

No. 7 Warwick Court - Roof Plant Prediction

| | | | | | | | | | | |
|-------------------------------|------------------------|---|------|------|------|------|------|------|------|---------------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| Type: | Mitsubishi FDC112KXEN6 | Sound Pressure Levels @ 1m | 60.0 | 56.0 | 53.0 | 50.0 | 47.0 | 42.0 | 37.0 | 30.0 dB 62 |
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| | Mitsubishi FDC112KXEN6 | Sound Pressure Levels @ 1m | 60.0 | 56.0 | 53.0 | 50.0 | 47.0 | 42.0 | 37.0 | 30.0 dB 62 |
| | Mitsubishi FDC140KXEN6 | Sound Pressure Levels @ 1m | 58.0 | 56.0 | 51.0 | 51.0 | 49.0 | 43.0 | 39.0 | 33.0 dB 61 |
| | Mitsubishi FDC155KXEN6 | Sound Pressure Levels @ 1m | 58.0 | 56.0 | 51.0 | 51.0 | 49.0 | 43.0 | 39.0 | 33.0 dB 61 |
| | | A weighting | -26 | -16 | -9 | -3 | 0 | 1 | 1 | -1 dB |
| | | Resultant Combined SPL @ 1m | 40 | 46 | 50 | 53 | 54 | 50 | 45 | 39 59 dBA |
| | | Reverberation due to roof | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 dB |
| Distance to receptor (m) @ 1m | 4 | Reduction due to distance (20 log,R) | -12 | -12 | -12 | -12 | -12 | -12 | -12 | -12 dB |
| | | Screening affect of walls | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 dB |
| | | Angular Directivity | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 dB |
| | | Resultant SPL @ nearest window | 23 | 29 | 33 | 36 | 37 | 33 | 28 | 22 dBA 42 dBA |
| | | Resultant | 23 | 29 | 33 | 36 | 37 | 33 | 28 | 22 dBA 42 |
| | | Emtec LAAC15 Acoustic Louvre | 5 | 7 | 9 | 12 | 18 | 19 | 15 | 15 |
| | | Attenuated Resultant SPL @ nearest window | 18 | 22 | 24 | 24 | 19 | 14 | 13 | 7 dBA 29 dBA |