DIN EN 1501-4:2023-07 (E)

Refuse collection vehicles - General requirements and safety requirements - Part 4: Noise test code for refuse collection vehicles

Contents

Page

European foreword 3

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 7

4 Determination of the A-weighted emission sound pressure level(s) at working station(s) 8
4.1 General 8
4.2 Measurement positions 8
4.2.1 Working station(s) outside the cab 8
4.2.2 Working station(s) in the cab 9

5 Determination of the A-weighted sound power level 10
5.1 General 10
5.2 Travel cycle 10
5.2.1 Travel path 10
5.2.2 Measuring path 11
5.3 Microphone positions 12

6 Installation and operating conditions 14
6.1 Installation conditions 14
6.2 Operating conditions 14
6.2.1 General operating conditions 14
6.2.2 Specific operating conditions for the emission sound pressure level(s) at working station(s) measurement 15
6.2.3 Specific operating conditions for the sound power level measurement 15

7 Measurement uncertainties 16
7.1 Measurement of emission sound pressure level(s) at working station(s) 16
7.2 Measurement of sound power level 16

8 Information to be recorded and reported 16

9 Information for use, noise emission declaration and labelling 17
9.1 Information for use including noise emission declaration and sales literature 17
9.2 Labelling 18

Annex A (informative) Test report form 19

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC 22

Bibliography 23