

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