



CHILLER NOISE REDUCTION SYSTEM

HUSHCORE® **STANDARD™ CO** Chiller Noise Reduction System:

- a. Shall consist of HUSH COVER™ Removable Acoustical Blankets
 - 1. A composite of acoustical barriers and absorbers with a finished surface mass of 3 lbs. per sq. ft.
 - 2. Complete coverage of water cooled screw compressor and motor ONLY for the specified chiller.
 - 3. The covers shall be connected together by means of clothe straps with “D” rings and Velcro fasteners.
 - 4. Stainless steel wire tie fastening assemblies are not acceptable.
- b. The complete system shall meet chiller manufacturers published data pertaining to heat loss of compressors, condenser fan airflow, and ensure no “de-rating” of chiller performance.
- c. The complete system shall meet all environmental conditions such as temperature and moisture.
- d. OEM Factory Acoustical Packages by the Chiller Manufacturer are not acceptable.

Basis of Design: 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 chiller unit 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. Chiller 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) | [] | [] | [] | [] | [] | [] | [] | [] |