



Model P449-17, P449-18 Air Compressor Systems

The Kahlenberg P449-17/P449-18 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. (P449-18)

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 P449-18 include:



Quiet Operation: 69dB(A) @ 1 meter



Oil-less Operation:

Minimizes maintenance by eliminating oil in air lines.



Easy Installation:

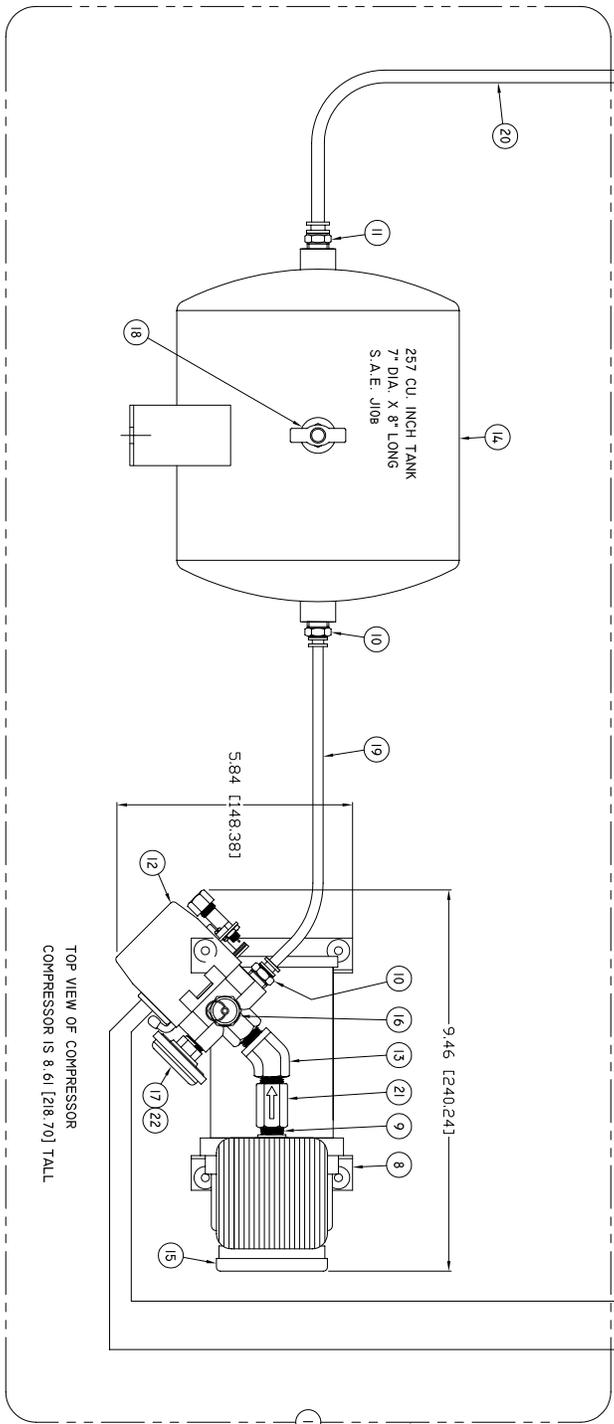
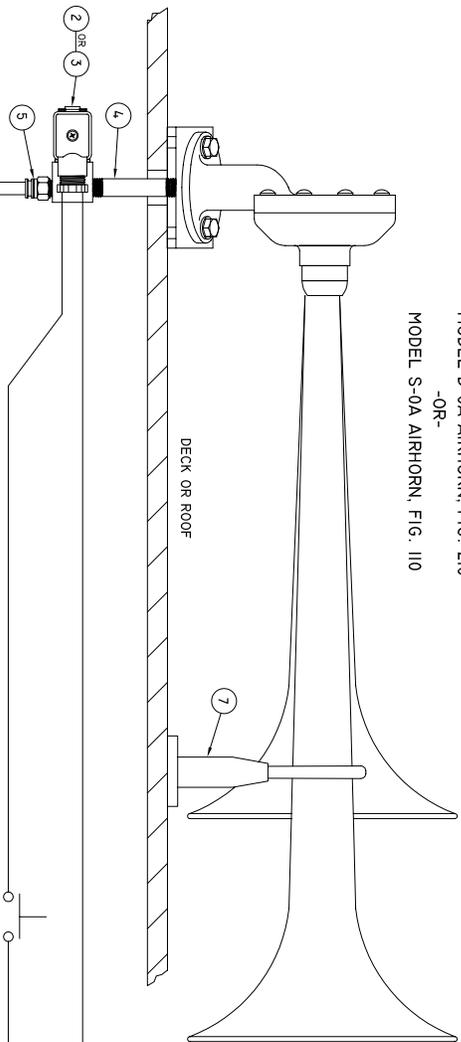
Fittings, air tank, and tubing are supplied, as are safety valve and air gauge. All fittings are instant connect. The only wiring required is connection of the compressor assembly to line voltage.

