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AMENDMENT 2
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Garden equipment — Safety requirements for combustion-engine-powered lawnmowers —

Part 3: Ride-on lawnmowers with seated operator

AMENDMENT 2: Cutting means enclosure guards

Matériel de jardinage — Exigences de sécurité pour les tondeuses à gazon à moteur à combustion interne —

Partie 3: Tondeuses à gazon à conducteur assis

AMENDEMENT 2: Enceintes de protection des organes de coupe

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This document was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 13, *Powered lawn and garden equipment*.

A list of all parts in the ISO 5395 series can be found on the ISO website.

Garden equipment — Safety requirements for combustion-engine-powered lawnmowers —

Part 3: Ride-on lawnmowers with seated operator

AMENDMENT 2: Cutting means enclosure guards

Clause 2

Replace ISO 14119:1998 with the following:

ISO 14119:2013, *Safety of machinery — Interlocking devices associated with guards — Principles for design and selection*

4.5.1

Replace the subclause with the following:

4.5.1 Opening or detaching of guards

NOTE The provisions of 4.5.1 are mandatory only when required by regional regulations.

The opening or detaching of guards shall require the use of a tool except for the following:

a) interlocked guards, in accordance with ISO 14119, which shall prevent access before the moving parts have come to a complete stop. While the hazardous part is exposed, it shall not be possible to apply power to it;

b) automatically closing guards for side-located grass discharge openings in the cutting-means enclosure, which shall cover the opening when the side discharge chute is not fitted. Such guards shall be equipped with a locking mechanism to prevent inadvertent access and be in accordance with the following:

   1) opening shall require a distinct action to unlock the guard prior to a second action to open the guard;

   2) when released from the position necessary to remove the adapter or discharge chute, the guard shall automatically return to a closed and locked position to prevent access to the cutting means;

   3) the automatically closing side discharge guard shall be a part of the cutting means enclosure;

   4) when in the locked position, a force of 20 N applied to the guard at the most unfavourable position shall not result in the release of the guard from its locked state;

c) automatically closing guards for grass discharge chutes. Such a guard shall remain in its operating position when

   1) the lawnmower is operated on the coconut matting of ISO 5395-1:2013, E.6,

   2) the cutting means are engaged and operated at maximum operating engine speed, and

   3) the cutting means are adjusted to the lowest and highest cutting positions;

d) engine compartment access of machines where the operator presence control stops the engine.

Fixed guards shall be fixed by systems that can be opened or removed only with tools. A fixed guard that has to be removed as a part of maintenance procedures, as described in the instruction handbook, shall be retained by a fixing system that shall remain attached to the guard or to the machinery when the guard is removed.

Where possible, fixed guards shall be incapable of remaining in place without their fixings.

Compliance shall be checked by inspection, functional test and measurement.

4.6.2

Replace the subclause with the following:

4.6.2 Zero-turn lawnmowers with mid-mounted cutting means

All lawnmowers with zero-turn capability and a mid-mounted cutting-means assembly and equipped with ROPS shall have a lateral stability of at least 20° and a longitudinal stability of at least 25°.

Compliance shall be checked by functional test in accordance with Annex A.

7.1.2

Replace the subclause with the following:

7.1.2 Technical data

The instruction handbook shall give at least the following technical information for each lawnmower model, where required to be declared.

NOTE The provision of this information is mandatory only when required by regional regulations.

Nominal power	kW
Maximum operating engine speed (rotational frequency)	min^{-1}
Machine mass with empty fuel tanks and in normal operating configuration	kg
Cutting width	cm
Equivalent A-weighted emission sound pressure level at the operator position, determined in accordance with ISO 5395-1:2013, Annex F	dB (A)
— together with the measurement uncertainty	dB (A)
A-weighted sound power level, determined in accordance with ISO 5395-1:2013, Annex F	dB (A)
— together with the measurement uncertainty	dB (A)
For hand-arm vibrations, the highest equivalent vibration total value for the handles or hand positions determined in accordance with ISO 5395-1, Annex G	m/s^2