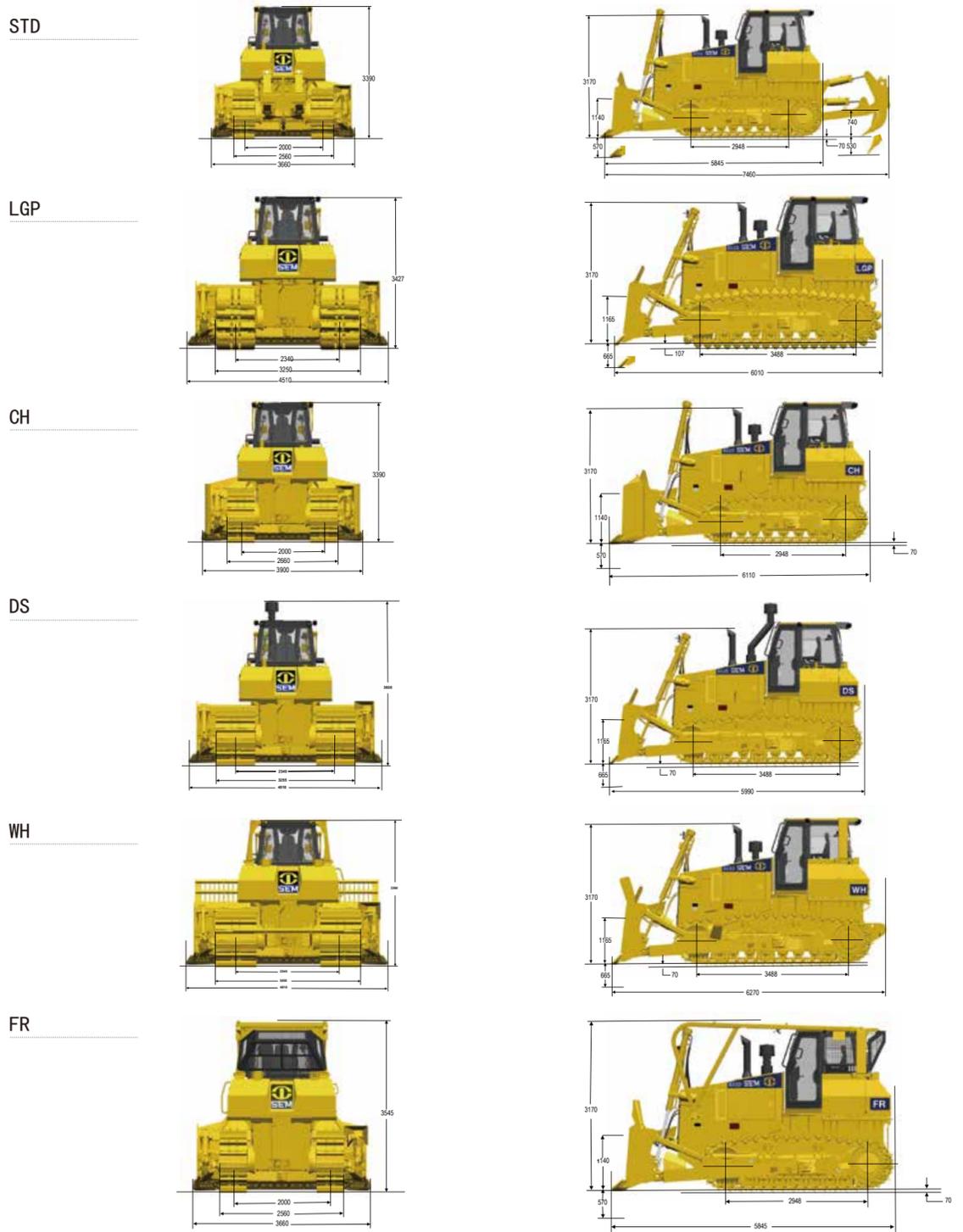


Dimensions



Main Specification

Model	SEM822D	SEM822D LGP	SEM822D CH	SEM822D DS	SEM822D WH	SEM822D FR		
Operating Weight	24,000 kg	27,880 kg	24,760 kg	27,140 kg	28,560 kg	25,760 kg		
Ground Pressure	71.2 kPa	43.0 kPa	62.4 kPa	41.7 kPa	43.8 kPa	76.5 kPa		
Ground Clearance	400 mm							
Max. Slope	30°							
Engine	WD12G240E206							
Rated Power	175 kW/235 hp							
Working Tool								
Blade Type	SU blade	S blade	LGP S blade	Coal blade	U blade	LGP S blade	WH blade	Forestry blade
Blade Capacity	6.4 m³	5.8 m³	5.5 m³	9.2 m³	7.5 m³	5.5 m³	12.7 m³	8.7 m³
Blade Width	3,660 mm	3,800 mm	4,510 mm	3,900 mm	3,900 mm	4,510 mm	4,510 mm	3,660 mm
Blade Height	1,520 mm	1,510 mm	1,350 mm	1,820 mm	1,420 mm	1,350 mm	1,945 mm	1,830 mm
Max. Blade Digging Depth	570 mm	570 mm	665 mm	570 mm	570 mm	665 mm	665 mm	570 mm
Max. Blade Lift Ground Clearance	1,140 mm	1,140 mm	1,165 mm	1,140 mm	1,140 mm	1,165 mm	1,165 mm	1,140 mm
Max. Output Rimpull	350 kN							
Ripper Type	Multi-Shank Ripper	Single-Shank Ripper	/	Multi-Shank Ripper	Single-Shank Ripper	/	/	Multi-Shank Ripper
Max. Digging Depth of Ripper	860 mm	737 mm	/	860 mm	737 mm	584 mm	584 mm	860 mm
Max. Clearance Under Tip	640 mm	742 mm	/	640 mm	742 mm	615 mm	615 mm	640 mm
Powertrain	dual-path, closed loop electronically controlled hydrostatic drive system							
Type	infininitely variable speeds 0-10 km/h							
Steering & Brake	hydrostatic steering; wet, multi-disc brake							
Minimum Steering Radius	4,215 mm	4,300 mm	4,500 mm	4,300 mm	4,300 mm	4,215 mm		
Undercarriage								
Track Shoe Width-Single	560 mm	915 mm	660 mm	915 mm	915 mm	560 mm/660 mm		
