

Omni Directional, Single Tone Wide Area Warning System

*EFFECTIVE OUTDOOR COVERAGE RADIUS OF UP TO 7 KILOMETERS



- Fully enclosed and heated air horn for corrosion and weather resistance (available non-heated)
- Single tone, 135 Hz (other frequencies available)
- Heaters supplied with thermostat preset to turn on at 4°C [40°F] and off at 13°C [55°F], 600 watt heating capacity
- Solenoid valves come standard with explosion proof coil and are available in 120VAC, 240VAC/50-60Hz or 12, 24, 48VDC
- Designed for arctic freezing conditions
- Constructed of aluminum with steel supporting frame

* Signal will produce a sound pressure level of approximately 70 dB @ 7 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.

Operating Medium:	Air, nitrogen
Control:	Manual & solenoid combination valve
SPL (Loudness):	149 ± 1 dB total @ 1 meter
Air Consumption:	271 L/sec [576 SCFM] @ 9 bar [125 PSIG]
Audibility:	7 km in still air
Fundamental Frequency:	135 Hz ± 10 Hz
Tone (Musical Note):	C ₃ sharp
Operating Pressure:	3 – 12 bar [50 – 175 PSI] (higher pressures available)
Operating Temperature:	-40°C to +65°C [-22°F to +149°F]
Finish:	Primed and enamel coated twice
Degree of Protection:	IP 55
Basic Dimension:	2296x2296x1854mm [90x90x73"]

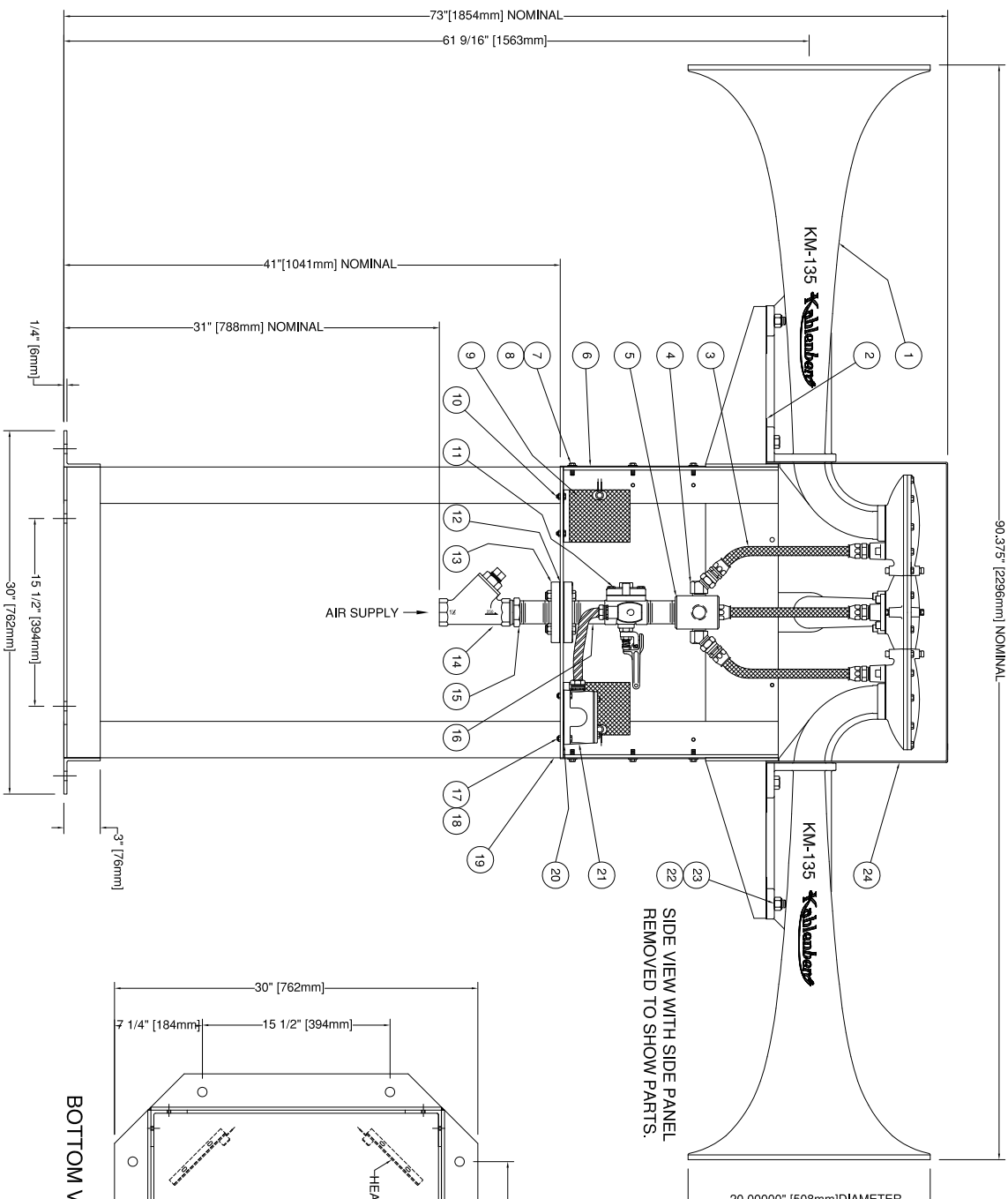
Kahlenberg Industries, Inc.

