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**Vertical lifting platforms for persons with impaired mobility
(English Translation)**

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Foreword

This standard Chapter 1, Chapter 2, Chapter 3, Appendix A, to Appendix B, appendix C, Appendix D, Appendix E, and Appendix G 4.12,5.2.2, 8.13.3,8.13.4,10.2.4.1 Chou), 11.2,13.1 with the content "should" words are recommended, the rest are mandatory.

This Standard is a modified ISO 9386-1:2000 "power mobility safety personnel lifting platform, size and operating functions regulation Fan Part 1. Vertical lifting platforms "(in English).

For ease of use, the standard ISO 9386-1:2000, the following editorial changes made.

--- The standard introduction to delete the ISO 9386-1:2000 Introduction The content unrelated to the standard because of its presence or absence of the standard no effect on the understanding and use.

--- In this standard "Normative References" instead of using the national standard ISO 9386-1:2000's "normative references" in the pair Corresponding foreign standards.

--- This standard deleted ISO 9386-1:2000 Terms and definitions "3.13 drivingrack drive rack", "3.18 fol-stroke associated low-through "and" 3 3.51 toothedbelt toothed belt term "because they did not appear in the text.

--- In the standard "reference" replaced by national standards ISO 9386-1:2000 in the "Reference" in the corresponding foreign standard.

This standard ISO 9386-1:2000 following technical amendments made, these technical differences identified in a single vertical line with which they relate the terms of the margin.

--- Chapter 3 of this standard is defined in terms of the increase in the maximum working load 3.55 Maximumworkingload, to account for overloading Case.

--- ISO 9386-1:2000 in 4.8 "rated load carrier according to the net area of at least 210kg/m²", this standard with "nominal carrier the net weight of the bearing area of at least 250kg/m² "instead, because the use of electric wheelchair may occur platform overload Case, therefore reference GB/T 21739-2008 and prEN81-41.2008 the relevant provisions were modified.

--- standard reference GB/T 21739-2008 in ISO 9386-1. increased load control provisions 4.8 2000. "When the load Greater than 110% of rated load, overload think. ", Employed to design maximum working load carrying capacity and the corresponding test Load, in order to guarantee safety and control platform load.

--- ISO 9386-1. 4.12 Design "motor, the contact means and control means 2000 should meet the electromagnetic interference suppressing statutory Claim. However, the need to give adequate suppression of components should not be used in any part of the circuit, because the malfunction Cause an unsafe condition. "The standard of" Electromagnetic compatibility should meet the EN12015 and EN12016 "instead, in order to improve Operability, as well as GB/T 21739-2008 standard uniform waiting for the elevator.

--- ISO 9386-1:2000 in 7.4.2 of "root diameter, said rope reel and the hanging ropes well diameter ratio of not less than 21", this standard Permitted "said pitch circle diameter of the roll diameter and the ratio of the suspension ropes well not less than 25" in place; ISO 9386-1:2000 7.4.3 "rope pulley groove bottom diameter of the suspension rope ratio of the nominal diameter of not less than 21", with the present standard "pitch circle diameter of the roll the suspension rope ratio of nominal diameter not less than 25 "instead of present standard reference prEN81-41.2008 and GB/T 21739-2008 has been modified in order to increase the service life of wire rope and safety.

--- This standard deleted ISO 9386-1:2000 "7.8 with guide ropes of beads driving additional requirements", "7.9 worm - fan Shaped worm drive additional requirements ", " 7.11 Additional requirements for driving the guide chain, "and" 7.12 roller guide link with a carrier

Additional requirements of the drive member and the carrier "four kinds of driving method, and the terms corresponding thereto, since the four kinds of driving method not suitable for China's national conditions, and in recent years, developed countries (regions) are also no longer used.

--- This standard 9386-1 ISO . increased "D) minimum bend radius" 2000 7.14.3 content, since the hose is fixed to Seeking the minimum bending radius of the bending radius of the maker out.

--- ISO 9386-1:2000 in 9.1.2.1b) of the "self-closing, but in the fully open position of the steady-state", this standard with "Auto Off close. If the following conditions are met, allowing the landing door remains open. 1) When the landing door helps fire rating of the building, floor door Automatically closed under the excitation of a fire management system; 2) when there is likely to leave the landing platform at an unsupervised layer the door will automatically close. "Instead of standard reference prEN81-41.2008 has been modified to increase the gate region layer Safety.

--- This standard in ISO 9386-1:2000, an increase of 13.10 "landing door unlock key" to reduce the risks associated with emergency unlocking.

--- This increases prEN81-41 in standard references 2008 "elevator manufacturing and installation used for carrying cargo and passenger safety norms Laid Special elevator Part 41. Vertical lifting platforms used by persons with reduced mobility "and GB/T 21739-2008" Home elevator system Building and installation specifications. " Appendix F of this standard is normative, Appendix A, to Appendix B, appendix C, Appendix D, Appendix E, Appendix G is an information appendix.

This standard is proposed and managed by the National Elevator Standardization Technical Committee (SAC/TC196).

This standard is drafted. Suzhou southeast elevator (Group) Co., Ltd.

It participated in the drafting of this standard. China Academy of Building Research Construction Mechanization Research Branch, Hangzhou gifted Snyder Elevator Parts Co., Ltd., Shanghai Mitsubishi Elevator Co., Ltd., ThyssenKrupp Elevator Home (Shanghai) Co., Ltd., Shanghai Special Equipment Supervision and Inspection Institute of Technology, Shenyang Brilliant Elevator Co., Ltd.

Introduction

The standard size of the mounting position of the control means and the vertical lifting platforms and other components were prescribed to people with reduced mobility meet the actual needs of members, and in line with JGJ50-2001 "urban roads and buildings barrier-free design" requirements.

Comply with this standard the lifting platform can be run at + 5 °C ~ + 40 °C indoor

environment. If installed outdoors, the need to comply with Other additional requirements.

Assuming that the lifting platform parts with good maintenance and to maintain a normal working condition, despite the wear and tear and still meet the requirements.

Meet the requirements of this standard lifting platform for persons with reduced mobility to safely use a separate, if not used independently, but also in others Association Aid under use. When the equipment is installed in a private place, use of personnel should be able to grasp the essentials of the lifting platform and operating in line A. 4 requirements. When set when preparation for installation in public places, or operating instructions should be provided assistance. Guide to the selection and purchase of the applicable lifting platforms See Appendix A.

The examples in this design standard for ease of illustration mentioned, not as the only, if there are other programs can achieve this standard to safety Sum equivalent operating results, also consider using.

This standard does not specify the general technical requirements for electrical, mechanical or architectural structure.

This standard specifies the materials and equipment requirements to be met in order to achieve the safety requirements and operating functions.

This standard also specifies preventing apparatus installed outdoors adversely affected requirements.

With reduced mobility to use vertical lift platform Range 1 1.1 standard provides for the use of persons with reduced mobility (wheelchair can stand or car, can also be accompanied by someone or unaccompanied), a permanent Security Power drive means security guidelines vertical lifting platform, size and functionality.

1.2 This standard specifies the requirements of the lifting platform below.

- a) is mounted in a closed hoistway;
- b) design or installation site to allow their use in a non-closed hoistway.

1.3 This standard applies to the following lifting platform.

- a) runs between the fixed floor;
- b) mounting within the hoistway is not closed and does not run through the floor lifting platform.
 - 1) lifting height is no greater than 2M;
 - 2) in private homes, lifting height of not more than 4m.
- c) attached to the lifting platform in the closed hoistway, lifting height is no greater than 4M;