

Directional, Single Tone Industrial Air Horn

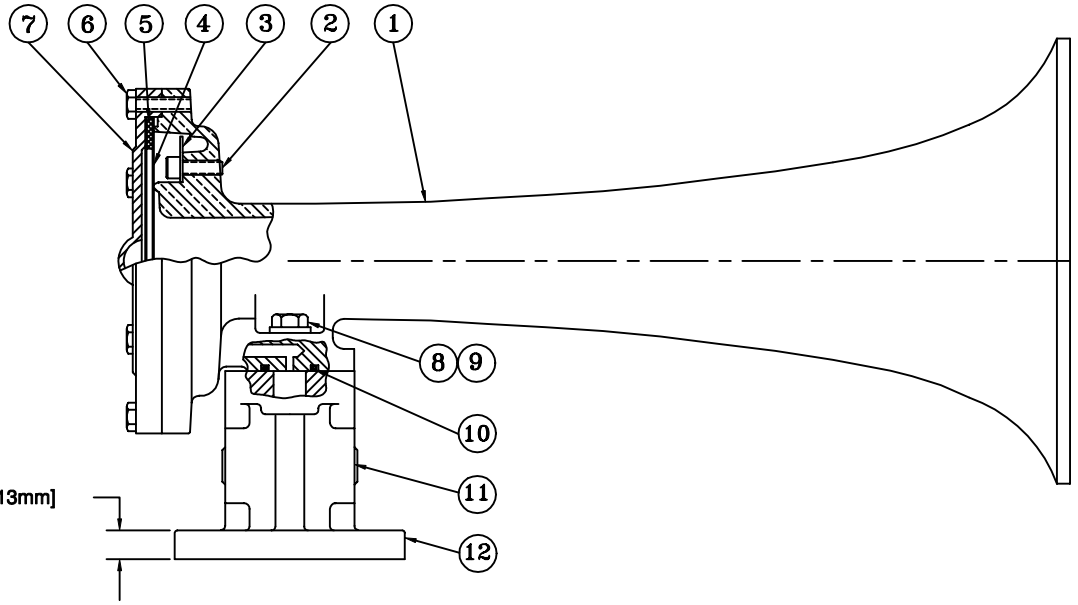
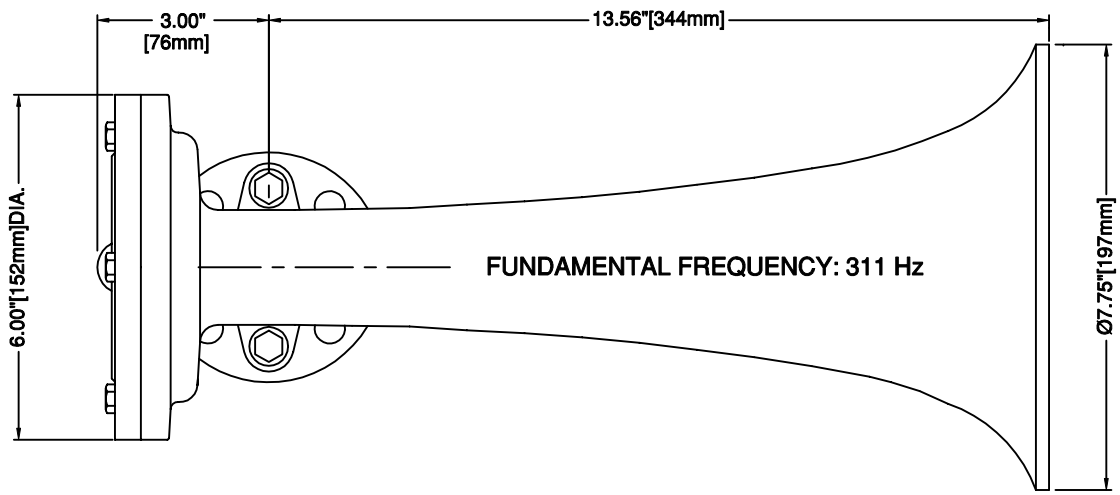
*EFFECTIVE OUTDOOR COVERAGE OF UP TO 3.0 KILOMETERS



