

TO:

APPLICATIONS NOTICE

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DATE: 20 September 2014 FROM: T King/M Vlug

SUBJECT: RECOMMENDATIONS FOR NOISE ISOLATION

- PARTICULARLY FOR HIGH AIR FLOW INSTALLATIONS

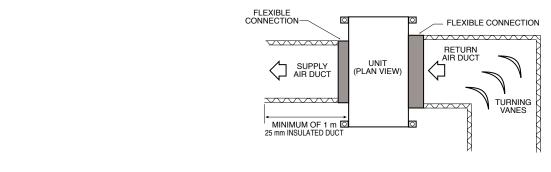
UNITS: DUCTED AIR COOLED SPLIT SYSTEMS

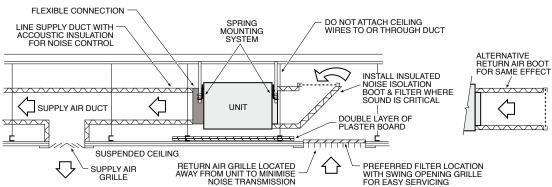
DUCTED WATER SOURCED PACKAGED SYSTEMS

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.





Form NS 006