



2N° MITSUBISHI
PUZ-HWM140VHA
AIR-WATER HEAT PUMP UNITS
ON ANTI-VIBRATION BASE
MOUNTINGS
67dB(A) SOUND POWER LEVEL
(TO BS EN12102)
COMBINED SOUND POWER
LEVEL WITH BOTH UNITS
OPERATING: 70dB(A)

PROPERTY LINE:
N°9 BROAD STREET
NO WINDOWS INTO HABITABLE
ROOMS ON THIS WALL

NO. 9 BROAD STREET
(CARETAKER'S COTTAGE)

PROPERTY LINE:
SPALDING GENTLEMEN'S
SOCIETY

FULLY ENCLOSED PASSAGEWAY

SOLID WALL
WITH GATE

CLOSEST PROPERTY:
BROAD STREET
METHODIST CHURCH -
16m DISTANCE

CALCULATED RESULTANT NOISE
LEVEL AT BROAD STREET
METHODIST CHURCH
(SEE NOTES)
41dB(A)

CALCULATED RESULTANT NOISE
LEVEL AT SITE BOUNDARY
(SEE NOTES)
41dB(A)

COURTYARD
[GIA: 121.0m²]

DISTANCE TO SITE BOUNDARY - 20m
NOTE: NEIGHBOURING PROPERTIES
ALONG WESTLODGE STREET ARE
SHIELDED BY OTHER BUILDINGS
AND RESULTANT NOISE LEVELS
WILL BE LOWER THAN THOSE
CALCULATED AT THE SITE
BOUNDARY

- Notes:
- CALCULATED RESULTS ARE FROM MCS020 'PLANNING STANDARD' METHODOLOGY, USING:
 - A WEIGHTED SOUND POWER LEVELS FOR NORMAL OPERATION FROM MANUFACTURER DATA.
 - DIRECTIVITY TO ACCOUNT FOR SOLID WALLS SURROUNDING UNITS (ENCLOSED PASSAGEWAY).
 - DISTANCES MEASURED FROM SURVEY DRAWINGS.
 - ATTENUATION FROM FULL-HEIGHT SOLID BARRIERS, AS NOTED ON THE PLAN.
 - STANDARD BACKGROUND NOISE LEVEL OF 40dB(A)
 - RESULTANT BACKGROUND NOISE LEVEL BEING COMPLIANT BELOW 42dB(A).

Spalding Gentlemen's Society
**PROPOSED AIR SOURCE HEAT PUMP
OUTLINE NOISE ASSESSMENT**
(MCS020 PLANNING STANDARD METHODOLOGY)

DRAWING SCALE APPROX 1:100 @ A3

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