

SEM Machinery

DOZER

# SEM 832F



## Standard Equipment

### ENGINE

- Final Drive
- Coupling Group

### UNDERCARRIAGE

- Equalizer Bar
- Track Roller Frame

### HYDRAULICS

- Lifting Cylinder
- Tilting Cylinder
- Hydraulic Fan, Single Shank

### ELECTRICAL

- Electric System
- Work Lights, LED,8

### LIGHT STRUCTURE

- Engine Hood
- Filter Box
- Fuel Tank
- Right Box
- Hydraulic Tank
- Fender

### OPERATOR ENVIRONMENT

- Standard Sealed Cab
- Dashboard Group
- HVAC
- Radio

### GUARDS

- Front Guard
- Bottom Guard

### FRAME

- Case Frame

### BLADES

- L Shaped Push Arm

## Optional Equipment

### WEATHER ARRANGEMENT

- Ether Cold Start

### ELECTRICAL

- Warning Beacon
- Rear Camera
- Blade Light
- Product Link

### FIRE SUPPRESSION

- Extinguisher

### GUARDS

- Guards Track

## Mandatory Attachment

Select one from each group. Mandatory and optional equipment may vary. Consult your dealer for specifics.

### ENGINE

- Air Filter
- Air Filter, High Position

### TRACKS

- Track, 560mm
- Track, 610mm
- Track, 760mm

### HYDRAULICS

- Hydraulic, 2V
- Hydraulic, 3V

### CABS

- Cab, Rops
- Cab, Non Rops

### AIR FRESHER

- Seals Group
- Air Fresher

### GLASS DOOR

- Glass Door, Cab
- Glass Door, Cab w/ Wiper

### STARTING AIDS

- Starter
- Starter, Cold Weather

### REAR ATTACHMENT

- Drawbar
- Ripper, Single Shank

### BLADES

- SU, 9.6m<sup>3</sup>
- S, 7.8 m<sup>3</sup>
- U, 12.9 m<sup>3</sup>
- WH, 18.6 m<sup>3</sup>

## Main Specifications

	STD	DS	CH	WH
Operating Weight (w. SU blade, Ripper)	38,710 kg	39,390 kg	39,455 kg	40,110 kg
Ground Pressure (GB/T 30965)	83 kPa/77 kPa	63 kPa	78 kPa	64 kPa
Minimum Ground Clearance (Excludes Grouser Height)	370 mm			
Gradeability	30°			

### Engine

Model	1706D-E93TA			
Advertised Power (ISO 14396)	253 kW/339 hp			
Rated Speed	2,200 r/min			

### Powertrain

Transmission Type	Dual-path, closed loop electronically controlled hydrostatic drive system			
Travel Speeds - Forward and Reverse	Infinitely variable speeds 0-11 km/h			
Steering and Brake	Hydrostatic steering, wet, multi-disc brake, bellville spring actuated and hydraulically released			

### Implement Hydraulic

Type	Double pump confluence, pilot control			
System Pressure	20 MPa			
Pump Type	Gear pump			

### Blades

Blade Type	SU	S	Coal	S-WH
Blade Capacity (ISO 9246)	9.6 m <sup>3</sup>	7.8 m <sup>3</sup>	12.9 m <sup>3</sup>	18.6 m <sup>3</sup>
Blade Width (w/End Bit)	4,180 mm	4,290 mm	4,760 mm	4,335 mm
Blade Height	1,710 mm	1,590 mm	1,710 mm	2,350 mm
Blade Lifting Height	1,206 mm			
Blade Digging Depth	558 mm			
Blade Tilt Height (Middle Hole)	905 mm	930 mm	1,030 mm	945 mm
Blade Weight (w/o Push Arm)	3,020 kg	2,840 kg	3,550 kg	3,300 kg
Minimum Turning Radius	4,590 mm	4,475 mm	4,990 mm	4,485 mm

