



SOUND SIGNALING EQUIPMENT Accessories - Air Compressors

Model P449-17/P449-34 Air Compressor System

The Kahlenberg P449-17/P449-34 Compressed Air Systems are quiet, oil-less compressor solutions incorporating a compact, continuous duty compressor pump, pressure switch, air guage, and all tubing and fittings specifically arranged for marine use.



Technical Details

Voltage: 12 V.D.C. (P449-17)
Voltage: 24 V.D.C. (P449-34)
Max Current: 21A @12 Volts, 12 A @ 24 Volts
FAD @ 7 bar: ..85 CFM, 24 l/min
Max Pressure: 150 p.s.i., 10.31 bar
Weight: 14 lbs. , 6.4 kg, Compressor and Tank
Noise Level: 69 dB(A)@ 1 meter
Thermal Protection: Yes
Duty Cycle: 33%
Vibration Isolated: Yes
Wire Size: 12 AWG min.

Features and benefits of the P449-17 and P449-34 include:

✦ Quiet Operation: 69dB(A) @ 1 meter

✦ Oil-less Operation:

Minimizes maintenance by eliminating oil in air lines.

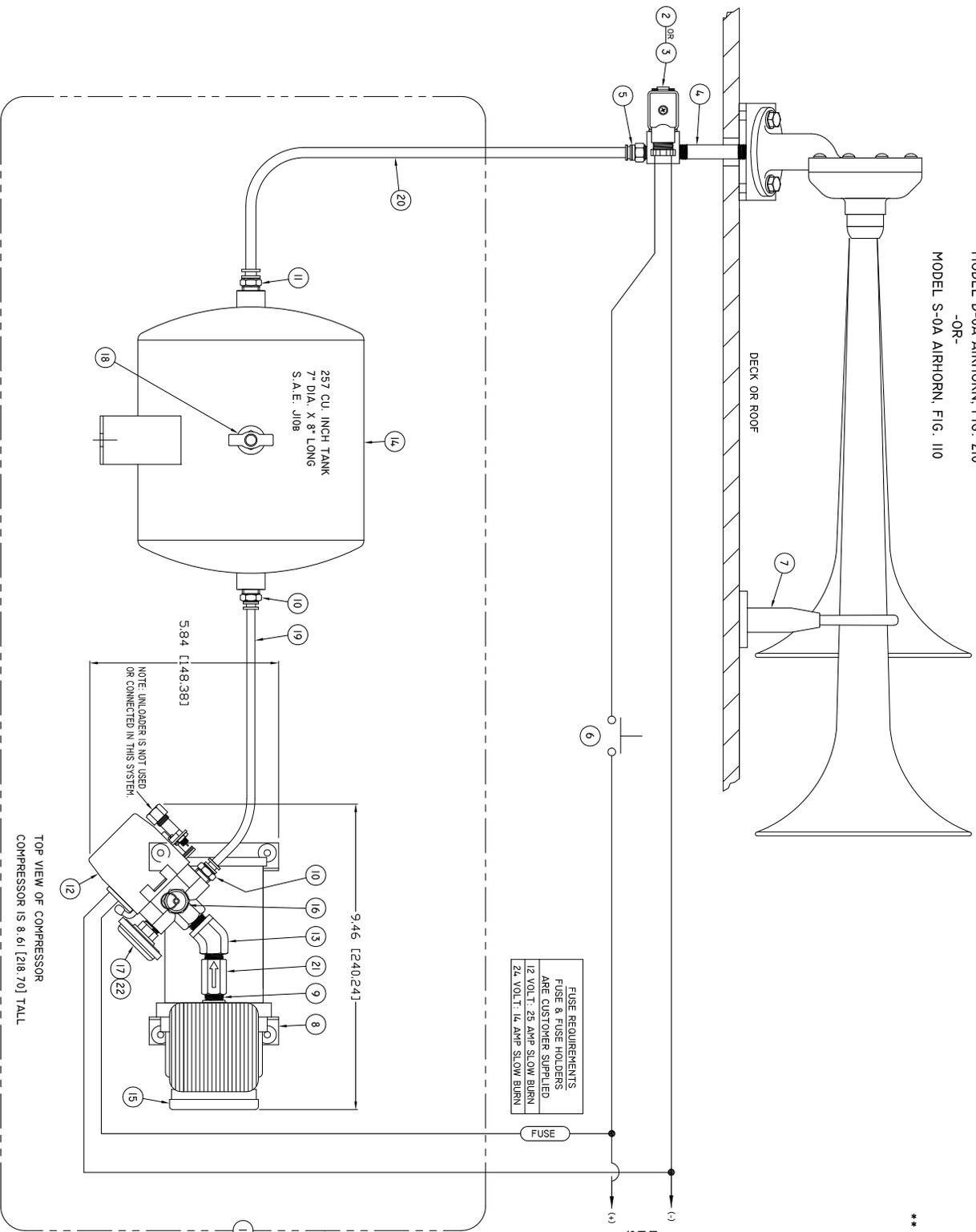
✦ Easy Installation:

