



GB 3096 2008

GB 3096 93 GB T 14623 93

Environmental quality standard for noise

GB 3096-93

GB T 14623-93

—
—
—
—

4

1982

1993

GB 3096-93

GB T 14623-93

A

B

C

2008 7 30

2008 10 1

%

&

GB 3785

GB T 15173

GB T 15190

GB T 17181

GB T 50280

JTG B01

,

' "%

A A-weighted sound pressure level

A L_A dB A

' "&

equivalent continuous A-weighted sound pressure level

A T A $L_{Aeq,T}$ L_{eq}

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dB A

$$L_{eq} = 10 \lg \left(\frac{1}{T} \int_0^T 10^{0.1 L_A} dt \right)$$

L_A — t A

T —

...

day-time equivalent sound level

night-time equivalent sound level

A

L_d

dB A

A

L_n

dB A

' "

day-time

night-time

"

"

6:00

22:00

"

"

22:00

6:00

' ")

maximum sound level

A

L_{max}

dB A

' " *

percentile sound level

A

L_N

dB A

L_{10}

L_{50}

L_{90}

L_{10} —

10

A

L_{50} —

50

A

L_{90} —

90

A

L_N N

' "+

city urban planning area

' ",

rural area

' " _

traffic artery

A

' "%\$

noise-sensitive buildings

' "%%

burst noise

(

0

1

2

3

4

4a

4b

4a

4b

)

5.1

1

%

dB A

/			
0		50	40
1		55	45
2		60	50
3		65	55
4	4a	70	55
	4b	70	60

5.2 1 4b

2011 1 1

5.3

70dB A

55dB A

a

b

2010 12 31

5.4

15 dB A

*

6.1

2 2

GB

3785 GB T 17181

0.5 dB

GB T 15173 1 2

6.2

a

3.5 m

6.4

B C

6.5

a

b

c

d

e

f

g

h

+

7.1

GB T 15190

0 1 2 3 4

7.2

a 0

b 1

4 2

c 2

d

3

e

GB T 15190 8.3

4

5" %

5" &

JTG B01

25000 55000

45000 80000

60000 100000

5" '

JTG B01

15000 30000

25000 55000

5" (

JTG B01

5000 15000

5")

GB T 50280

5" *

5' +

5' ,

5' -

6

6" %

6" &

6" &" %

1

0 1 2 3

4

4

24

L_{eq} L_d L_n

L_{max}

L_{10} L_{50} L_{90}

6" &" &

L_d

L_n

6" &" '

6''

6'' '' % \$'

6'' '' %''%

100

22:00 24:00

10min

L_{eq}

6'' '' %' &

10min

L_{eq}

6'' '' & (

6'' '' &' %

4

4

4

1

L_{eq}

L_{max}

L_{10}

L_{50} L_{90}

1

20min

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20min

6" " & &

4

7

7" %

7" &