



PRODUCT SPECIFICATIONS

SOUND SUPPRESSION FOR CAT 793D (3516) XQ UPGRADE



SOUND SUPPRESSION FOR CAT 793D XQ

Aletek's sound suppression exhaust system is a direct-fit replacement for Cat 793D XQ trucks. Our system was designed by our in-house acoustic engineer for superior noise reductions and performance.

- **Attenuated SWL⁽¹⁾ 123 dB/117 dBA**
- Improves overall SWL⁽¹⁾ by 2-4 dB
- Utilises XQ engine pipes from the junction to the muffler
- Additional secondary silencer replaces XQ tailpipe for further attenuation
- Compatible with XQ primary muffler brackets and cover
- Australian designed and made
- Non XQ option also available



Superior noise suppression



Direct-fit with minimal mods



Acoustic engineered



Dual layers with insulated inner



Australian made



Sound Power Level tested



Dual-stage attenuation

UNATTENUATED SOUND POWER RESULTS^(A) (Before)

Test Condition	L _W ⁽²⁾	L _{WA} ⁽³⁾	Site Limit (L _W) ⁽²⁾
Stationary	⊕ 123 dBL	117 dBA	123 dBL
Dynamic (uphill loaded)	⊕ 125 dBL	120 dBA	123 dBL
Dynamic (downhill unloaded)	⊕ 124 dBL	115 dBA	123 dBL

ATTENUATED SOUND POWER RESULTS^(A/B) (After)

Test Condition	L _W ⁽²⁾	L _{WA} ⁽³⁾	Site Limit (L _W) ⁽²⁾
Stationary	⊕ 119 dBL	114 dBA	123 dBL
Dynamic (uphill loaded)	⊕ 123 dBL	117 dBA	123 dBL
Dynamic (downhill unloaded)	⊕ 119 dBL	114 dBA	123 dBL

^(A)Independent test report available
^(B)Attenuated results with Aletek exhaust

⁽¹⁾ SWL (Sound Power Level) ⁽²⁾ L_W (Linear Sound Power Level)
⁽³⁾ L_{WA} (Linear Sound Power Level, A-weighted scale)



GLOBAL HEAD QUARTERS
Queensland, Australia
T 1300 886 628
sales@aletek.com.au
www.aletek.com.au

AUSTRALIA
New South Wales
Queensland
Victoria
Western Australia

USA
Arizona
California
Utah

STH AMERICA
Chile
Colombia
Peru

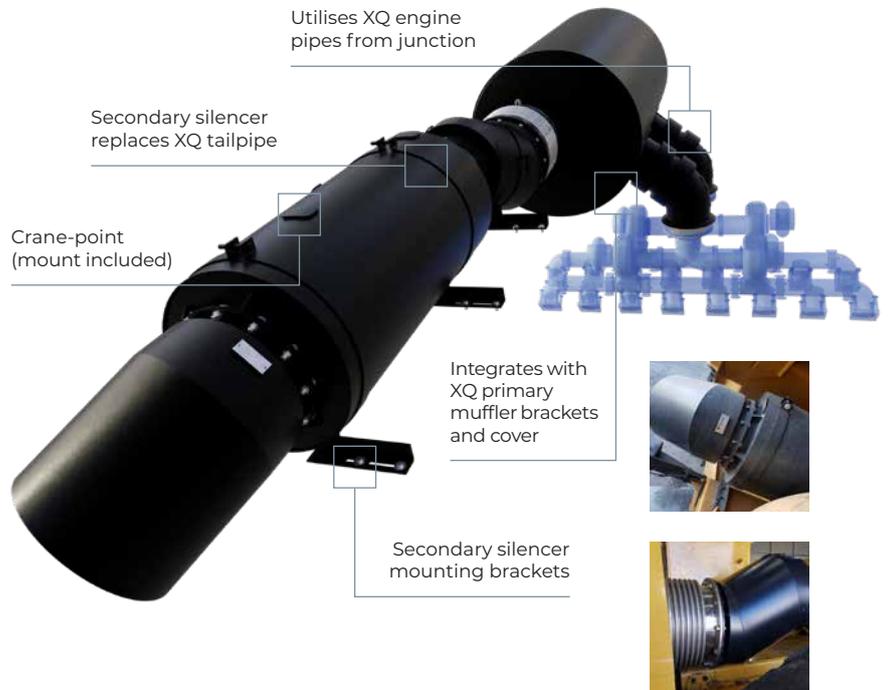
INDONESIA
Kalimantan



PRODUCT SPECIFICATIONS

SOUND SUPPRESSION FOR CAT 793D (3516) XQ UPGRADE

SOUND SUPPRESSION EXHAUST



SOUND SUPPRESSION EXHAUST SPECS

Integration	Direct-fit to junction Utilises XQ primary muffler brackets and cover
Specifications	Steel inner and outer skins, acoustic-lined tailpipe
Attenuated Sound Power	SWL ⁽¹⁾ 123 dB/117 dBA ^(A/B) Improves SPL by 2-4 dB
Warranty	12-months*

⁽¹⁾ SWL (Sound Power Level) ^(A)Independent test report available
^(B)Attenuated results with Aletex exhaust

ACOUSTIC DUAL-SKIN PIPE



PRODUCT INTEGRATION



SOUND SUPPRESSION EXPERTISE

✔ Exhaust systems and silencers

- Direct-fit OEM replacement solutions
- Exhaust systems – single and dual-stage systems
- Exhaust silencers – machine-specific solutions
- Dual-walled pipes – thermal (MDG 15 compliance) and acoustic-lined options

✔ Noise attenuation solutions

- Grid box and radiator attenuators

- Acoustic panels – engine bay doors, underbelly, enclosures for drivetrains and transmission
- Acoustic engine enclosures and radiator fans
- Acoustic foam refurbishment (NSW)

✔ Multi-staged attenuation

- Staged attenuation – modular and cost benefits
- Multi-staging improves weight distribution with superior noise suppression and optimal backpressure