

Important Notes for Chiller Package Calculations – Applicable Unless Otherwise Stated

1. L_w is Sound Power Level, dB re 10^{-12} W (1pW); L_p is Sound Pressure Level, dB re 2×10^{-5} Pa.
2. Propagation in accordance with 5-sided box (conformal surface) model, with chiller on reflecting plane in otherwise free field.
3. L_p measurement position 1.5m above surface upon which chiller stands (horizontal average).
4. For L_w criterion packages generally require extended discharge.
5. Data are derived from tests carried out in accordance with ISO3744 or ISO9614, and are therefore a logarithmic average around the machine. Individual points may be noisier or quieter.
6. Predicted octave band levels with the package fitted are provided for information only.
7. Source data are taken at face value, with no tolerance allowed.
8. The acoustic package insertion loss is frequency-dependent, therefore deviations from the stated octave-band levels of the source may affect the resultant dBA level predicted with the package fitted, *even if* the overall dBA value of the source is unchanged.
9. Acoustic base panels are required when the chiller is raised off the ground, or is not on a solid surface (e.g. grating).