TC 23

International Standard ISO 6532

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

Machinery for forestry — Portable chain saws — Technical data

Machines forestières — Scies à chaîne portatives — Données techniques

First edition — 1982-07-15

UDC 621.936.6 : 634.0.36 **Ref. No. ISO 6532-1982 (E)**

Descriptors : agricultural machinery, portable equipment, saws, wood working, technical data sheets, vocabulary.

Price based on 2 pages

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 6532 was developed by Technical Committee ISO/TC 23, *Tractors and machinery for agricultural and forestry*, and was circulated to the member bodies in January 1981.

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

Australia	France	Poland
Austria	Germany, F. R.	Portugal
Belgium	India	Romania
Brazil	Iran	Spain
Canada	Italy	Sweden
China	Korea, Dem. P. Rep. of	Switzerland
Czechoslovakia	Korea, Rep. of	Turkey
Denmark	Mexico	United Kingdom
Egypt, Arab Rep. of	New Zealand	USA
Finland	Pakistan	USSR

No member body expressed disapproval of the document.

Printed in Switzerland

Machinery for forestry — Portable chain saws — Technical data

1 Scope and field of application

This International Standard lays down the technical data to be specified for portable, hand-held chain saws.

2 References

ISO 3448, *Industrial liquid lubricants — ISO viscosity classification.*

ISO 6531, *Machinery for forestry — Portable chain saws — Vocabulary.*

3 Technical data (see ISO 6531)

	Unit
3.1 Mass	
3.1.1 Saw without guide bar and chain, empty tanks	kg
3.1.2 Saw with specified guide bar and chain, empty tanks	kg
3.1.3 Saw with specified guide bar and chain, full tanks	kg
3.2 Volume	
3.2.1 Fuel tank	l
3.2.2 Tank for chain lubricating oil	l
3.3 Cutting length	
3.3.1 Specified usable cutting length of guide bar	m
3.3.2 Recommended maximum cutting length of guide bar	m
3.4 Chain	
3.4.1 Specified pitch	mm
3.4.2 Specified gauge (thickness of drive links)	mm
3.4.3 Number of drive links for specified length of guide bar and specified sprocket	
3.4.4 Chain speed at maximum engine power	m/s
3.5 Sprocket	
3.5.1 Specified number of teeth	
3.6 External dimensions (see the figure)	
3.6.1 Length[1]	mm
3.6.2 Width	mm
3.6.3 Height	mm
3.7 Size of engine	
3.7.1 Engine displacement	cm^3
3.8 Maximum engine power[2]	
3.8.1 Maximum shaft brake power	kW
3.9 Engine speed	
3.9.1 At maximum engine power	s^{-1}
3.9.2 Recommended maximum speed	s^{-1}
3.9.3 Recommended speed at idling	s^{-1}

1) If the front hand guard is behind the saw housing in its normal operating position, the length is measured to the foremost part of the saw housing. In the case of a fixed spiked bumper, the bumper is considered to be part of the saw housing.

2) Methods of measuring these characteristics will form the subjects of future International Standards.