RTU NOISE REDUCTION SYSTEM

HUSHCORE® *LOUVER™ HD* RTU Noise Reduction System:

a. Shall consist of HUSH DUCT™ Acoustical Silencers

  1. HUSH DUCT™ Acoustical Intake Silencers shall be constructed of galvanized steel outside skins with perforated galvanized steel "baffle" skins filled with acoustical insulation. The silencers shall be attached directly to the RTU frame with strategically placed structural angles at all intake air openings as required (all galvanized).

  2. The complete system shall meet RTU manufacturers published data pertaining to heat loss of compressors, condenser fan airflow, and ensure minimal "de-rating" of RTU performance. Total System Effect Pressure Drop shall not exceed 0.20 in.wg.

b. The complete system shall meet all environmental conditions such as temperature, wind, shrinkage, UV-rays, and moisture.

c. OEM Factory Acoustical Packages by the RTU Manufacturer are not acceptable.

d. Products and Systems shall be by BRD Noise and Vibration Control, Inc., Wind Gap, PA - (610) 863-6300, www.HUSHCORE.net.

ACOUSTICAL PERFORMANCE

a. To assure optimized aerodynamic and acoustic performance as well as proper integration and coordination of the final installation, the HUSHCORE® System shall be supplied by the RTU manufacturer as part of a complete package.

b. All Noise Control Materials Manufacturer's shall deliver a complete submittal of the HUSHCORE® System in compliance with the acoustical performance as listed in this specification. Please contact BRD Noise and Vibration Control, Inc. (610) 863-6300 for acoustical compliance and noise reductions as listed below for the applicable project.

  1. When operating at worst case noise conditions, the RTU with prescribed noise treatments shall not exceed [   ] dBA at a distance of [   ].

  2. RTU Sound Power (Lw), including the specified HUSHCORE® System, shall not exceed the following octave band sound levels:

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
Sound Power (Lw)	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

RTU NOISE CONTROL DETAIL