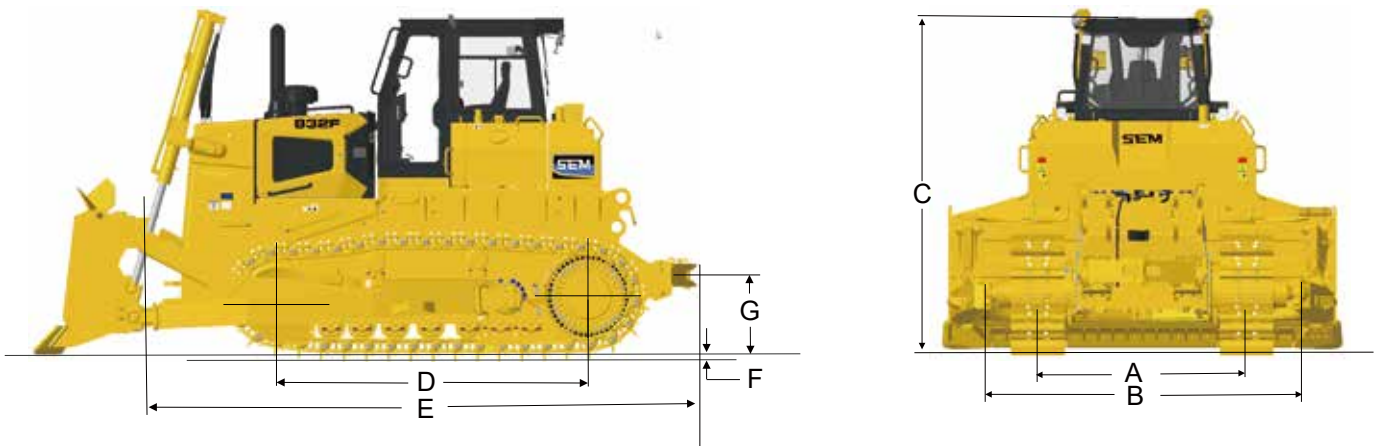
### Single Shank Rippers

Type	Parallelogram (No pitch adjustment)			
Maximum Penetration (Shank Pinned in the Top Hole)	1,216 mm			
Maximum Clearance Under Tip (Shank Pinned in the Bottom Hole)	812 mm			
Ripper Weight	4,160 kg			

### Undercarriage

Track Shoe Width	560 mm/610 mm	760 mm	610 mm	760 mm
Track Shoes Number (Each Side)	41			
Track Rollers Number (Each Side)	7			
Carrier Roller Number (Each Side)	2			

## Dimensions



	STD	DS	CH	WH	
A	Track Gauge		2,180 mm		
B	Width of Tractor, Trunnions Outside		3,280 mm		
C	Machine Height, w/o Grouser		3,440 mm		
	Rops, w/o Grouser		3,445 mm		
	Alarm, w/o Grouser		3,590 mm		
	Exhaust Stack, w/o Grouser		3,385 mm		
D	Length of Track on Ground		3,200 mm		
E	Length of Basic Tractor, w. Drawbar		5,645 mm		
	With Following Attachments, add:				
	SU Blade	1,175 mm	1,175 mm	1,175 mm	N/A
	S Blade	965 mm	965 mm	N/A	N/A
	U Blade	1,575 mm	N/A	1,575 mm	N/A
	WH Blade	N/A	N/A	N/A	965 mm
	Single-Shank Ripper	2,020 mm	2,020 mm	2,020 mm	N/A
F	Grouser Bar Height		80 mm		
G	Drawbar Height (Pin Center)		800 mm		

**Caterpillar (Qingzhou) Ltd. Address: No. 12999 Nanhuan Road, Qingzhou City, Shandong Province, Zip Code: 262500, P.R.China**

© 2023 Caterpillar (Qingzhou) Ltd. All Rights Reserved. 山工机械, SEM, SEM Logo, their respective logos, trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar (Qingzhou) Ltd. and may not be used without permission.

Materials and specifications are subject to change without notice. Featured machines in photos may include optional equipment. Contact your SEM dealer for available options.

Version: September 2023