

SEM  
MOTOR GRADER

# SEM

915F/917F/919F



# Standard equipment

## Engine & Installation

- SDEC 7H Tier 2 engine
- Engine & installation

## Powertrain & Transmission

- Electro-hydraulic power shift transmission and attachments
- Tandem axle
- Front axle
- Drive shaft

## Hydraulic

- Lines pump
- Lines steering
- Lines fan
- Lines drawbar, circle, moldboard

## Frame

- Front frame
- Rear frame
- Hitch

## Cab Installation

- Console operation
- Control transmission
- Floor attachment

## Electrical

- Wiring
- Wiring engine
- Switch attachment (dashboard)

## Cooling

- Cooling radiators
- Lines group
- Fan
- Coolant tank

## Work Tool

- Lift blade
- Circle group
- Drawbar group

## Structure

- Enclosure group
- Fuel tank
- Battery box
- Front cover
- Hydraulic tank
- Ladder group

## Brake

- Brake service
- Brake parking

## Air Conditioner

## Product Link

# Optional equipment

## Electrical

- License light
- Rear camera
- Beacon
- Radio

## Work tool

- Scarifier
- Tooth

## Others

- Cab guard
- Toolbox
- Transmission guard
- Hand throttle
- Drawbar circle moldboard grease tank
- Level gauge
- Rear mirror
- Fender

# Mandatory attachment

## Cab

- Cab non-ROPS base Low Profile
- Cab non-ROPS plus Low Profile
- Cab non-ROPS base High Profile
- Cab ROPS plus High Profile

## Hydraulic

- Control (multi-way valves)
- Tip
  - Hydraulic
  - Manual
- Circle drive
  - Standard
  - Slip clutch
- Pin puller
  - Hydraulic
  - Manual

## Work tools

- Blade
  - 10 feet
  - 12 feet
  - 13 feet
- Rear attachment
  - Rear counterweight 400 kg + Hitch towing
  - Rear counterweight 600 kg + Hitch towing
  - Ripper
- Front attachment
  - Blade
    - Counterweight 500 kg
    - Counterweight 1000 kg

## Start-up System

- Normal starting
- Cold starting (Pre-heating)

