

Specifications (SEBU7763-07)

SMCS - 1000, 7000

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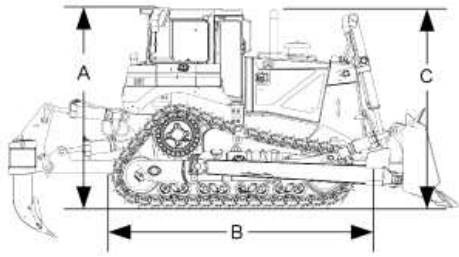


Illustration 1

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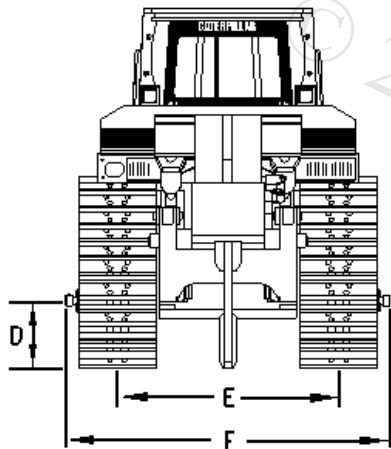


Illustration 2

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Basic machine specifications are listed in Table 1.

Table 1

D8T Track-Type Tractor	
Engine Power	231.2 kW (310 hp)
Engine (Make and Model)	Caterpillar C-15 Acert
Engine Displacement	15.2 L (928 cubic inch)
Engine Rated Speed	1850 RPM
Engine (No. of Cylinders)	6
Height of Machine	
Top of Cab (A)	3493.4 mm (137.5 inch)
Top of Rain Cap (C)	3505.4 mm (138 inch)
Ground Clearance (D)	527.9 mm (20.8 inch)
Height of the Drawbar	528 mm (20.8 inch)
Length of Machine	
Length of Machine (1) (B)	4632 mm (182 inch)
Length of Track on Ground	3200 mm (126 inch)
Drawbar	325 mm (12.8 inch)
Single Shank Ripper (2)(3)	1829 mm (72 inch)

Multiple Shank Ripper (2)(3)	1623 mm (64 inch)
Width of Machine	
Track Gauge (E)	2083 mm (82 inch)
Width Over Trunnions (F)	3050 mm (120 inch)
Width of Standard Track Shoe	560 mm (22 inch)
Weight of Machine	
D8T shipping weight (4)	29553 kg (65153 lb)
Operating Weight(5)	38488 kg (84851 lb)
D8T without a Ripper	34019 kg (75000 lb)
D8T (maximum weight)	45360 kg (100000 lb)
Single Ripper	3908 kg (8615 lb)
Multiple Ripper	3930 kg (8664 lb)
Blade Specification	
8SU Bulldozer Blade(2)	
Length	1438 mm (57 inch)
Width	3937 mm (155 inch)
Capacity	8.7 m3 (11.4 yd3)
8U Bulldozer Blade (2)	
Length	1835 mm (73 inch)
Width	4262 mm (168 inch)
Capacity	11.7 m3 (15.3 yd3)
8A Bulldozer Blade (2)	
Length	1621 mm (64 inch)
Width	4978 mm (196 inch)
Capacity	4.7 m3 (6.1 yd3)

(1) The length of the machine is measured from the trunnion of the tag link to the end of the track (standard).

(2) Add to length of the machine.

(3) Length is measured from the grouser tip with the ripper shank in a vertical position and the ripper tip at the ground.

(4) Shipping weight includes the following components: coolant, lubricant, 20% fuel, ROPS, FOPS and 560 mm (22 inch) (MS shoes)

(5) The weight includes the machine and the following items: full tank of fuel, all lubricants, coolant, SU Bulldozer Blade with tilt cylinders, single shank ripper, hydraulic controls, air conditioner, 560 mm (22 inch) track (MS), cab with EROPS and operator.

Intended Use

This machine is a Track-Type Tractor that is classified as a "Tractor-dozer". The machine is earthmoving equipment that is described in ISO 6165:2006. The machine propels the track forward. Also, the machine propels the track rearward. This allows the machine to move independently. The machine uses equipment that is either a dozing attachment which cuts, moves, and grades material through forward motion of the machine or a mounted attachment that is used to exert a push or a pull force such as a ripper or towing winch. Additional applications include pushing scrapers during loading and pulling towed equipment by using a drawbar.

Application and Configuration Restrictions

Maximum approved operating weight 44794 kg (98770 lb)

Maximum drawbar pull 67191 kg (148130 lb)

Maximum vertical drawbar load 33596 kg (74066 lb)

The maximum line pull for the winch is 622751 N (140000 lb).

The maximum slope that has the proper lubrication is 100 percent or 45 degrees.

The capability of the brake is equal to the ROPS capability under a 45 degree slope.

Use the machine only in environments that are not explosive with gases.

Special attachments and operating instructions are required for waste handling applications and other custom configurations.

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