



CHILLER NOISE REDUCTION SYSTEM

HUSHCORE® **PREMIUM™ PLUS** Chiller Noise Reduction System:

- a. **PREMIUM™** System shall consist of HUSH FLEX™ Acoustical Curtain Composite Panels.
 1. The Curtain Panels shall be a composite of barriers and absorbers all quilted together with edge binding thread.
 2. The Acoustical Curtain Panels shall enclose the chiller on four (4) sides with a roof. The removable roof panels shall have a rigid core and a complete perimeter valance.
 3. The curtain system shall come complete with a framing support system and all necessary mounting hardware.
- b. **STANDARD™ SC** System shall consist of HUSH COVER™ Removable Acoustical Composite Wraps.
 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, motor and extended components (discharge/suction lines and oil separators) 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.
- c. 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.
- d. The complete system shall meet all environmental conditions such as temperature and moisture.
- e. 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)	[]	[]	[]	[]	[]	[]	[]	[]