

Project:

Valka Siemens Gamesa SG170-7.0 MW

Licensed user:

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Calculated:

12/02/2026 6:07 pm/4.2.285

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

Noise calculation model:

Danish low frequency 2024

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: Siemens Gamesa SG 7.0-170 7000 170.0 !O!

Noise: AM 0 - 2025

Source Source/Date Creator Edited
Manufacturer 22/07/2025 EMD 02/10/2025 1:21 pm
Rev. 1

Status	Low frequency data															
	Hub	Wind	LwA,ref	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0	100.0	125.0	160.0
	height	speed		Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz
	[m]	[m/s]	[dB(A)]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
Generic data based on turbine power (very uncertain)	165.0	6.0	92.9	50.8	54.5	58.6	62.3	66.2	69.7	74.0	77.6	80.5	82.5	84.4	88.5	87.5
Generic data based on turbine power (very uncertain)	165.0	8.0	95.2	50.2	54.4	59.0	63.2	67.7	71.5	76.1	80.7	83.6	85.8	87.6	90.2	89.5

Noise sensitive area: 94010030212001 Purva iela 9 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: 94010030213001 Purva iela 7 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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94010030214001 Darza iela 19 Noise sensitive point: Danish 2019 low frequency - Regular d

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: 94010030215001 Darza iela 17 Noise sensitive point: Danish 2019 low frequency - Regular d

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: 94010030334001 Darza iela 20A 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: 94010030335001 Darza iela 22 Noise sensitive point: Danish 2019 low frequency - Regular d

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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94010030336001 Purva iela 5 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

Noise sensitive area: 94010040221001 Rigas iela 90 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

Noise sensitive area: 94010040224001 Indranu iela 5 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

Noise sensitive area: 94880090006001 Lejas Gerki 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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880090010001 Liepkalni 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: 94880090011001 Kalngerki 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: 94880090014001 Lukstini 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: 94880090014002 Lukstini 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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880090023001 Gerki 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: 94880090025001 Ausekli 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: 94880090027001 Saulieš 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: 94880090028001 Vanagi 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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880090035001 Dzelzcelš 162. km Noise sensitive point: Danish 2019 low frequency - Reg

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: 94880090057001 Pilenieš i Noise sensitive point: Danish 2019 low frequency - Regular dwel

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: 94880090062001 Kalnstaldoti Noise sensitive point: Danish 2019 low frequency - Regular dv

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: 94880090063001 Jaunzemes 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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880090104001 Staldoti 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: 94880090120001 Ozolkalni 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: 94880090122001 Jauntilgali 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: 94880090209001 Gailenes 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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100009001 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: 94880100013001 Pinas 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: 94880100013016 Saulites 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: 94880100013018 Gaisini 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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100025001 Zemgali 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: 94880100029001 Dravas 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: 94880100052001 Veverzemnieki 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: 94880100053001 Vecrubeni 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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100053007 Rubeni Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100096001 Zemdegas Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100118001 Maja 20 Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100123001 Maja 20 Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100148001 Dumini Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100154001 Zveru ferma Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100169001 Riekstini Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100184001 Sietini Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100185001 Bajari Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100186001 Ritass 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: 94880100187001 Zeltini Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100188001 Kristali Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100189001 Kastanas Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100193001 Gravas Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100194001 Noras Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100195001 Viteni Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100196001 Latini Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100197001 Dzeni Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100199001 Zemites Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100213001 Malkalni Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100214001 Lati 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: 94880100216001 Rudziš 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: 94880100217001 Livas 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: 94880100218001 Plumes 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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100219001 Kirš 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: 94880100220001 Medini Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100221001 Niedras Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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: 94880100222001 Taigas Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100228001 Mež vini 2 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: 94880100229001 Mež vini 1 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: 94880100254001 Maja 22 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: 94880100255001 Sedaskalni 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

Project:

Valka Siemens Gamesa SG170-7.0 MW

Licensed user:

SIA Estonian, Latvian & Lithuanian
environment
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Calculated:

12/02/2026 6:07 pm/4.2.285

DECIBEL - Assumptions for noise calculation

Calculation: Siemens Gamesa SG170-7.0 MW ST

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: 94880100259001 Seli Maja 18 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: 94880100314001 Vidini Noise sensitive point: Danish 2019 low frequency - Regular dwelling

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