Fittings, air tank, and tubing are supplied, as are safety valve and air gauge. All fittings are instant connect. The only wiring required is connection of the compressor assembly to line voltage.

The P449-17/P449-34 Compressor System provides output sufficient for Kahlenberg Air Horn Models S-0A and D-0A

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KAHLENBERG
 MODEL D-0A AIRHORN, FIG. 210
 -OR-
 MODEL S-0A AIRHORN, FIG. 110



FUSE REQUIREMENTS:
 FUSE & FUSE HOLDERS
 ARE CUSTOMER SUPPLIED
 12 VOLT, 25 AMP SLOW BURN
 24 VOLT, 16 AMP SLOW BURN

CURRENT REQUIREMENTS
 12 VOLT 21 AMP
 24 VOLT 12 AMP
 C.F.M. OUTPUT @ 100 P.S.I.
 12 VOLT 0.85 C.F.M.
 24 VOLT 0.99 C.F.M.

REV.	BY	DATE	DESCRIPTION	APP'D.
A	ZN	04/20/05	CHANGED CFM @ 0 TO 100 PSI	EKM
B	ZN	03/19/10	PRESSURE SWITCH WAS PT148-002	EKM
C	ZN	04/07/10	ADDED V-63 CHECK VALVE	EKM
D	ZN	06/09/10	LABELLED ITEM 12 ON DRAWING	EKM
E	ZN	01/17/11	ITEM 17 WAS M-143, ADDED ITEM 22	EKM
F	ZN	10/20/16	ADDED UNLOADER NOTE	EKM

NO.	PART NO.	DESCRIPTION	DRWG.
1	P449-17 P449-18	COMPRESSOR KIT, 12V DC COMPRESSOR KIT, 24V DC	
2	V-69K	SOLENOID VALVE, 12 OR 24V DC, 1/8" NPT	2-5025
3	V-110B	MANUAL VALVE, 1/8" NPT	2-1456
4	P129-08	PIPE NIPPLE, 1/8" NPT	
5	P516-03	CONNECTOR, MALE 1/8" NPT X 5/16" TB	2-5047
6	M-126	PUSH BUTTON SW, MOMENTARY, S.P.S.T.	2-5046
**	P519-01	PROJECTOR SUPPORT ASSEMBLY	
8	P449-15/16	COMPRESSOR UNIT ONLY, 15/16" NPT, 16-24V	
9	P129-19	NIPPLE, CLOSE, 1/4" NPT	
10	P516-04	CONNECTOR, MALE 1/4" NPT X 1/4" TUBE	
11	P516-05	CONNECTOR, MALE 1/4" NPT X 5/16" TUBE	
12	PT148-005	PRESSURE SWITCH, 120/150 P.S.I.	3-6554
13	P512-06	ELBOW, 45 DEGREE, 1/4" NPT	
14	P521-01A	AIR RECEIVER	
15	92623	FILTER	
16	V-808	VALVE, SAFETY, 1/2" PSI	
17	M-145	GAUGE, PRESSURE	
18	D176-02	BRANCOCK	
19	PT130-005	TUBE, 1/4" O.D. X 8", S.A.E. J844	
20	PT130-004	TUBE, 3/16" O.D. X 15" (LONGER LENGTHS AVAILABLE), S.A.E. J844	
21	V-63	CHECK VALVE	
22	PT134-004	BISHING, FACE, 1/8" NPT	

