m) PATTERN A	3,6	3,8	4,1	4,3	4,5
THROW (m) PATTERN B	2,6	2,7	2,6	3	3,1
THROW (m) PATTERN C	5,1	5,5	5,8	6,1	6,3
NOISE - NC LEVEL	29	32	34	37	39
2 SLOT (19mm each)					
FLOW (l/s) PATTERN A	47	55	61	67	73
FLOW (l/s) PATTERN B	62	72	79	87	94
FLOW (l/s) PATTERN C	47	55	60	67	73
THROW (m) PATTERN A	4,5	4,8	5,1	5,4	5,6
THROW (m) PATTERN B	3,2	3,4	3,6	3,8	3,9
THROW (m) PATTERN C	6,4	6,9	7,3	7,6	7,9
NOISE - NC LEVEL	30	33	35	37	39
3 SLOT (19mm each)					
FLOW (l/s) PATTERN B	93	108	115	130	141
FLOW (l/s) PATTERN C	70	82	90	100	109
THROW (m) PATTERN B	3,8	4,1	4	4,6	4,7
THROW (m) PATTERN C	7,7	8,3	8,8	9,1	9,5
NOISE - NC LEVEL	30	33	35	37	39
4 SLOT (19mm each)					
FLOW (l/s) PATTERN A	94	110	120	134	146
FLOW (l/s) PATTERN B	124	144	158	174	188
FLOW (l/s) PATTERN C	94	110	120	134	146
THROW (m) PATTERN A	6,3	6,7	7,1	7,6	7,8
THROW (m) PATTERN B	4,5	4,8	4,6	5,3	5,5
THROW (m) PATTERN C	9	9,7	10,2	10,6	11,1
NOISE - NC LEVEL	31	34	36	39	41

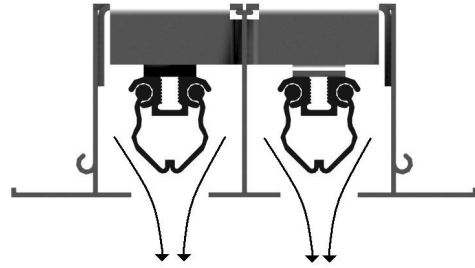
CLN 1200 - FULLY OPEN					
NECK TOTAL PRESSURE (Pa)	30	40	50	60	70
1 SLOT (19mm)					
FLOW (l/s) PATTERN A	55	63,5	71	78	84
FLOW (l/s) PATTERN B	68	78,5	88	96,5	104
FLOW (l/s) PATTERN C	55	63,5	71	78	84
THROW (m) PATTERN A	5,1	5,5	5,8	6,1	6,3
THROW (m) PATTERN B	3,6	3,8	4,1	4,3	4,5
THROW (m) PATTERN C	7,2	7,8	8,2	8,6	9
NOISE - NC LEVEL	32	36	37	39	41
2 SLOT (19mm each)					
FLOW (l/s) PATTERN A	110	127	142	156	168
FLOW (l/s) PATTERN B	136	157	176	193	208
FLOW (l/s) PATTERN C	110	127	142	156	168
THROW (m) PATTERN A	6,4	6,9	7,3	7,6	7,9
THROW (m) PATTERN B	4,5	4,8	5,1	5,4	5,6
THROW (m) PATTERN C	9	9,7	10,3	10,7	11,2
NOISE - NC LEVEL	33	36	38	40	42
3 SLOT (19mm each)					
FLOW (l/s) PATTERN B	204	235	264	289	312
FLOW (l/s) PATTERN C	165	190	213	234	252
THROW (m) PATTERN B	5,4	5,8	6,1	6,5	6,7
THROW (m) PATTERN C	10,8	11,6	12,4	12,8	13,4
NOISE - NC LEVEL	34	38	40	42	43
4 SLOT (19mm each)					
FLOW (l/s) PATTERN A	220	254	284	312	336
FLOW (l/s) PATTERN B	272	314	352	386	416
FLOW (l/s) PATTERN C	220	254	284	312	336
THROW (m) PATTERN A	9	9,7	10,2	10,6	11,1
THROW (m) PATTERN B	6,3	6,7	7,1	7,6	7,8
THROW (m) PATTERN C	12,6	13,6	14,4	15	15,7
NOISE - NC LEVEL	35	38	41	43	44

