# ISO 13105-2:2023-10 (E)

## Building construction machinery and equipment - Machinery for concrete surface floating and finishing - Part 2: Safety requirements and verification

## Contents

Page


**Foreword** ... **iv**

**Introduction** ... **v**

**1 Scope** ... **1**

**2 Normative references** ... **1**

**3 Terms and definitions** ... **2**

**4 Safety requirements and/or protective/risk reduction measures** ... **2**

4.1 Overview ... 2

4.2 General requirements for all machines ... 2

4.2.1 Guarding of the rotating blades ... 2

4.2.2 Blade guarding device ground clearance ... 3

4.2.3 Blade pitch adjustment ... 3

4.2.4 Electrical devices ... 3

4.2.5 Hot parts ... 4

4.2.6 Operator exposure to harmful gases ... 4

4.2.7 Securing of machine parts ... 4

4.2.8 Means for lifting ... 4

4.2.9 Provisions for securing during transport ... 4

4.2.10 Noise reduction ... 4

4.2.11 Vibration reduction ... 4

4.2.12 Electromagnetic compatibility (EMC) ... 5

4.3 Safety requirements for pedestrian-controlled machines ... 5

4.3.1 Handle ... 5

4.3.2 Unintentional starting of blades ... 5

4.3.3 Hand operated starting devices ... 5

4.4 Safety requirements for ride-on machines ... 6

4.4.1 Controls ... 6

4.4.2 Hydraulic system (if equipped) ... 6

4.4.3 Pneumatic system (if equipped) ... 6

**5 Verification of safety requirements and/or protective/risk reduction measures** ... **6**

**6 Information for use** ... **7**

6.1 Operator's manual ... 7

6.1.1 General ... 7

6.1.2 Content ... 7

6.2 Safety and instructional signs ... 8

6.3 Marking ... 8

6.3.1 General ... 8

6.3.2 Marking of lifting points and devices ... 8

6.3.3 Marking of securing points on the machine for transport ... 9

**Annex A** (normative) **Noise and vibration tests** ... **10**

**Annex B** (informative) **List of significant hazards** ... **14**

**Annex C** (normative) **Power trowel dimensions in operating mode** ... **16**

**Bibliography** ... **18**