

EXTREMEAIR[®] Hand Dryer Sound Levels

- American Hand Dryers - Operate at 63 to 71 dB (decibels) using a brushless motor.
- Other Hand Dryers - Operate at 78 to 80 dB using a brush motor.
- **EXTREMEAIR** Hand Dryers operate at 83 dB - similar to other manufacturers traditional brush motor dryers. However, the **EXTREMEAIR** is much more powerful.
- Sound Deflection - The high velocity air stream that dries hands in 10-15 seconds can increase sound levels when deflecting off the hands. Sound levels can increase to over 90dB if hands are too close to the air outlet and perpendicular to the air stream.
- OSHA regulations concerning sound levels state that persons exposed to a sound level of 90 dB *for a continuous 8-hour period*, or 95 dB *for a continuous 4-hour period*, might require ear protection.

Measuring Method

Sound is measured with a dryer mounted on a wall at the standard mounting height for adults using the A scale with slow response. The sound meter is placed in front of the dryer at a height of 5 feet (152 cm) from the floor and at 18 inches (46 cm) from the wall. The sound level is measured with no hands under the dryer and then measured with hands in the process of hand drying.