



To Whom It May Concern,

Ref: Noise levels on car wash

Please find attached the decibel ratings for our induction motor central vacuums for hand car washes.

The standard 3-motor, portable commercial style vacuum cleaners that are ordinarily used in car wash applications generate 76dBA when new and usually considerably more when well worn.

Our systems represent a substantial reduction in the noise generated when vacuuming.

The figure we supply on the specification sheet is at full power with the maximum number of hoses used, immediately adjacent to the motor with no additional muffling. However, once you incorporate a muffler on the exhaust of EACH motor (standard on all our machines now) this reduces the noise level dramatically. E.G. This particular configuration generates 64dBA with all 4-hoses active, but less when fewer hoses are in use.

If you want to reduce the noise levels even further with no reduction in performance, then the power unit cabinet can be lined with acoustic foam. This can help reduce the noise level to as low as 58dBA at a 3m distance.

In many cases the power unit is located inside a building and the suction points outside are connected via a 63mm pipe network. In this case, there is virtually no noise in the cleaning area apart from the intake of air through the cleaning attachment. If you have a noise concern, then always locate the vacuum power unit or duct the exhaust well away from the sensitive area.

If you would like to see video footage of the decibel level noise testing on the specific machine being supplied then please feel free to contact me.

Yours faithfully,

Spencer Harvey
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