



APPLICATIONS NOTICE

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Form NS 006

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H.O., REG'L & AUST. MANAGERS
APPLIC. NOTICE GENERAL LIST

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FROM : T King/M Vlug

SUBJECT: RECOMMENDATIONS FOR NOISE ISOLATION
- PARTICULARLY FOR HIGH AIR FLOW INSTALLATIONS

UNITS: DUCTED AIR COOLED SPLIT SYSTEMS
DUCTED WATER SOURCED PACKAGED SYSTEMS
DUCTED CHILLED WATER UNITS

We recommend the following steps be taken to reduce noise – particularly for high air flow installations:

1. Avoid installing units, with non-ducted return air, directly above spaces where noise is critical.
2. Use flexible connections between unit and rigid ducting.
3. Use generously sized acoustically lined ducts.
4. If generous duct size is not possible, use turning vanes on bends to reduce air turbulence (regenerated noise).
5. Use 90° bends in ducting to significantly assist in noise reduction.
6. Use a high density noise barrier (eg plaster board) between the unit and ceiling panel.
7. Use the recommended spring mounting system.

