## ISO 8100-32:2020 (E)

Lifts for the transportation of persons and goods — Part 32: Planning and selection of passenger lifts to be installed in office, hotel and residential buildings

## **Contents**

		Foreword	
Introdu		Introduction	
1		Scope	
2		Normative references	
3		Terms and definitions	
4		Symbols and abbreviated terms	
5		Use of this document	
	5.1	Overview	
	5.2	Design process	
	5.3	Selection of analysis method	
	5.4	Selection of design criteria	
	5.4.1	<del>-</del>	
	5.4.2		
	5.4.3		
	5.4.4	<del>-</del>	
	5.5	Initial lift configuration	
6	Basic, derived and assumed data		
	6.1	Basic and derived data for calculation and simulation methods	
	6.2	Building data	
	6.3	Determining the population	
	6.3.1		
	6.3.2		
	6.3.3	<b>9</b>	
	6.3.4		
	6.4	Passenger data	
	6.5	Lift data	
	6.5.1		
	6.5.2		
	6.5.3	•	
	6.5.4		
7		Calculation method	
	7.1	Uppeak equations	
	7.2 Lift selection graphs		
8		Simulation method	
	8.1	Basis of the method	
	8.2	Series of simulations	
	8.3	Simulation requirements	
_	8.4	Evaluation and review of simulation results	
9		Reporting	
	9.1	General	
	9.2	Authorship data	
	9.3	Information related to the building	

9.4 9.5 9.6 9.7	Design criteria Data related to lift installation Calculated lift performance output data Simulated output data
Annex A	(informative) Selection of rated load and available car area
A.1 A.2	Selection table Selection examples
Annex B	(informative) Speed selection
Annex C	(informative) Lift selection charts
C.1 C.2 C.3 C.4 C.5 C.6	Assumptions made in selection charts Examples using Figures C.1 to C.4 for the selection of rated load Passenger lift selection for residential buildings Passenger lift selection for hotels Passenger lift selection for office buildings (floor-to-floor height 3,3 m) Passenger lift selection for office buildings (floor-to-floor height 4,0 m)
Annex D	(informative) Example of calculation method and report
D.1 D.2 D.3 D.4 D.5 D.6	Method Given data (see the building form in D.6) Further data and assumptions Calculation Selection of number of lifts Determination of rated load and available car area
Annex E	(informative) Example of simulation method and report
E.1 E.2 E.3 E.4	Selected traffic mixes Type of building: Office building Further data Determination of rated load and available car area
Annex F	(informative) Building data form
Annex G	(informative) Flow chart of design process

Page count: 47