

INTERNATIONAL STANDARD

ISO
13441-1

First edition
1997-08-15

ANSI Internat Doc Sec

Air-assisted agricultural sprayers — Data sheets —

Part 1: Typical layout

*Pulvérisateurs agricoles à jet porté — Fiches techniques —
Partie 1: Plan type de présentation*



Reference number
ISO 13441-1:1997(E)
AVA Documents
Document Sharing Hub

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 13441-1 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 6, *Equipment for crop protection*.

ISO 13441 consists of the following parts, under the general title *Air-assisted agricultural sprayers — Data sheets*:

- *Part 1 : Typical layout*
- *Part 2 : Technical specifications related to components*

Annex A forms an integral part of this part of ISO 13441. Annex B is for information only.

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Printed in Switzerland

Air-assisted agricultural sprayers — Data sheets —

Part 1: Typical layout

1 Scope

This part of ISO 13441 establishes the technical specifications of data sheet presentation, for the preparation of documents giving information about dimensions, materials, characteristics and design of air-assisted agricultural sprayers used for the application of crop protection products in arboriculture, viticulture and hop cultivation. Data sheets prepared according to this part of ISO 13441 will facilitate discussion between the manufacturers of sprayers and the manufacturers of component parts and accessories.

This part of ISO 13441 is applicable during the preparation of data sheets by manufacturers or importers of air-assisted agricultural sprayers, whether mounted, trailed or self-propelled.

The list of codes used in this part of ISO 13441 is given in annex A. A list of International Standards related to this part of ISO 13441 is given in annex B.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 13441. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this part of ISO 13441 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 789-3:1982, *Agricultural tractors — Test procedures — Part 3: Turning and clearance diameters.*

3 General specifications

3.1 Manufacturer

Name and address of manufacturer/distributor/importer:

.....

.....

.....

.....

3.2 Type and year of manufacture

Type:

Mounted

Trailed (p.t.o. driven)

Self-propelled

Trailed (driven by engine)

General design of spraying and auxiliary devices (code 502):.....

Capacity: |

Year of manufacture:.....

Model:.....

Direct indication of the year of manufacture (explanation of code):

.....

Location of marking (code 101):.....

.....

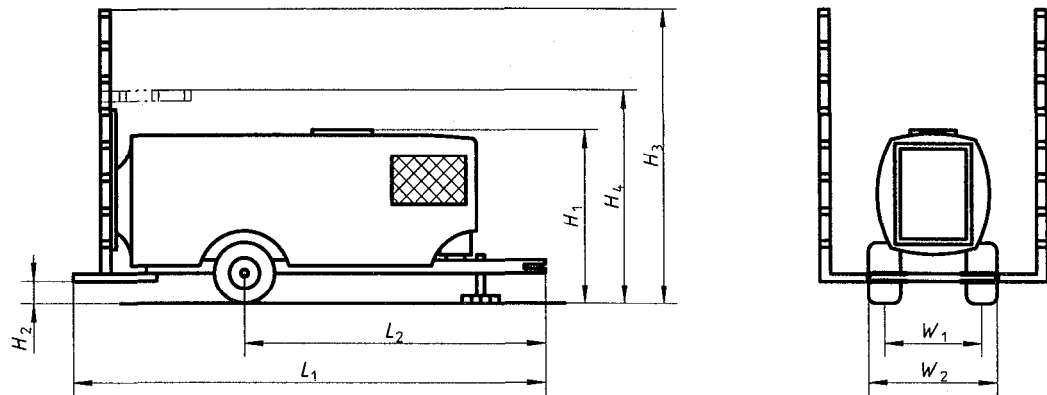
3.3 Trade-name(s)

.....

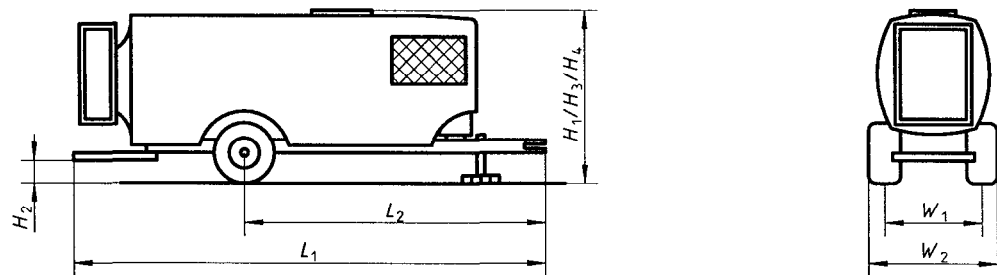
4 Dimensions

See figures 1 to 3.

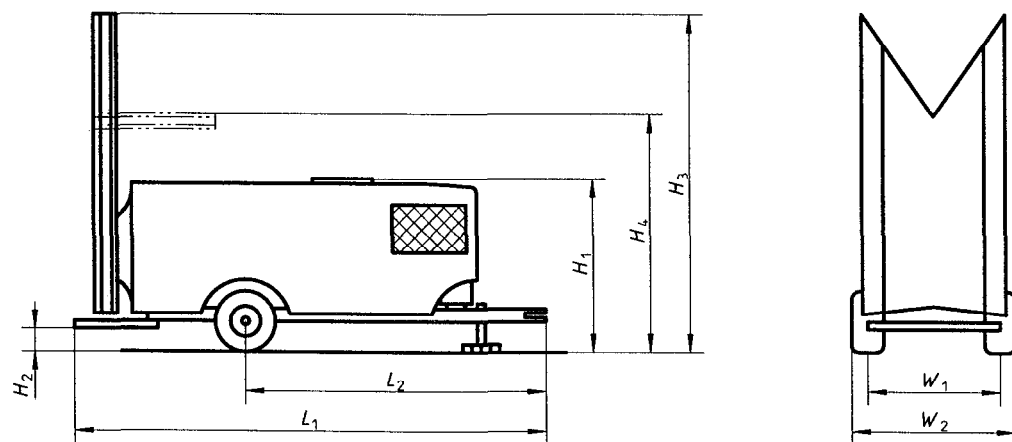
	Mounted equipment	Trailed equipment	Self-propelled equipment
Total length, L_1 :	m	m	m
Axle-coupling length, L_2 :		m	
Wheelbase, L_3 :			m
Wheel track, W_1			
non-variable:	m	m	m
minimum:	m	m	m
maximum:	m	m	m
Height to top of tank filler, H_1 :	m	m	m
Clearance (below chassis), H_2 :		m	m
Width, W_2 :	m	m	m
Operating height, H_3 :	m	m	m
Height during transport, H_4 :	m	m	m
Height of lower coupling points, H_5 :	m		
Minimum turning radius (determined in accordance with ISO 789-3):			m



a) Spray booms (502.0)



b) Main fan(s) (502.1)



c) Main fan and upper deflectors (502.2)

Figure 1 — Dimensions of trailed equipment