

## PowerAir™ Specifications

*Classifications: Class 1, Type B Applied Part*

Model	# Users	CFM @ 80 PSI	Total HP	Tank Capacity	Voltage	Total Amps	Breaker Size	Sound Level (dBA)	Sound Level (dBA) With Quiet Cover	Dimensions H x W x D (IN.)	Dimensions With Sound Cover H x W x D (IN.)	Product Weight (LBS.)
P21	1 - 3	5.2	1.5	10	115	16.0	20	65	60	27 x 26 x 24	32 x 26 x 25	225
P22	1 - 3	5.2	1.5	10	208-230	7.0	20	65	60	27 x 26 x 24	32 x 26 x 25	225
P32	3 - 5	7.8	2.25	20	208-230	11.0	20	67	62	29 x 33 x 26	33 x 33 x 28	295
P52	5 - 7	10.6	3.2	20	208-230	20.0	30	70	65	31 x 33 x 26	33 x 33 x 28	345
P72	7 - 10	15.9	4.8	32	208-230	29.0	40	73	68	33 x 40 x 27	39 x 40 x 30	425

# Compressor Site Requirements

## Electrical

## Models

Supply	P21	P22	P32	P52	P72
Voltage	115	208-230	208-230	208-230	208-230
Single Phase					
Disconnect Switch Box - Fused - User Supplied - Box(es) must be located within 3 ft. of compressor	20 Amps	20 Amps	20 Amps	30 Amps	40 Amps

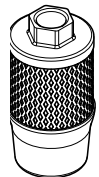
## Plumbing

Fresh Air Intake Line	
Type	PVC
Line Sizing	<b>1" Minimum (Provided by Contractor)</b>
Compressor Connections	1" MPT or 1" PVC Slip Connectors
Drain	
Type	Poly Tube (Provided with Install Kit)
Delivery Line	
Main Trunk Line	3/8" to 3/4" Copper, as site layout dictates. Terminate in mechanical room with 1/2" FPT. Flex hose provided for service connection. Trunk line to slope 1/4" / 10ft toward source compressor.
Operatory Branch Lines	3/8" to 3/4" Copper - Same size as trunk line. Terminate 1/2" or 5/8" FPT at Operatory junction box location.

## Environmental

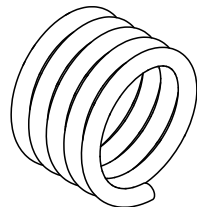
Equipment Room Ambient Temperature - Operational	40° - 104° Fahrenheit / 4° - 40° Celsius
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### Installation Kit Provided with Compressors



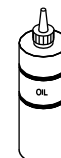
**Exhaust Silencer**

**Indicator for Coalescing Filter**



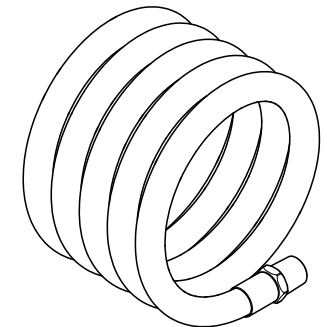
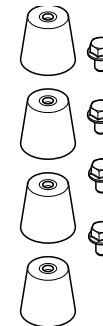
**Fresh Air Intake Hoses  
Length 10'**

**Elbow for Operatory Line Connection**



**Oil**

### Feet with Hardware

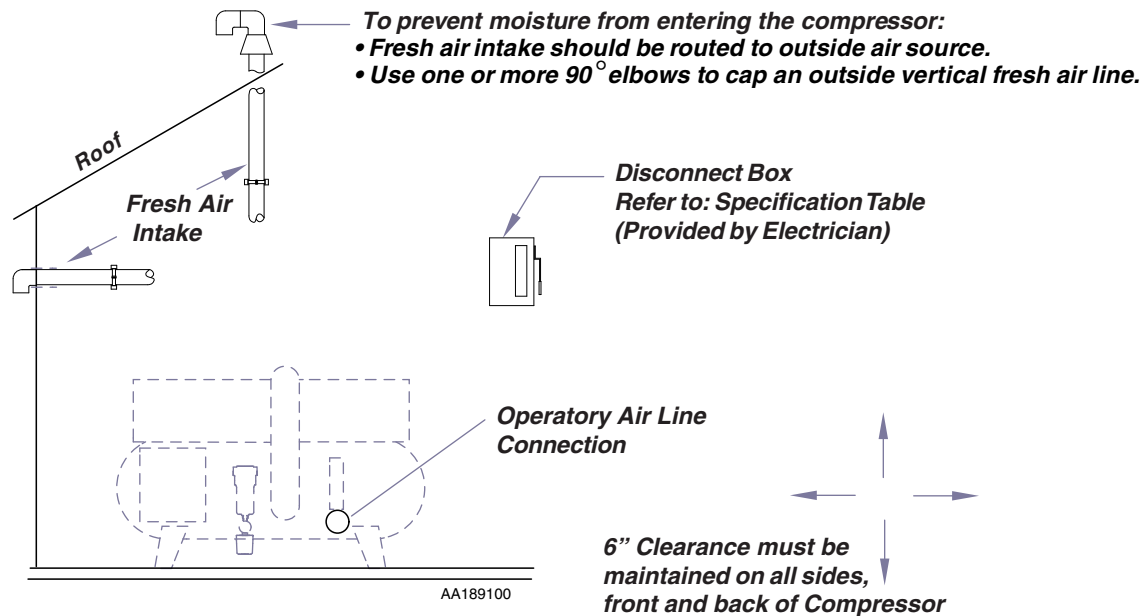


**Operatory Air Line  
Length - 6'**

AA189300

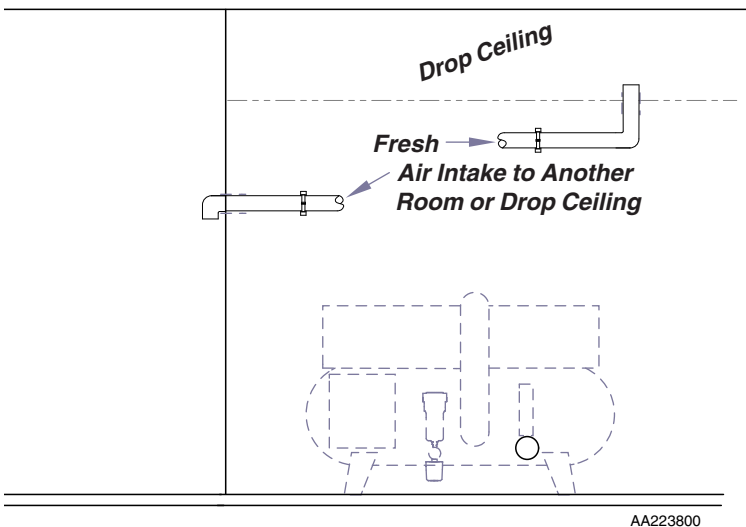
# Compressor Site Layout

## Elevation View



OR

- Fresh air intake can be set-up to pull air from a drop ceiling or another room.



## Sample Plumbing Layout

AIR LINE SIZING CHART	
Compressor CFM @ 80 psig	Main Header Line Size
5 - 10	3/8" ODT
10 - 20	1/2" ODT
20 - 30	5/8" ODT
30 - 40	3/4" ODT

100 PSI max (+ / - 5psi)

