DIN EN ISO 5395-3:2018-09 (E)

Garden equipment - Safety requirements for combustion-engine-powered lawnmowers - Part 3: Ride-on lawnmowers with seated operator (ISO 5395-3:2013 + Amd 1:2017, Corrected Version 2017-03 + Amd 2:2017)

Contents

Page

European foreword ... 4

[A1] European foreword to Amendment A1 ... 5

[A2] European foreword to Amendment A2 ... 6

Annex ZA (informative) [A2] Relationship between this European standard and the Essential Requirements of EU Directive 2006/42/EC amended by Directive 2009/127/EC aimed to be covered ... 7

Introduction ... 8

1 Scope ... 9

2 Normative references ... 9

3 Terms and definitions ... 10

4 Requirements for ride-on lawnmowers ... 10
4.1 General ... 10
4.2 Controls ... 10
4.3 Operator Presence Control (OPC) ... 14
4.4 Brakes ... 14
4.5 Guards ... 17
4.6 Stability ... 20
4.7 Rollover protective structure (ROPS) ... 21
4.8 Seat belts ... 21
4.9 Seats and foot rests ... 21
4.10 Transport position of the cutting-means assembly ... 22
4.11 Separate fan for grass collection ... 23
4.12 Hot surfaces ... 23
4.13 Exhaust fumes ... 23
4.14 Pressurized hoses of hydraulic systems ... 24
4.15 Liquid spillage ... 24
4.16 Electrical system ... 24
4.17 Electromagnetic immunity ... 25
4.18 Noise ... 25
4.19 Vibration ... 26

5 Particular requirements for ride-on rotary lawnmowers ... 26
5.1 Cutting means ... 26
5.2 Impact of the cutting means ... 28
5.3 Cutting-means enclosure ... 28
5.4 Structural integrity ... 32
5.5 Thrown objects ... 32
5.6 Grass catchers ... 33

6 Particular requirements for ride-on cylinder lawnmowers ... 33
6.1 Cutting-means enclosure ... 33
6.2 Throw line ... 36
6.3 Stopping time of the cutting means ... 36

7 Information for use 36
7.1 Instruction handbook 36
7.2 Markings and warnings 39
Annex A (normative) Ride-on lawnmower stability test 42
Annex B (normative) Determination of contact with moving power-driven components 45
Annex C (informative) List of significant hazards 50
Bibliography 52