## Light

- Working lights
  - Halogen
  - LED
- Road lights
  - Head & tail
  - Tail

## Tire & Rim

- Tube tire
- Tubeless tire

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

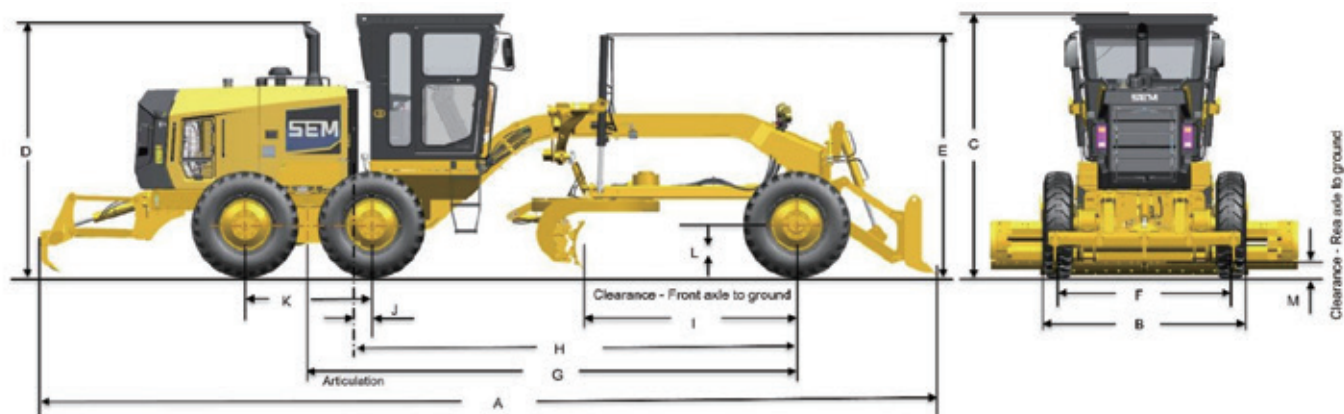
## Main Parameters

Items	915F T2	917F T2	919F T2
<b>Main Specifications</b>			
Standard Weight/kg (Non ROPS base)	12,200	13,500	14,500
Standard Weight/kg (with ROPS)	12,520	13,820	14,820
Overall Dimensions/mm (L*W*H)	10,723*2,410*3,125	10,723*2,491*3,150	10,723*2,635*3,170
Travel Speed (Forward/Reverse) km/h	40/29	40/29	40/25
Max. Drawbar traction/kN	70	75	80
Frame Articulation Angle	20°	20°	20°
Min. Turning Radius/mm	7,300	7,300	7,300
Tire	13-24 12PR	14-24 12PR	17.5-25 12PR
<b>Engine</b>			
Engine Manufacturer	SDEC	SDEC	SDEC
Engine Model	SC7H150G2B	SC7H170.1G2B	SC7H190.2G2
Net Power/kW@RPM	110 @ 2200	125 @ 2200	140 @ 2200
Max. Torque/N.m@RPM	570 @ 1400	750 @ 1400	760 @ 1400
Emission	Tier 2	Tier 2	Tier 2
<b>Transmission</b>			
Brand/Manufacturer	Advance/HangChi	Advance/HangChi	Advance/HangChi
Type	Converter, Powershift	Converter, Powershift	Converter, Powershift
Forward/Reverse Gears	6 Forward/3 Reverse	6 Forward/3 Reverse	6 Forward/3 Reverse
<b>Rear Axle/Tandem</b>			
Brand/Manufacturer	SEM/Caterpillar	SEM/Caterpillar	SEM/Caterpillar
Differential	No-Spin	No-Spin	No-Spin
Service Brake	Air over oil, Disc	Air over oil, Disc	Air over oil, Disc
Oscillation Front Up	15°	15°	15°
Oscillation Front Down	25°	25°	25°

## Main Parameters

Items	915F T2	917F T2	919F T2
<b>Front Axle</b>			
Ground Clearance/mm	615	640	640
Wheel Lean, left/right	±18°	±18°	±18°
Max. Oscillation	±16°	±16°	±16°
Steering Range, left/right	±45°	±45°	±45°
<b>Hydraulic System</b>			
Circuit Type	Load Sensing, PPPC	Load Sensing, PPPC	Load Sensing, PPPC
Pump Type	Variable Piston	Variable Piston	Variable Piston
<b>Moldboard</b>			
Blade Width, STD/mm	3,059	3,669	3,669
Blade Width, OPT/mm	3,669	3,972	3,972
Blade Height/mm	580	580	580
Blade Thickness/mm	20	20	20
Max. Lifting Height/mm	435	435	435
Max. Cut Depth/mm	750	750	750
Float Function	YES	YES	YES
<b>Service Refill Capacity</b>			
Fuel Tank/L	230	230	230
Engine Oil/L	17.5	17.5	17.5
Coolant/L	37	37	37
Transmission/L	17	17	17
Differential Case/L	27	27	27
Tandem Case, each side/L	50	50	50
Circle Drive, Non-Slip Clutch/L	2	2	2
Circle Drive, With Slip Clutch/L	7	7	7
Hydraulic Oil Tank/L	55	55	55

## Dimension



Unit: mm		915F	917F	919F
A		10,723	10,723	10,723
B		2,410	2,491	2,635
C	Low profile non-ROPS cab	3,125	3,150	3,170
	ROPS cab	3,345	3,370	3,390
D		3,031	3,056	3,076
E		2,970	2,995	3,015
F		2,055	2,142	2,190
G		5,830	5,830	5,830
H		5,220	5,220	5,220
I		2,542	2,542	2,542
J		146	146	146
K		1,510	1,510	1,510
L		615	640	640
M		365	390	390

\*915F with 13.00-24 tire, 917F with 14.00-24 tire, 919F with 17.5-25 tire.

\*Standard weight, 915F without frontal and rear counterweight, 917F/919F with frontal 500 kg and rear 400 kg counterweight.

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