CLN 900 - FULLY OPEN					
NECK TOTAL PRESSURE (Pa)	30	40	50	60	70
1 SLOT (19mm)					
FLOW (l/s) PATTERN A	40,5	47	52,5	57	62,5
FLOW (l/s) PATTERN B	44,0	56,5	63	69,5	74,5
FLOW (l/s) PATTERN C	40,5	47	52,5	57	62,5
THROW (m) PATTERN A	4,4	4,7	5	5,3	5,5
THROW (m) PATTERN B	3,1	3,4	3,5	3,7	3,8
THROW (m) PATTERN C	6,2	6,7	7,1	7,4	7,8
NOISE - NC LEVEL	32	35	36	39	40
2 SLOT (19mm each)					
FLOW (l/s) PATTERN A	81	94	105	114	125
FLOW (l/s) PATTERN B	98	113	126	139	149
FLOW (l/s) PATTERN C	81	94	105	114	125
THROW (m) PATTERN A	5,5	5,9	6,3	6,6	6,8
THROW (m) PATTERN B	3,9	4,2	4,4	4,6	4,8
THROW (m) PATTERN C	7,8	8,4	8,9	9,3	9,7
NOISE - NC LEVEL	32	35	37	39	41
3 SLOT (19mm each)					
FLOW (l/s) PATTERN B	132	169	189	208	223
FLOW (l/s) PATTERN C	121	141	157	171	187
THROW (m) PATTERN B	4,7	5	5,3	5,5	5,8
THROW (m) PATTERN C	9,4	10,1	10,7	11,2	11,6
NOISE - NC LEVEL	32	36	39	41	43
4 SLOT (19mm each)					
FLOW (l/s) PATTERN A	162	188	210	228	250
FLOW (l/s) PATTERN B	176	226	252	278	298
FLOW (l/s) PATTERN C	162	188	210	228	250
THROW (m) PATTERN A	7,7	8,3	8,8	9,2	9,7
THROW (m) PATTERN B	5,5	5,9	6,2	6,4	6,7
THROW (m) PATTERN C	10,9	11,8	12,5	13	13,6
NOISE - NC LEVEL	33	36	39	42	44

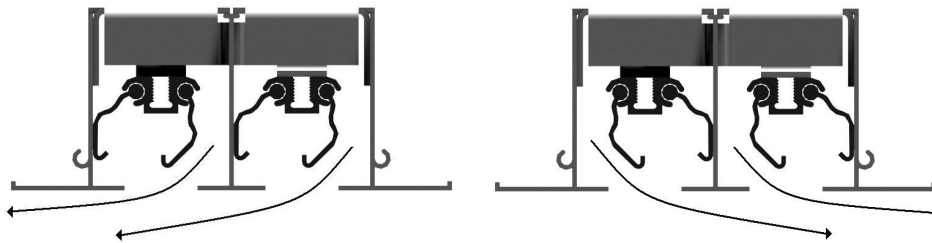
CLN 1500 - FULLY OPEN					
NECK TOTAL PRESSURE (Pa)	30	40	50	60	70
1 SLOT (19mm)					
FLOW (l/s) PATTERN A	67,5	78	87	95,5	102,5
FLOW (l/s) PATTERN B	89	102	114	125	135,5
FLOW (l/s) PATTERN C	67,5	78	87	95,5	102,5
THROW (m) PATTERN A	5,7	6,2	6,5	6,8	7
THROW (m) PATTERN B	4	4,3	4,6	4,8	5
THROW (m) PATTERN C	8	8,6	9,2	9,6	10
NOISE - NC LEVEL	33	37	39	40	42
2 SLOT (19mm each)					
FLOW (l/s) PATTERN A	135	156	174	191	205
FLOW (l/s) PATTERN B	178	204	228	250	271
FLOW (l/s) PATTERN C	135	156	174	191	205
THROW (m) PATTERN A	7,1	7,7	8,1	8,5	8,8
THROW (m) PATTERN B	5	5,4	5,7	6	6,2
THROW (m) PATTERN C	10	10,8	11,5	12	12,5
NOISE - NC LEVEL	34	37	39	41	43
3 SLOT (19mm each)					
FLOW (l/s) PATTERN B	267	306	342	375	406
FLOW (l/s) PATTERN C	202	234	261	286	307
THROW (m) PATTERN B	6	6,5	6,8	7,2	7,4
THROW (m) PATTERN C	12	13	13,8	14,4	15
NOISE - NC LEVEL	35	39	41	43	44
4 SLOT (19mm each)					
FLOW (l/s) PATTERN A	270	312	348	382	410
FLOW (l/s) PATTERN B	356	408	456	500	542
FLOW (l/s) PATTERN C	270	312	348	382	410
THROW (m) PATTERN A	9,9	10,8	11,3	11,9	12,3
THROW (m) PATTERN B	7	7,6	8	8,4	8,7
THROW (m) PATTERN C	14	15,1	16,1	16,8	17,5
NOISE - NC LEVEL	35	39	42	44	45



THROW PATTERN A
(EVEN NO. SLOTS ONLY)



THROW PATTERN B



THROW PATTERN C

Throw is measured 25mm below the ceiling following a line through the centre of the diffuser at the point at which the air velocity reaches 0.25m/s.

Noise Criteria levels apply to a single diffuser mounted in a room having a Sound Absorption of 10dB in octave bands having centre frequencies from 125Hz to 8000Hz (i.e. the difference between Sound Pressure Level (dB re: 2×10^{-5} Pa) and Sound Power Level (dBW re: 10^{-12} watts) is equal to 10dB). These levels represent only the noise generated by the diffuser and do not take into account any duct-borne noise.

Performance Data applies to Standard Air having a density of 1.2 kg/m³.