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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 18577.1-2008

Replacing GB/T 18577.1-2001

**Earth-moving machinery -- Definitions of dimensions and
codes -- Part 1: Base machine**

土方机械 尺寸与符号的定义 第1部分：主机

(English Translation)

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Foreword

GB/T 18577 "moving machinery size and symbol definitions" is divided into two parts.

--- Part 1. Host;

--- Part 2. Equipment and fixtures.

This section GB/T 118 577 Part of this part identical with ISO 6746-1:2003 "moving machinery size and symbols Definitions - Part 1. Host "(in English).

This section is equivalent translation ISO 6746-1:2003.

For ease of use, this section made the following editorial changes.

--- "This International Standard" be replaced by "this section";

--- Deleted international standards foreword;

--- To ISO 6746-1:2003 international standard referenced with the international standard has been adopted as the standard instead of the corresponding country.

This Part replaces GB/T 18577.1-2001 "moving machinery - Definitions of dimensions and symbols - Part 1. Host." this section compared with the GB/T 18577.1-2001, the main changes are as follows.

--- Standard name from "earth-moving machinery - Definitions of dimensions and symbols - Part 1. Host" to "moving machinery size and symbols Definitions - Part 1. Host ";

--- Standard English name was modified accordingly;

--- Original 3.1 "three-dimensional coordinate system" and the contents of Appendix A merger is 3.1 "three-dimensional coordinate system", and the content of the standard will be Modified accordingly;

--- Adjust and modify the contents of the appendix.

This section of the Appendix A, Appendix B, Appendix C, Appendix D and Appendix E are normative appendix.

This part is proposed by China Machinery Industry Federation.

This part of the National earthmoving machinery Standardization Technical Committee (SAC/TC334) centralized.

This section is drafted. Tianjin Construction Machinery Research Institute.

1 Scope

This section GB/T 18577 specifies the definition of earth-moving machinery host of dimensions and codes, and regulations for the sit-defined size Marking system, coding system terminology standards and commercial specifications in the corresponding size.

This section applies to GB/T 8498 basic types of earth-moving machinery as defined by the host.

2 Normative references

The following documents contain provisions which, through reference GB/T 18577 in this section, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 8498 Earth - moving machinery - Basic types - Identification and terms and definitions (GB/T 8498-2008, ISO 6165:2006, IDT) Definition of GB/T 18577.2 moving machinery dimensions and codes - Part 2. Equipment and fixtures (GB/T 18577.2-2008, ISO 6746-2:2003, IDT)

3 Terms and Definitions

GB/T 8498 and established the following terms and definitions apply GB/T 18577 in this section.

Moving machinery used to define the size of the three-dimensional coordinate system

(Figure 1).

3.1.1

Vertical plane through the longitudinal center line of the machine.

3.1.2

Any of a vertical plane perpendicular to the Y plane.

3.1.3

Either the horizontal plane X and Y plane orthogonal to the plane.

3.1.4

Above the front plane of the zero X, Y plane to the right of zero and zero Z plane are positive directions.

Note 1: The intersection of the X, Y, Z axis (zero plane) should be located on a well-defined reference point (seat index point; the engine crankshaft centerline; bulldozer driver Rear axle or wheel center line; the whole measure of the horizon).

Note 2: If only represents a member (the engine, the seat), from the X, Y, Z-axis (zero plane) from the intersection of the axis relative to the orientation of the machine components should be in Normal position (first cylinder of the engine facing the front of the machine; the seat facing forward) is determined as the positive direction.

Note 3: If you represent a machine or a work unit, you should indicate the machine is traveling from right to left orientation.

GB/T 18577.1-2008/ISO 6746-1:2003