The P449-17/P449-18 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

| 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 | LABLED ITEM 12 ON DRAWING | EKM |
| E | ZN | 01/17/11 | ITEM 17 WAS M-143, ADDED ITEM 22 EKM | EKM |

| NO. | PART NO. | DESCRIPTION | DRWG. |
|-----|-------------|---|--------|
| 1 | P44-9-17 | COMPRESSOR KIT 12V DC | |
| 2 | P44-9-18 | COMPRESSOR KIT, 24V DC | 2-5045 |
| 3 | V-69K | SOLENOID VALVE, 1/2 OR 24V DC, 1/8" NPT | 2-1456 |
| 4 | P129-08 | MANUAL VALVE, 1/8" NPT | |
| 5 | P516-03 | PIPE NIPPLE, 1/8" NPT | |
| 6 | M-126 | CONNECTOR, MALE 1/8" NPT X 5/16" TB | |
| 7 | P519-01 | PUSH BUTTON SW. MOMENTARY, S.P.S.T. | 2-5047 |
| 8 | P44-9-15/16 | PROJECTOR SUPPORT ASSEMBLY | 2-5046 |
| 9 | P129-19 | PROJECTOR SUPPORT UNIT ONLY, 15412VDC, 16-24V | |
| 10 | P516-04 | NIPPLE, CLOSE, 1/4" NPT | |
| 11 | P516-05 | CONNECTOR, MALE 1/4" NPT X 1/4" TUBE | |
| 12 | PT148-005 | CONNECTOR, MALE 1/4" NPT X 5/16" TUBE | 3-6554 |
| 13 | P512-06 | PRESSURE SWITCH, 120/150 P.S.I. | |
| 14 | P521-01A | ELBOW, 45 DEGREE, 1/4" NPT | |
| 15 | 92623 | AIR RECEIVER | |
| 16 | V-80B | FILTER | |
| 17 | M-44S | VALVE, SAFETY, 175 PSI | |
| 18 | D17-6-02 | GAUGE, PRESSURE | |
| 19 | PT130-005 | GAUGE, PRESSURE | |
| 20 | PT130-004 | TUBE, 1/4" O.D. X 8', S.A.E. J844 | |
| 21 | V-63 | TUBE, 3/8" O.D. X 15' LONGER LENGTHS AVAILABLE, S.A.E. J844 | |
| 22 | PT134-004 | CHECK VALVE | |

*** SUGGESTED ONLY FOR HIGH SHOCK CONDITIONS

| D.C. POWER SOURCE | CURRENT REQUIREMENTS |
|-------------------|----------------------|
| 12 VOLT | 21 AMP |
| 24 VOLT | 12 AMP |

| C.F.M. OUTPUT @ 100 P.S.I. | C.F.M. |
|----------------------------|-------------|
| 12 VOLT | 0.85 C.F.M. |
| 24 VOLT | 0.99 C.F.M. |

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.

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 | E |