

Implementation of
ISO 10627-2:1996

Hydraulic agricultural sprayers — Data sheets —

Part 2: Technical specifications related
to components

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee AGE/15, Equipment for crop protection, upon which the following bodies were represented:

- Agricultural Engineers' Association
- British Agrochemicals Association Ltd.
- British Crop Protection Council
- Health and Safety Executive
- Imperial College of Science and Technology
- Institution of Agricultural Engineers Incorporated
- Long Ashton Research Station
- Ministry of Agriculture, Fisheries and Food
- National Association of Agricultural Contractors
- National Farmers' Union
- Silsoe Research Institute

This British Standard, having been prepared under the direction of the Engineering Sector Board, was published under the authority of the Standards Board and comes into effect on 15 November 1996

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National foreword

This British Standard reproduces verbatim ISO 10627-2:1996 and implements it as the UK national standard.

This British Standard is published under the direction of the Engineering Sector Board whose Technical Committee AGE/15 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international committee any enquiries on interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

NOTE International and European Standards, as well as overseas standards, are available from Customer Services, BSI, 389 Chiswick High Road, London W4 4AL.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ISO title page, page ii, pages 1 to 28 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

INTERNATIONAL STANDARD

ISO
10627-2

First edition
1996-05-01

Hydraulic agricultural sprayers — Data sheets —

Part 2:

Technical specifications related to
components

*Pulvérisateurs agricoles à jet projeté — Fiches techniques —
Partie 2: Spécifications techniques relatives aux composants*



Reference number
ISO 10627-2:1996(E)

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 10627-2 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 6, *Equipment for crop protection*.

ISO 10627 consists of the following parts, under the general title *Hydraulic 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 10627. Annex B is for information only.

1 Scope

This part of ISO 10627 establishes the technical specification of data sheet presentation, for the preparation of documents giving information about dimensions, materials, characteristics and design of component parts of non-air-assisted agricultural sprayers. Data sheets prepared according to this part of ISO 10627 will facilitate discussion between the manufacturers of sprayers and the manufacturers of component parts and accessories.

This part of ISO 10627 does not cover mass and dimensions of the sprayer in total, nor information related to the basic machine required by the manufacturer. Such information is given in ISO 10627-1.

This part of ISO 10627 applies during the conception of the data sheet by the manufacturer or importer of non-air-assisted agricultural sprayers, mounted, towed or self-propelled, used for the protection of crops and application of liquid fertilizers.

A list of International Standards related to this part of ISO 10627 is given in annex B.

2 General specifications

NOTE — Codes are explained in annex A.

2.1 Manufacturer

Name and address of manufacturer:

.....

.....

Distributor/importer:

.....

2.2 Type and year of manufacture

Implement type:

Year of manufacture:

Location of marking (code 101):

2.3 Trade-name(s)

.....

3 Tank specifications

	Principal tank		Rinsing tank		Other tank
3.1 Material (code 102)					

3.2 Volume

Nominal volume: | | |

Total volume: | | |

3.3 Dimensions

Length: mm mm mm

Width: mm mm mm

Height (to upper edge of filling opening): mm mm mm

Location (code 304):

3.4 Level indicator

	Principal tank	Rinsing tank	Other tank
Type (code 303):			
Indicating range:	from..... l to l	from..... l to..... l	from..... l to..... l
Graduation:	l	l	l
Location (code 304):			

3.5 Filling hole

Location (code 306):			
Diameter:	mm	mm	mm

Tank filling strainer

material (code 102):			
diameter:	mm	mm	mm
depth:	mm	mm	mm
strainer surface:	mm ²	mm ²	mm ²
mesh width:	mm	mm	mm
Design of lid (code 305):			

3.6 Agitator

Type (code 307):			
Design (code 308):			
Location (code 310):			

3.7 Drainage device

Type (code 312):			
Design (code 313):			
Location (code 314):			

3.8 Filling device

	Principal tank	Rinsing tank	Other tank
Type (code 315):			
Design (code 316):			
Location (code 317):			
Volumetric flowrate with water:	l/min	l/min	l/min
Shut-off valve	YES NO	YES NO	YES NO
location of shut-off valve:			
Filtration device	YES NO	YES NO	YES NO
design (code 318):			
location (code 319):			

3.9 Dosing devices for crop protection products

Type (code 320):			
Design (code 321):			
Location (code 319):			
Measuring range:			
Measuring accuracy:			

4 Pump specifications**4.1 Main pump**

Manufacturer:	
Design (code 402):	
Designation:	
Location (code 403):	

Drive (code 404):

Connection:

Nominal pressure: MPa

Nominal speed: r/min

Volumetric flowrate

non-pressurized: l/min

at nominal pressure: l/min

Pressure pulsation damper

design (code 407):

material (code 102):

4.2 Other pumps

Function (code 405):

Manufacturer:

Design (code 402):

Designation:

Location (code 403):

Drive (code 404):

Connection:

Nominal pressure: MPa

Nominal speed: r/min

Volumetric flowrate

non-pressurized: l/min

at nominal pressure: l/min