

MCS 020 Noise Impact Assessment

6 Broughton Gardens, London, N6 5RS

1. Project Details

Field	Detail
Installation Address	6 Broughton Gardens, London, N6 5RS
Date of Calculation	18 June 2026
Heat Pumps Assessed	3 x NIBE 16kW ASHPs
Installation Location	South-eastern part of the garden

2. Assessment Position

Field	Detail
Assessment Position Description	No neighbours nearby; substantial private garden areas to the side and rear
Distance to Assessment Position	50 m

3. Calculation Inputs

Parameter	Value
Sound Power Level (per unit)	63 dB(A)
Number of Heat Pumps	3 (assessed cumulatively)
Directivity (Q)	Two reflective surfaces
Barrier Correction	No barrier / full view

Important: The noise assessment has been carried out on a cumulative basis, accounting for the combined sound output of all three NIBE 16kW ASHPs operating simultaneously. The calculated sound pressure level below represents the total noise contribution from all three units, not a single unit in isolation.

4. Assessment Result

Parameter	Value
Cumulative Sound Pressure Level (all 3 units)	28.8 dB(A)
Permitted Development Noise Limit (MCS 020)	37.0 dB(A)
Pass / Fail	PASS - 8.2 dB(A) below the limit

5. Summary

The cumulative noise level from the three NIBE 16kW ASHPs installed at the south-eastern part of the garden at 6 Broughton Gardens, London, N6 5RS has been assessed in accordance with MCS 020. The combined sound pressure level at the assessment position is 28.8 dB(A), which is comfortably below the permitted development noise limit of 37.0 dB(A). The installation therefore passes the MCS 020 noise assessment.

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