

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 5:07 pm/4.0.547

DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW STE

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 STE

Source Source/Date Creator Edited
28/06/2024 USER 28/06/2024 8:53 am

Status	Hub height [m]	Wind speed [m/s]	LwA,ref [dB(A)]	Low frequency data												100.0 Hz [dB]	125.0 Hz [dB]	160.0 Hz [dB]
				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					
				[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]					
				[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

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
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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Calculation: Nordex N175 - 6.8 MW STE

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]
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Pure tone penalty: 0 dB

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DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW STE

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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Calculation: Nordex N175 - 6.8 MW STE

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 STE

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

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Calculation: Nordex N175 - 6.8 MW STE

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

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DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW STE

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

Licensed user:

SIA Estonian, Latvian & Lithuanian environment

Vilandes 3-6

LV-1010 Riga

0037167242411

Kristiana / kristiana@environment.lv

Calculated:

04/04/2025 5:07 pm/4.0.547

DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW STE

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

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SIA Estonian, Latvian & Lithuanian environment

Vilandes 3-6

LV-1010 Riga

0037167242411

Kristiana / kristiana@environment.lv

Calculated:

04/04/2025 5:07 pm/4.0.547

DECIBEL - Assumptions for noise calculation

Calculation: Nordex N175 - 6.8 MW STE

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