

# Aerite™ Blower Outlet Muffler

All model Aerite™ AB150, AB150E and AB180 direct drive centrifugal blowers may be fitted with a carefully designed and assembled blower outlet muffler offered as an excellent means of reducing blower outlet noise levels generated by high impeller tip speeds within the housing.

Aerite™ blower outlet mufflers are manufactured of 3000 series spun aluminum, 316-stainless steel, and fitted with a custom shaped internal sound blanketing system. Muffler body Inlets and outlet ports are standard 12.7 cm/5-inch diameter with each compact muffler designed to be slip coupled to the outlet side of the blower housing using marine grade rubber cuffs and stainless steel banding clamps. With attention to design and performance considerations, modifications to body length and the addition of custom flange bolt face options are available upon request.

As a general point of reference a 6.0 dB drop of sound equals a 50% reduction in noticeable noise. The use of the Aerite™ blower outlet muffler drops sound level readings by 10.0 dB while reducing air flow scfm performance rates by less than 5%. These decibel ratings are the result of an average of a four-quadrant reading process with each reading taken 1 meter/3 feet from the Aerite™ blower outlet muffler.

## Heavy Wall Construction

Spun aluminum and stainless steel construction will provide years of service in tough operating environments.

## Aerite™ Air Flow Control

Custom design approach addresses maximum sound reduction while minimizing flow through air velocity losses.

## Machined and Statically Balanced Impeller

Smooth operation at high speed.

## Large Sound Deadening Surface Area

Specially sourced and carefully installed heavy sound deadening material ensure best sound attenuation in a compact muffler package.



## Aerite™ Blower Outlet Muffler Specifications

Muffler Length	44.5 cm (17.5 in)
Muffler Width	30.5 cm (12 in)
Inlet and Outlet Size	12.7 cm (5 in) diameter
Weight	2.5 kg (5.5 lb)
Materials	Aluminum outer housing. Stainless steel assembly hardware. Aluminum inner plugs. Sound deadening matt and aluminum mesh.
Decibel Ratings	10 dB reduction at 1 meter (3 feet) with motor/blower operating at 3850 rpm.
Options	Muffler length can be adjusted to accommodate additional sound deadening requirements.