

Large Cab

- Cab mounted on the front frame provides exceptional view to blade and front axle even during articulation
- Large cab with 1.9m height and 30% larger space than most competitors, provides exceptional comfort



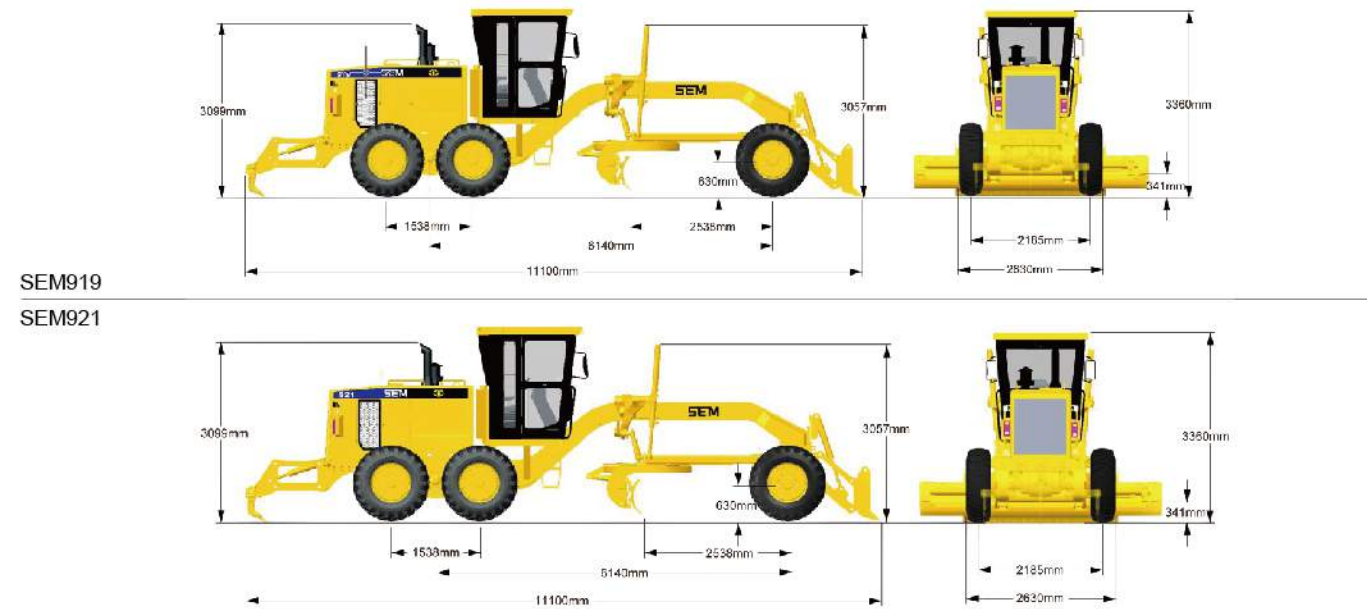
Optional Accessories

S = Standard, O = Optional					
Specifications	SEM919	SEM921	Specifications	SEM919	SEM921
Perkins engine/ZF Transmission	O	O	HVAC (Heating Ventilation and Air Conditioner)	O	O
Shanghai Diesel D9-Stage II	S	S	Headlight	O	O
Hangchi 6WG180	S	S	Beacon	O	O
Meritor Tandem / Axle	S	S	Start GP-Normal	S	S
Rim & Tire Group (14.0-24 12PR)	O	O	Start GP-Cold	O	O
Rim & Tire Group (17.5-25 12PR)	S	O	Start GP-Arctic	O	O
Rim & Tire Group (17.5-25 16PR)	O	S	Front Blade	O	O
Rim & Tire Group (17.5R25 G2)	O	O	Rear Ripper/Scarifier	O	O
Rim & Tire Group (17.5-25 16PR L3)	O	O	Snow Wing Assembly	O	O
Load Sensing (Variable Piston Pump + CAT PPPC Valve)	S	S	Snow Wing Mount	O	O
Blade Group (12')	O	O	Tow Group	O	O
Blade Group (13')	S	O	Tool Box	O	O
Blade Group (14')	O	S	High Bar Front Lights	O	O
Non ROPS Cab Group (Cab Accessories GP-STD)	S	S	Guard- underneath cab	O	O
Non ROPS Cab Group (Cab Accessories GP-Premium)	O	O	Roading arrangement- license plate mount and light	O	O
ROPS Cab Group	O	O	Guard- transmission	O	O
Cab Heater only	S	S	Rear Fenders	O	O

