



Classic Series™ & PowerAir™ Compressor Pre-Installation Guide

Applies to Models:

CL21, CL22, CL32, CL52
P21, P22, P32, P52, P72

Classifications: Class 1, Type B Applied Part

Classic Series™ Specifications

Model	# of Users	CFM @ 80 PSI	Total HP	Tank Capacity	Voltage	Total Amps	Breaker Size (Amps)	Sound Level (dba)	Dimensions H x W x D (IN.)	Product Weight (lbs.)
CL21	1 - 3	5.3	1.0	10	115	12.4	20	68	29 x 26 x 24	202
CL22	1 - 3	5.3	1.0	10	208-230	6.0	20	68	29 x 26 x 24	202
CL32	3 - 5	10.6	2.0	20	208-230	12.0	20	71	31 x 33 x 26	329
CL52	5 - 7	15.9	3.0	32	208-230	18.0	30	75	32 x 41 x 27	460

PowerAir™ Specifications

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	CL21	CL22	CL32	CL52	P21	P22	P32	P52	P72
Voltage	115	208-230	208-230	208-230	115	208-230	208-230	208-230	208-230
Single Phase	60 Hz								
Disconnect Switch Box - Fused - User Supplied - Box(es) must be located within 3 ft. of compressor	20 Amps	20 Amps	20 Amps	30 Amps	20 Amps	20 Amps	20 Amps	30 Amps	40 Amps

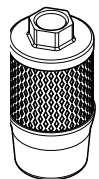
Plumbing

Fresh Air Intake Line	
Type	PVC
Line Sizing	1" Minimum (Provided by Contractor)
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

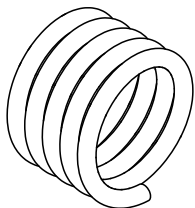
Equipment Room Ambient Temperature - Operational	40° - 104° Fahrenheit / 4° - 40° Celsius
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Installation Kit Provided with Compressors



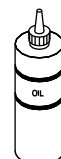
Exhaust Silencer

Indicator for Coalescing Filter



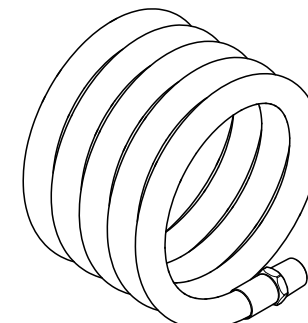
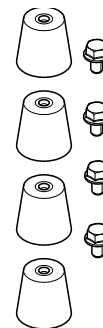
Fresh Air Intake Hoses
Length 10'

Elbow for Operatory Line Connection



Oil

Feet with Hardware

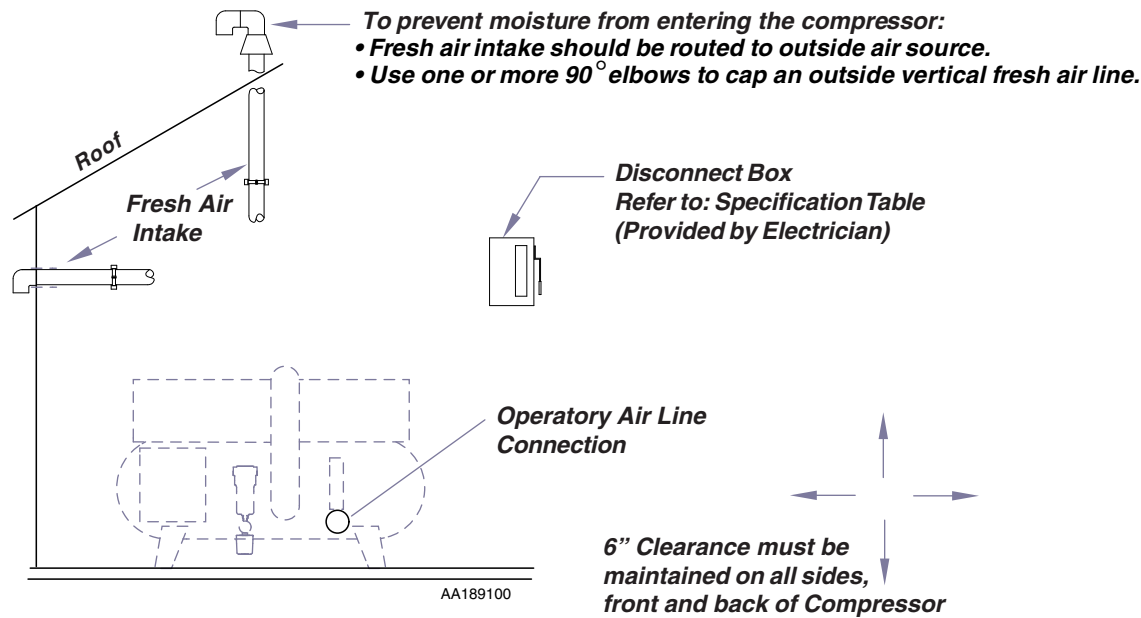


Operatory Air Line
Length - 6'

AA189300

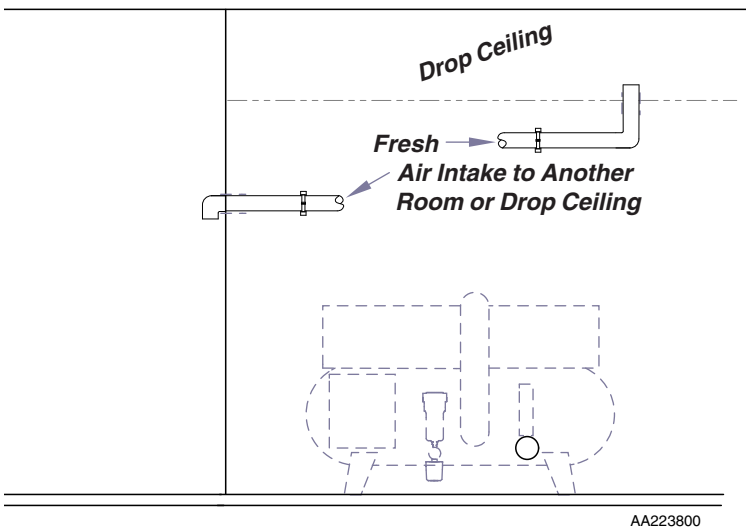
Compressor Site Layout

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

