

Commercial Worksite Equipment Statistics Program Product Definitions and Quick Links

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Pedestrian Trenchers (IF01) - **Not Active**

Dedicated walk along trench or purpose-build platform trencher having various digging depths

Reporting classifications: Based on Engine Horsepower (SAE J1349)

Riding Trenchers (IF02) - **Not Active**

A ride-on machine, with attachments, which could include trencher, saw, plow and backhoe attachments. These machines are designed for general contracting work like installing deeper residential utilities such as water, gas, telephone, electric and mainline installations.

Reporting classification: Based on Based on Engine Horsepower (SAE J1349)

Vibratory Plows (under 50 HP) (IF03) - *Not Active*

Dedicated plow that is less than 50 horsepower. These machines install telephone and cable TV lines, natural gas and water services, or a complete underground sprinkler system without digging a trench, saving on restoration.

Reporting classification: Based on Engine Horsepower (SAE J1349)



Skid Steer Loaders (IF11)

A self-propelled machine with wheels and tires that is steered using variation of speed and/or direction of rotation between wheels on opposite sides of the machine on fixed axels. It is primarily designed to do work by attachments or implements fastened to a lift arm or chassis. The operator of this unit is seated inside a ROPS (Rollover Protection Structure).

Reporting classification: Based on Pounds 50% of tipping Load per ISO J14397 Standard



Compact Track Loaders (IF12)

A self-propelled machine with a dedicated track system (not tracks over wheels and tires), which can be steel, rubber, or other composite compounds, that is steered by using variation of speed and or direction of rotation between tracks on opposite sides of the machine. It is primarily designed to do work with attachments or implements fastened to a lift arm or chassis. The operator of this unit is seated inside a ROPS (Rollover Protection Structure) Does not include those machines where the operator either walks behind or stands on the machine.

Reporting classification: Based on Pounds 35% of tipping Load per ISO J14397 Standard



Rough-Terrain Forklifts, 2 Wheel Drive, Vertical Mast (IF21)

A 2 wheel-drive machine with large pneumatic drive tires designed to pick up and carry loads over unimproved terrain with a vertical mast.

Reporting classification: Capacity at 24" Load Center in 1000's of U.S. Pounds



Rough-Terrain Forklifts, 4 Wheel Drive, Vertical Mast (IF23)

A 4 wheel-drive machine with large pneumatic drive tires and equal sized or smaller drivable steer tires, designed to pickup and carry loads over unimproved terrain with a vertical mast.

Reporting classification: Based on Capacity at 24" Load Center in 1000's of U.S. Pounds



Telescopic Handlers (IF26)

A rough-terrain variable-reach material handling machine, which utilizes a telescopic boom to place loads, perform light material handling with buckets, and may be coupled with a wide variety of work tools. It has a rigid frame with four-wheel steering. Used in agriculture and general construction applications.

Reporting classification: Classifications Based on two dimensions:

- a. Capacity at 500 mm Load Center in metric tons and*
- b. Lift height by meters at maximum lift height.*



Compact Utility Loaders (IF31)

A self-propelled machine with either wheels and tires or a track under carriage that is steered by using a variation of speed and/or direction of wheels/tracks on opposite sides of the machine, or through articulation. This unit differs from a traditional seated skid steer loader with ROPS in that the operator either walks behind or stands on this machine.

Reporting classification: Based on Pounds SAE Operating Load 35% tip



Compact Wheeled Dumpers (**TBD**)

Primarily off-highway vehicle for carrying loads. These vehicles have rubber tires and must be configured with a dump bed, flat deck, or dumping mechanism: straight or swivel with an articulated steering joint that gives a limited range of vertical and horizontal movement. These ride-on vehicles are designed for operations mostly on unprepared surfaces. Operator must be in a seated position. Payload capacity equal to or under 15 metric tons.

Reporting classification: **TBD**



Backhoes Under 12' (IF43)

A backhoe attachment is defined as a Type B backhoe for a skid steer loader according to SAE J326 (not Type C backhoe - integral to machine). The backhoe has a digging depth of 12 feet or less according to SAE J49 4.3.2.

- Type B: A backhoe designed to be installed on a machine in which usage is a basic function of the machine but can be readily removed and replaced by other tools or equipment.
- SAE J49 4.3.2. Digging Depth, 2 ft (610 MM) Flat Bottom - the vertical distance in millimeters (inches) from the ground line to a flat bottom trench 610 mm (24 in) in length generated by the bucket teeth.

Reporting classification: Based on Digging Depth, rated in U.S. feet, based on a 2 foot flat bottom trench.



Directional Borers (DB01) - *Not Active*

A machine, which can launch a steerable cutting head, attached to the end of a rotating drill pipe string used for boring through the earth in a horizontal direction. Boring most generally includes fluid injection to the cutting head through the drill pipe and also generally includes enlarging the bore with a back reamer.

Reporting classification: Based on maximum actual measured pullback, in U.S. pounds

