DIN EN ISO 8437-3:2023-11 (E)

Snow throwers - Safety requirements and test procedures - Part 3: Ride-on snow throwers (ISO 8437-3:2019)

Contents

Page

European foreword ... **4**

Foreword ... **5**

Introduction ... **6**

1 Scope ... **7**

2 Normative references ... **7**

3 Terms and definitions ... **8**

4 Snow thrower safety requirements and test procedures ... **8**
4.1 General ... 8
4.2 Controls ... 8
4.2.1 General ... 8
4.2.2 Engine stopping and starting ... 11
4.2.3 Collector and impeller control ... 12
4.2.4 Directional control ... 13
4.2.5 Clutch control requirements for traction clutch or neutral, or both ... 13
4.2.6 Traction speed control ... 14
4.2.7 Steering control ... 15
4.2.8 Operator-presence control (OPC) ... 16
4.3 Guards, shields, chutes, deflectors and housings ... 16
4.3.1 General ... 16
4.3.2 Hot surfaces ... 19
4.3.3 Engine exhaust ... 19
4.4 Fuel ... 19
4.4.1 Fuel tank overfill test ... 19
4.4.2 Fuel line axial pull test ... 19
4.5 Electrical equipment: battery-powered circuits (not including magneto grounding circuits) ... 20
4.5.1 Insulated cables ... 20
4.5.2 Battery installation ... 20
4.5.3 Overload protection ... 20
4.5.4 Terminals and non-insulated electrical parts ... 20
4.6 Power drive ... 20
4.7 Probe test ... 20
4.7.1 Test procedure ... 20
4.7.2 Test acceptance ... 21
4.8 Electromagnetic immunity ... 21
4.9 Noise ... 21
4.10 Vibration ... 21

5 Instructions for use ... **22**
5.1 Instruction handbook ... 22
5.2 Markings ... 22
5.3 Warnings ... 22

6 Ride–on machines with snow thrower attachment: specific requirements ... **22**
6.1 Service brake ... 22
6.1.1 Requirements ... 22
6.1.2 Test procedure ... 22

6.1.3 Service brake strength requirements 23
6.2 Parking brake 23
6.2.1 Requirements 23
6.2.2 Test procedure 24
6.3 Stability 24
6.3.1 Requirements 24
6.3.2 Test procedure 25
6.3.3 Test acceptance 25
Annex A (normative) **Instruction handbook** **26**
Bibliography **29**