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Two Rivers, Wisconsin, 54241

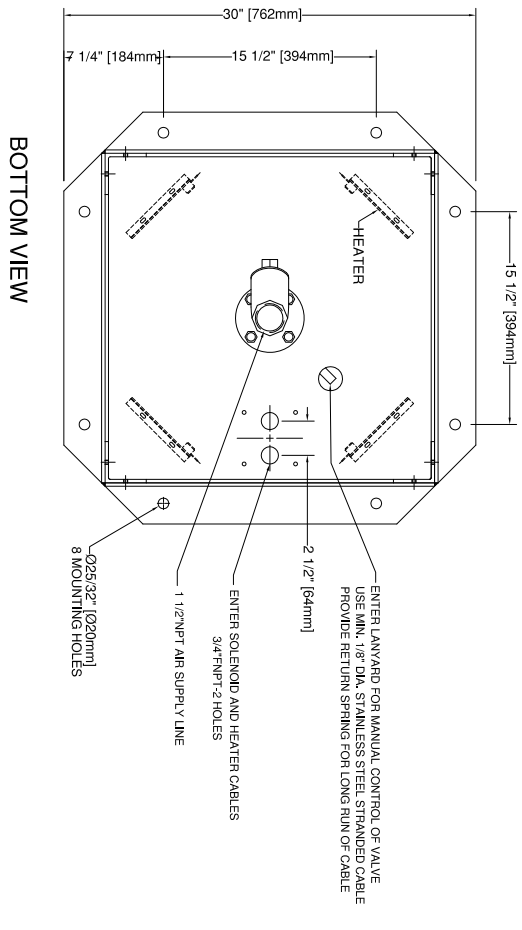
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REV	DESCRIPTION	DATE (YR-MO-DA)	APPROVED
1	SUPERSEDES DRAWING NUMBER 135010	99-01-21	<i>L. M. S.</i>



REF PART	DESCRIPTION	MATERIAL	SPECIFICATION	QTY
1	32236 KM-135 AIR WHISTLE	ASSEMBLY	DWG No. 32236	4
2	13206 GASKET, WHISTLE BASE	NEOPRENE	ASTM D2000 BGRB8	4
3	13216 HOSE ASSEMBLY, SWIVEL END	RUBBER/STEEL	SAE R5 & J514	4
4	65254 ELBOW, PIPE TO TUBE, J37	STEEL, CAD PLATE/A&E J514		4
5	13220 MAINPOLE, FOUR WAYS, 3/4" NPT	STAINLESS STEEL	UNS S30400	4
6	13202 SIDE PANEL	MILD STEEL	CSA G40.12	4
7	13226 HEX HEAD CAP SCREW 5/16-18	STAINLESS STEEL	ASTM F893C	32
8	13224 PLAT WASHER	STAINLESS STEEL	ASTM B27.2	32
9	18121 HEATER, 150WATTS	ASSEMBLY	CR. UL, CSA	4
10	40032 HEX HEAD CAP SCREW 1/4x5/8	STAINLESS STEEL	ASTM F893C	8
11	10980 COMBINATION VALVE, 1/4" NPT	ASSEMBLY	DWG No. 10976	1
12	13237 GASKET, PIPE FLANGE	CORK RUBBER	COMMERCIAL	2
13	13236 PIPE FLANGE, 1/4" NPT	FORGED STEEL	ANSI B16.5	1
14	10795 STRAINER, 1 1/2" NPT (**)	BRONZE/ST. ST.	ANSI B16.8	2
15	13215 HEX BUSHING 1 1/2" - 1 1/4"	STAINLESS STEEL	ASTM F893C	1
16	13221 PIPE NIPPLE, 1 1/4" NPTx3"	STAINLESS STEEL	ANSI B16.5	3
17	18112 HEX HD CAP SCREW 1/4x1 1/4	STAINLESS STEEL	ASTM F893C	4
18	18114 HEX LOCK NUT 1/4-20 UNC	STAINLESS STEEL	ASTM F894	12
19	13207 FRAME STRUCTURE	MILD STEEL	CSA G40.12	1
20	18106 ENCLOSURE GASKET	CORK NEOPRENE	COMMERCIAL	1
21	18400 JUNCTION BOX, 3/4" NPT ENTRY	CAST ALUMINUM	DWG. No. 18400	1
22	10605 HEX HEAD CAP SCREW 5/8-11	STAINLESS STEEL	ASTM F893C	20
23	90150 HEX LOCK NUT 5/8-18 UNC	STAINLESS STEEL	ASTM F894	20
24	13204 FRAME COVER	MILD STEEL	CSA G40.12	1



BOTTOM VIEW

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KAHLBERG INDUSTRIES INC.
TWO RIVERS, WISCONSIN 54241

KAHLBERG

OUTLINE DIMENSIONS / PARTS LIST
MODEL KM4-135-EN
OMNIDIRECTIONAL, ENCLOSED & HEATED HORNS

DR.	DATE	CKD.	SCALE	DRWG. NO.	REV.
ZJN	03/19/13	EMK	N.T.S.	32310	1

CAGE: 75214

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