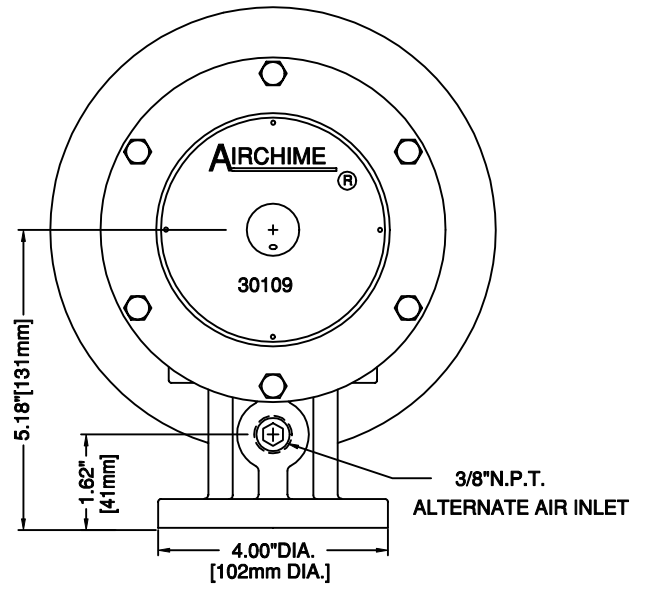
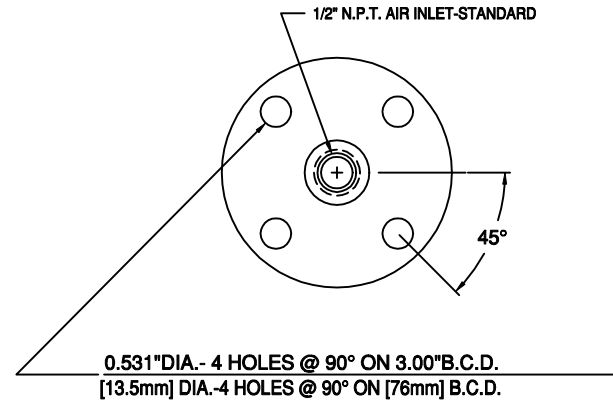
- Ideal for outdoor Industrial applications
- Single tone, 311 Hz fundamental frequency, engineered to produce full harmonic contents up to 12 octaves which greatly enhance warning effectiveness.
- Horn is energy efficient with hermetically sealed diaphragm assembly which operates on a side range of pressure without tuning or adjustment.
- Horn construction: High strength aluminum casting, stainless steel diaphragm discs and fasteners.

* Signal will produce a sound pressure level of approximately 70 dB @ 3 km in calm, cool conditions without topographical interference. Signal strength at distance can vary dramatically depending on environmental and geographical conditions. Please consult factory for more detailed information.

Control:	Manual, solenoid or combination valve
SPL (Loudness) on Total: Operating Medium: Air Consumption:	140 ± 1 dBA @ 1 meter Air, nitrogen, CO ₂ , 1/2" NPT inlet 11 L/Sec [24 SCFM] @ 7 bar [100 PSIG]
Audibility: Fundamental Frequency: Tone (Musical Note):	3.0 km on still air 311 Hz ± 10 Hz E ^b [E-flat]
Operating Pressure: Operating Temperature:	3 – 10 bar [50 – 150 PSI] -40°C to +85°C [-40°F to +185°F]
Finish: Degree of Protection:	Primed and painted red alkyd enamel IP 54
Basic Dimension: Net Weight:	432x230x229mm [17x8x9"] 3.2 kg [7 lbs]



REVISIONS			
REV	DESCRIPTION	DATE (YR-MO-DA)	APPROVED
1	SUPERSEDES DWG. No. WH-30154	95-02-27	J. W. C.



REF	PART	DESCRIPTION	MATERIAL	SPECIFICATION	QTY
1	30101	BELL BODY No. 1	DIE CAST ALUMINUM	ASTM-B26-65	1
2	30144	SOCKET HD. CAP SCREW	STAINLESS STEEL	ASTM F594	3
3	30143	DIFFUSER	STAINLESS STEEL	UNS-S30400	1
4	30111	DIAPHRAGM DISC	STAINLESS STEEL	UNS-S30100	2
5	30112	CUSHION RING	SILICONE RUBBER	ASTM D2000	1
6	30110	HEX HEAD CAP SCREW	STAINLESS STEEL	ASTM F593C	6
7	30109	DIAPHRAGM CAP	DIE CAST ALUMINUM	ASTM-B26-65	1
8	30119	HEX HEAD CAP SCREW	STAINLESS STEEL	ASTM F593C	2
9	30122	LOCKWASHER	STAINLESS STEEL	ASA B27.1	2
10	30211	O RING	BUNA N	ML STD 417 SB	1
11	20914	PIPE PLUG 3/8" N.P.T.	ALLOY STEEL	ASA B18.8	2
12	30117	BASE-SINGLE TONE	CAST ALUMINUM	UNS A03562	1

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CONTRACT NUMBER

CONTRACTOR

DRAWN BY: *J. W. P.* DATE (YR-MO-DA) 80-02-27

CHECKER: *R. E. S.* ENGINEER *R. E. S.*

DRAWING APPROVAL *R. E. S.*

TYPE OF DRAWING: **ASSEMBLY**

AIRCHIME MANUFACTURING CO. LTD.
LANGLEY, B.C. CANADA
V4W 3S8

MODEL K-1
SINGLE BELL WHISTLE

SIZE **A** NSCM 36575

30231

SCALE: NONE UNIT WT: 6.8 LBS SHEET: 1 OF 1