

Project:  
Nordex N175-6.8 MW

Licensed user:  
SIA Estonian, Latvian & Lithuanian environment  
Vilandes 3-6  
LV-1010 Riga  
0037167242411  
Kristiana / kristiana@environment.lv  
Calculated:  
04/04/2025 5:03 pm/4.0.547

DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW ST

Noise calculation model:  
Danish low frequency 2019  
Wind speed (at 10 m height):  
6.0 m/s - 8.0 m/s, step 2.0 m/s  
Terrain reduction:  
-1.5 dB(A) Onshore  
-3 dB(A) Offshore  
Meteorological coefficient, CO:  
Selected option: Fixed value: 0.0 dB  
Type of demand in calculation:  
1: WTG noise is compared to demand (DK, DE, SE, NL etc.)  
Noise values in calculation:  
All noise values are mean values (Lwa) (Normal)  
Pure tones:  
Pure tones penalty is added to total noise impact at receptors  
Noise sensitive area  
Height above ground level, when no value in NSA object:  
1.5 m; Don't allow override of model height with height from NSA object  
Uncertainty margin:  
0.0 dB; Uncertainty margin in NSA has priority  
Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:  
0.0 dB(A)  
Low frequency calculation

All coordinates are in  
Geo [deg]-WGS84

WTG: NORDEX N175/6.X 6800 175.0 !-!  
Noise: Nordex N175-6.8 MW ST

Source Source/Date Creator Edited  
28/06/2024 USER 12/03/2025 8:34 am

| Status                | Hub height<br>[m] | Wind speed<br>[m/s] | Low frequency data |                    |                    |                    |                    |                    |                 |                 |                 |                 |                 |      | 100.0<br>Hz<br>[dB] | 125.0<br>Hz<br>[dB] | 160.0<br>Hz<br>[dB] |
|-----------------------|-------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|---------------------|---------------------|---------------------|
|                       |                   |                     | LwA,ref            | 10.0<br>Hz<br>[dB] | 12.5<br>Hz<br>[dB] | 16.0<br>Hz<br>[dB] | 20.0<br>Hz<br>[dB] | 25.0<br>Hz<br>[dB] | 31.5 Hz<br>[dB] | 40.0 Hz<br>[dB] | 50.0 Hz<br>[dB] | 63.0 Hz<br>[dB] | 80.0 Hz<br>[dB] |      |                     |                     |                     |
|                       |                   |                     | [dB(A)]            | [dB]               | [dB]               | [dB]               | [dB]               | [dB]               | [dB]            | [dB]            | [dB]            | [dB]            | [dB]            |      |                     |                     |                     |
| From other hub height | 179.0             | 6.0                 | 97.4               | 59.1               | 63.9               | 68.5               | 71.8               | 75.2               | 77.1            | 78.3            | 80.3            | 84.6            | 87.3            | 88.9 | 91.5                | 93.5                |                     |
| From other hub height | 179.0             | 8.0                 | 97.4               | 59.1               | 63.9               | 68.5               | 71.8               | 75.2               | 77.1            | 78.3            | 80.3            | 84.6            | 87.3            | 88.9 | 91.5                | 93.5                |                     |

Noise sensitive area: 74440040026001 Alpi Noise sensitive point: Danish 2019 low frequency - Regular dwellings  
Predefined calculation standard: Regular dwellings  
Immission height(a.g.l.): Use standard value from calculation model  
Uncertainty margin: 0.0 dB  
No temporal binning  
Noise demand:  
6.0 [m/s] 8.0 [m/s]  
20.0 dB(A) 20.0 dB(A)

| No distance demand |         |         |         |         |         |         |         |         |         |          |          |          | dLsigma |  |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|--|
| 10.0 Hz            | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |         |  |
| [dB]               | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |         |  |
| 4.9                | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |         |  |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070002001 Straumes Noise sensitive point: Danish 2019 low frequency - Regular dwellings  
Predefined calculation standard: Regular dwellings  
Immission height(a.g.l.): Use standard value from calculation model  
Uncertainty margin: 0.0 dB  
No temporal binning  
Noise demand:  
6.0 [m/s] 8.0 [m/s]  
20.0 dB(A) 20.0 dB(A)

No distance demand

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

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## DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW ST

Pure tone penalty: 0 dB

Noise sensitive area: 74440070004001 Beikapi Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070017002 Atini Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070029001 Audzespieduri Noise sensitive point: Danish 2019 low frequency - Regular

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070036001 Pieduri Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

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## DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW ST

Noise sensitive area: 74440070044001 Salaskalni Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070045001 Licupes Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070051001 Senci Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070053001 Rogas Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

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## DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW ST

Noise sensitive area: 74440070054001 Duburi Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070059001 Zarini Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070062001 Oš i Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070067001 Vecbirznieki Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

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## DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW ST

Noise sensitive area: 74440070069001 Lejieš i Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070070001 Silini Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070072001 Zustreni Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070083001 Rukmuli Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Project:

Nordex N175-6.8 MW

Licensed user:

SIA Estonian, Latvian & Lithuanian environment

Vilandes 3-6

LV-1010 Riga

0037167242411

Kristiana / kristiana@environment.lv

Calculated:

04/04/2025 5:03 pm/4.0.547

## DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW ST

Noise sensitive area: 74440070085001 Plavinas Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070090001 Graši Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070096001 Pienenes Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070121001 Klavas Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Project:

Nordex N175-6.8 MW

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Vilandes 3-6

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Kristiana / kristiana@environment.lv

Calculated:

04/04/2025 5:03 pm/4.0.547

## DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW ST

Noise sensitive area: 74440070133001 Jaunstamuri Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070164001 Porini Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070177001 Zviedri Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070186001 Apseni Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Project:

Nordex N175-6.8 MW

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Vilandes 3-6

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Calculated:

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## DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW ST

Noise sensitive area: 74440070188001 Strautmali Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070195015 Kaspari Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070206001 Jaunbirznieki Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB

Noise sensitive area: 74440070252001 Jaunvilni Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB



Project:

Nordex N175-6.8 MW

Licensed user:

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Calculated:

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## DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW ST

Noise sensitive area: 74440070333001 Priež lejas Noise sensitive point: Danish 2019 low frequency - Regular dwellings

Predefined calculation standard: Regular dwellings

Immission height(a.g.l.): Use standard value from calculation model

Uncertainty margin: 0.0 dB

No temporal binning

Noise demand:

6.0 [m/s] 8.0 [m/s]

20.0 dB(A) 20.0 dB(A)

No distance demand

dLsigma

|         |         |         |         |         |         |         |         |         |         |          |          |          |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 10.0 Hz | 12.5 Hz | 16.0 Hz | 20.0 Hz | 25.0 Hz | 31.5 Hz | 40.0 Hz | 50.0 Hz | 63.0 Hz | 80.0 Hz | 100.0 Hz | 125.0 Hz | 160.0 Hz |
| [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]    | [dB]     | [dB]     | [dB]     |
| 4.9     | 5.9     | 4.6     | 6.6     | 8.4     | 10.8    | 11.4    | 13.0    | 16.6    | 19.7    | 21.2     | 20.2     | 21.2     |

Pure tone penalty: 0 dB