

1. Purpose of measurement

The Report consists of measurement results and calculations related to the device sound pressure and acoustic power.

2. Applicable legislative sources

CSN ISO 3744 Acoustics – Determination of sound power levels of noise sources using sound pressure – Engineering method in essentially free field over a reflecting plane

3. Measurement equipment applied

Measuring device	Serial number
SL - 2001	8010176

4. Definitions

4.1. Sound pressure

The sound pressure is a measure for sound energy emitted by noise source. It is expressed in dB (A). The value is related to one particular place / point (operator 'point, at the level 1.6 m).

If the sound pressure at the operator's point exceeds 80 dB (A), it is necessary to determine the acoustic power.

4.2. Acoustic power

The acoustic power is the noise intensity multiplied by the square area that is passed through by the noise of specific intensity; this area is perpendicular to the noise intensity vector. **Attention!** The acoustic power is the criterion of overall acoustic

4.3. Operator's point

The operator's point is the point where the operator is standing, facing the control panel installed on the machine distributor.

5. Conditions

5.1. Climatic conditions

Temperature	18	°C
Barometric pressure	982	hPa (adjustment to the air pressure –0.3 dB)
Relative humidity	28	%