Specifications

Items	SEM919	SEM921
Operation Weight (Base Machine)	15070kg	15930kg
Overall Dimensions (L*W*H)	8703*2630*3360mm	8854*2630*3360mm
Blade Length (L*W*H)	3974*25*607mm	4279*25*607mm
Max. Lifting Height	475mm	475mm
Max. Depth of Cut	715mm	715mm
Max. Drawbar	≥78kN	≥85kN
Wheelbase	6140mm	6140mm
Frame Articulation Angle	20°	20°
Min. Turning Radius	7.8m	7.8m
Engine Brand	SDEC SC8D190.1G2	SDEC SC8D220G2
Rated power	140kW	162kW
Transmission Type	Hangchi 6WG180	Hangchi 6WG180
Travel Speed (Forward/Rear)	40/25km/h	40/25km/h
Rear Axle/Tandem	Meritor 18MRH-X240	Meritor 18MRH-X240
Service brake	Drum type shoe brake, Air to oil control	Drum type shoe brake, Air to oil control
Oscillation (Front up/Rear up)	15/25°	15/25°
Max. Oscillation Angle	±16°	±16°
Steering Angle (Left/Right)	47.5°	47.5°
Max. Lean Angle of Front Wheels	18°	18°
Hydraulic System	Load Sensing	Load Sensing

Dimensions



SEM919

SEM921

SEM919/921 Motor Grader



* Featured machines in photos may include optional equipment

SEM919 SEM921

Product Advantage

- **High Productivity:** Load sensing hydraulic system provides consistent and precise blade movement
- **High Reliability:** A-frame designed drawbar provides strength in all blade positions
- **Comfort:** World Class industry control layout with low lever efforts for reduced operator fatigue

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

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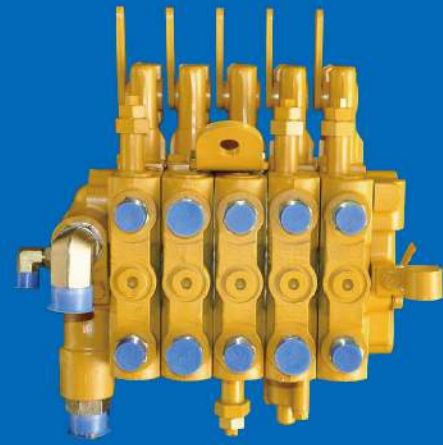
DEALER NAME

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Dealer Logo Area



Hydraulic System



- Proportional Priority Pressure Compensating (PPPC) Valves contain specifically cut spools for motor grader applications, continuously matching of hydraulic flow and pressure to power demands, allowing ease of multi-function control for optimizing working efficiency
- World-class variable displacement piston pump, efficiently reduces power consumption and hydraulic system heat, improving fuel efficiency
- Load-sensing hydraulic system provides consistent and precise blade movement, improving finishing performance
- Inboard lock check valves within PPPC, prevents inadvertent cylinder movement and potential leaks

Control System

7 position link bar with electric over hydraulic control allows ease of operation from within the cab

- Optimum blade reach capability, quick DCM re-positioning for greater reach for better working on high bank side slope
- The link bar is essential for extending reach capability when cutting a bank slope or back slope of a ditch
- Replaceable bushings reduce service time and cost



Blade Float

Standard blade float function allows blade to lower without hydraulic pressure for increased versatility

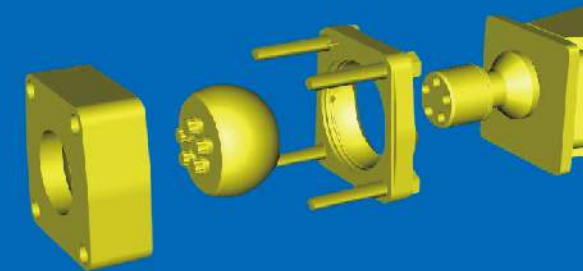
- Blade float is engaged by pushing the left and right lift cylinder controls all the way forward past the detent
- Provides protection for machine and pavement during snow removal and snow plowing



Drawbar

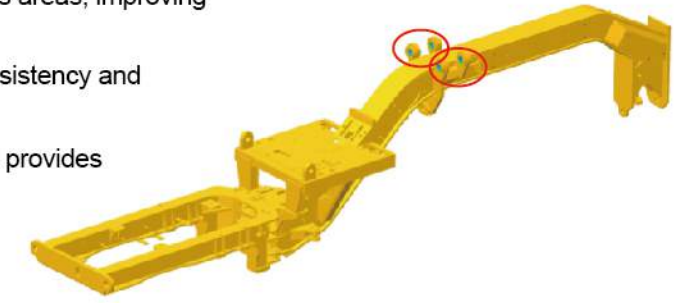


- A-frame tubular design drawbar provides maximum strength and durability
- Replaceable drawbar draft ball (bolted – not welded) for less service time and cost
- Easy removal of wear shims to adjust drawbar



Front Frame

- Flanged box section design removes welds from high stress areas, improving reliability and durability
- Continuous top and bottom plate construction provides consistency and strength, improving front frame durability
- Hydraulic hose routing minimizes exposure to damage and provides quick access for service
- Maintenance-free bushings improve durability and reduce overall service cost



Control Layout



- Short throw levers are efficiently spaced, allowing ease of multi-function control
- Short lever travel (40mm) with low lever effort reduces operator fatigue