** SUGGESTED ONLY FOR HIGH SHOCK CONDITIONS

ALL ITEMS WITHIN DASHED LINE ARE INCLUDED IN COMPRESSOR KIT. KIT ALSO INCLUDES ITEMS #4 & #5.

MOUNT COMPRESSOR ON RIGID SUPPORT IN PROTECTED AREA WITH AIR FLOW AROUND THE COMPRESSOR.

USE PIPE SEALANT ON ALL THREADED PIPE JOINTS.

PRESSURE SWITCH MAINTAINS PRESSURE BETWEEN 120 & 150 P.S.I.

REFER TO INSTRUCTION SHEETS FOR ALL INSTALLATION REQUIREMENTS.

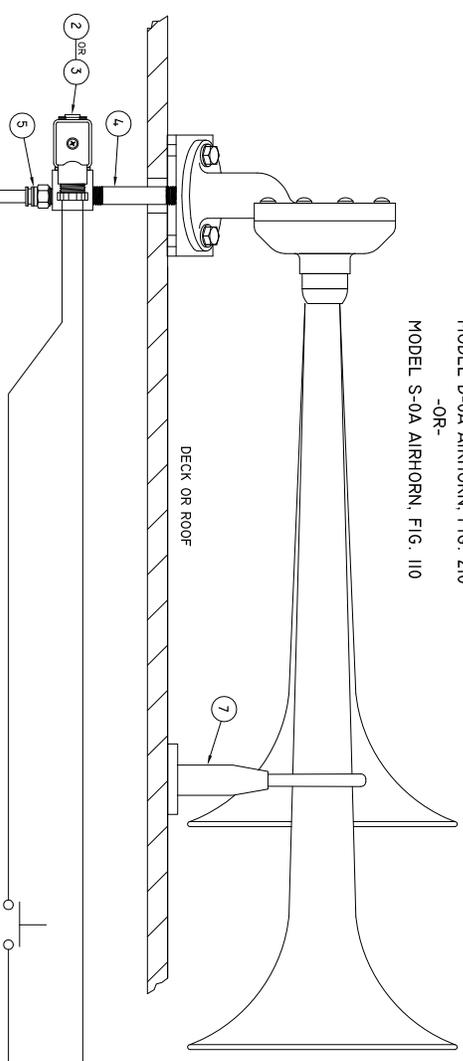
KAHLENBERG INDUSTRIES TWO RIVERS, WI, U.S.A.

