
International Standard



4190/3

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Passenger lift installations — Part 3 : Service lifts class V

Installation d'ascenseurs — Partie 3 : Monte-charge classe V

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Descriptors : lifts, goods lifts, characteristics, dimensions.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4190/3 was developed by Technical Committee ISO/TC 178, *Lifts, escalators, passenger conveyors*, and was circulated to the member bodies in November 1980.

It has been approved by the member bodies of the following countries :

Austria	Germany, F. R.	Romania
Belgium	Hungary	South Africa, Rep. of
Brazil	Iraq	Spain
Canada	Italy	Sweden
Czechoslovakia	Korea, Dem. P. Rep. of	Switzerland
Denmark	Mexico	Thailand
Finland	Netherlands	
France	Poland	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

United Kingdom
USA
USSR

Passenger lift installations — Part 3 : Service lifts class V

1 Scope and field of application

This International Standard lays down the necessary dimensions to allow the installation of service lifts of class V, defined in clause 3 and which are recommended for current use.

2 Reference

ISO 4190/1, *Passenger lift installation — Part 1 : Lifts of classes I, II and III.*

3 Definitions

The definitions given in ISO 4190/1 are applicable. As a memory aid, one of those definitions is repeated below.

“service lift : A permanent lifting appliance serving defined landing levels, comprising a car, the interior of which is inaccessible to persons on account of its dimensions and means of construction, running at least partially between rigid guides which are vertical or whose inclination to the vertical is less than 15°.”

4 Characteristics

4.1 Characteristics

The characteristics of service lifts of class V recommended for current use are the following :

- rated load (mass) in kilograms : 40 — 100 — 250
- rated speed in metres per second : 0,25 — 0,40

4.2 Dimensions

The following table gives the car dimensions of service lifts of class V with one entrance door and the horizontal section dimensions of the well to allow their installation (functional dimensions).

Table

Rated load (mass)				kg	40	100	250
Car	width	(A)	mm		600	800	1 000
	depth	(B)	mm		600	800	1 000
	height		mm		800	800	1 200
Well	width	(C)	mm		900	1 100	1 500
	depth	(D)	mm		800	1 000	1 200

NOTE — Other dimensions may be used for specific applications, (for example, a service lift with a free-standing structure).