

Project:  
Vestas V162-6.2 MW

Licensed user:  
SIA Estonian, Latvian & Lithuanian environment  
Vilandes 3-6  
LV-1010 Riga  
0037167242411  
Kristiana / kristiana@environment.lv  
Calculated:  
04/04/2025 5:23 pm/4.0.547

DECIBEL - Assumptions for noise calculation

Calculation: Vestas V162-6.2 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: VESTAS V162-6.2 6200 162.0 !O!  
Noise: Vestas V162-6.2 STE

Source Source/Date Creator Edited  
Tehniska specifikacija 28/05/2024 USER 28/05/2024 11:50 am

Status	Low frequency data															
	Hub height	Wind speed	LwA,ref	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
	[m]	[m/s]	[dB(A)]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
From other hub height	166.0	6.0	95.2	39.8	45.9	51.6	56.9	62.2	67.2	72.2	77.1	81.1	84.3	87.1	89.5	91.6
From other hub height	166.0	8.0	95.3	40.8	46.8	52.3	57.5	62.8	67.7	72.6	77.4	81.4	84.5	87.2	89.6	91.7

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  
[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

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## DECIBEL - Assumptions for noise calculation

Calculation: Vestas V162-6.2 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]
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: Vestas V162-6.2 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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## DECIBEL - Assumptions for noise calculation

Calculation: Vestas V162-6.2 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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04/04/2025 5:23 pm/4.0.547

## DECIBEL - Assumptions for noise calculation

Calculation: Vestas V162-6.2 MW STE

Noise sensitive area: 74440070069001 Lejies 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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## DECIBEL - Assumptions for noise calculation

Calculation: Vestas V162-6.2 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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Kristiana / kristiana@environment.lv

Calculated:

04/04/2025 5:23 pm/4.0.547

## DECIBEL - Assumptions for noise calculation

Calculation: Vestas V162-6.2 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:

Vestas V162-6.2 MW

Licensed user:

SIA Estonian, Latvian & Lithuanian environment

Vilandes 3-6

LV-1010 Riga

0037167242411

Kristiana / kristiana@environment.lv

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## DECIBEL - Assumptions for noise calculation

Calculation: Vestas V162-6.2 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:

Vestas V162-6.2 MW

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## DECIBEL - Assumptions for noise calculation

Calculation: Vestas V162-6.2 MW STE

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

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