Kahlenberg's

INSTALLATION (SUGGESTED) & PARTS LIST FOR "D-0A" & "S-0A" AIRHORN SYSTEM

DR.	DATE	CND.	SCALE	DRWG. NO.	REV.
ZJN	12/06/04	EKM	N.T.S.	3-6331	F

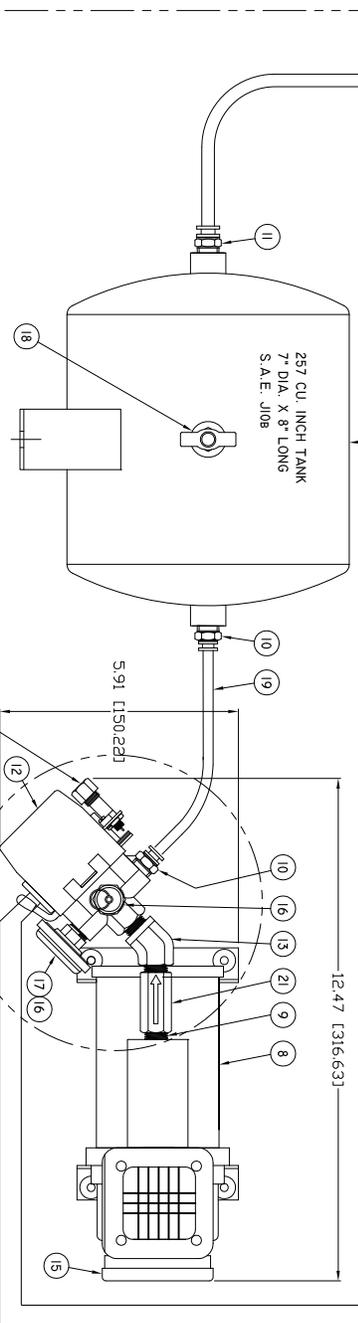
KAHLENBERG
 MODEL D-0A AIRHORN, FIG. 210
 -OR-
 MODEL S-0A AIRHORN, FIG. 110



FUSE REQUIREMENTS:
 FUSE & FUSE HOLDERS
 ARE CUSTOMER SUPPLIED
 12 VOLT: 25 AMP SLOW BURN
 24 VOLT: 16 AMP SLOW BURN

CURRENT REQUIREMENTS	24 VOLT 12 AMP
C.F.M. OUTPUT @ 100 P.S.I.	24 VOLT 0.99 C.F.M.

TOP VIEW OF COMPRESSOR
 COMPRESSOR IS 8.61 [218.70] TALL



NO.	PART NO.	DESCRIPTION	DRWG.
1	P449-34	COMPRESSOR KIT, 24V DC	
2	V-69K	SOLENOID VALVE, 24V DC, 1/8" NPT	2-5045
3	V-110B	MANUAL VALVE, 1/8" NPT	2-1456
4	PI29-08	PIPE NIPPLE, 1/8" NPT	
5	PS16-03	CONNECTOR, MALE 1/8" NPT X 5/16" TB	2-5047
6	M-126	PUSH BUTTON SW. MOMENTARY, S.P.S.T.	
7	PS19-01	PROJECTOR SUPPORT ASSEMBLY	2-5046
8	PL49-32	COMPRESSOR UNIT ONLY, 24 V DC	
9	PI29-19	NIPPLE, CLOSE, 1/4" NPT	
10	PS16-04	CONNECTOR, MALE 1/2" NPT X 1/4" TUBE	
11	PS16-05	CONNECTOR, MALE 1/2" NPT X 5/16" TUBE	
12	PT148-005	PRESSURE SWITCH, 120/150 P.S.I.	
13	PS12-06	ELBOW, 45 DEGREE, 1/4" NPT	3-6554
14	PS21-01A	AIR RECEIVER	
15	92623	FILTER	
16	V-80B	VALVE, SAFETY, 175 PSI	
17	M-145	GAUGE, PRESSURE	
18	DI76-02	TUBE, 1/4" O.D. X 8" S.A.E. J84A	
19	PT130-005	TUBE, 3/16" O.D. X 15" (LONGER LENGTHS AVAILABLE) S.A.E. J84	
20	PT130-004	CHECK VALVE	
21	V-63	BUSHING, FACE, 1/8" 1/4" NPT	
22	PT134-004		

** SUGGESTED ONLY FOR HIGH SHOCK CONDITIONS

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MOUNT COMPRESSOR ON RIGID SUPPORT IN PROTECTED AREA WITH AIR FLOW AROUND THE COMPRESSOR.
 USE PIPE SEALANT ON ALL THREADED PIPE JOINTS.
 PRESSURE SWITCH MAINTAINS PRESSURE BETWEEN 120 & 150 P.S.I.
 REFER TO INSTRUCTION SHEETS FOR ALL INSTALLATION REQUIREMENTS.



INSTALLATION (SUGGESTED)
 & PARTS LIST FOR 24 VOLT D.C.
 "D-0A" & "S-0A" AIRHORN SYSTEM

DR.	DATE	CAD.	SCALE	DRWG. NO.	REV.
E MK	06/04/19	E MK	N.T.S.	3-7378	-