Track Shoe Width-APEX	/	910 mm	/	910 mm	910 mm	/		
Track Shoe Quantity	40	45	40	45	45	40		
Track Length On Ground	2,948 mm	3,488 mm	2,948 mm	3,488 mm	3,488 mm	2,948 mm		
Track Gauge	2,000 mm	2,340 mm	2,000 mm	2,340 mm	2,340 mm	2,000 mm		
Track Roller Quantity	7	8	7	8	8	7		
Carrier Roller Quantity	2	2	2	2	2	2		
Hydraulic System	enter close, pilot control							
Type	19 MPa							
Implement Hydraulic System Pressure	19 MPa							
Service Refill Capacities								
Fuel Tank	460 L							
Cooling System	45 L							
Hydraulic Tank	160 L							
Pivot Shaft Case(each side)	0.8 L							
Final Drive(each side)	40 L	45 L	40 L	45 L	45 L	40 L		

Optional Accessories

S = Standard, O = Optional, - = N/A	SEM822D	SEM822D LGP	SEM822D CH	SEM822D DS	SEM822D WH	SEM822D FR
WDEC (Tier II)	S	S	O	S	S	S
High Pre-air Cleaner	-	-	O	S	-	-
Dust Prevention Guard	-	-	S	S	-	-
SU Blade	O	-	O	-	-	O
S Blade STD	O	-	O	-	-	O
U Blade	O	-	O	-	-	O
Coal Blade	O	-	S	-	-	O
S Blade LGP	-	S	-	S	O	-
S Blade WH	-	O	-	O	S	-
FR Blade	-	-	-	-	-	S
SG Shoe (560)	S	-	O	-	-	S
SG Shoe (660)	O	-	S	-	-	O
TG Shoe (700)	O	-	O	-	-	O
SG Shoe (915)	-	S	-	S	-	-
SG Shoe (915,WH)	-	-	-	O	S	-
APEX Shoe(910)	-	O	-	-	-	-
Carrier Roller	S	S	S	S	S	S
Track Roller (One Side 7 units)	S	-	S	-	S	S
Track Roller (One Side 8 units)	-	S	-	-	S	-
Hystat Powertrain	S	S	S	S	S	S
One-piece TRF	S	S	S	S	S	S
STD Cab	S	S	S	S	S	S
FR CAB	-	-	-	-	-	S
Canopy	-	-	-	-	-	S
Drawbar	S	S	S	S	S	S
Super BVD	S	S	S	S	S	S
Radio	O	O	O	O	O	O
Steering Mode Switch	S	S	S	S	S	S
Decelerator Mode Switch	S	S	S	S	S	S
Product Link	O	O	O	O	O	O
70A Alternator	S	S	S	S	S	S
Rear Electric Heated Glass	S	S	S	S	S	S
HVAC	S	S	S	S	S	S
Tools Box	S	S	S	S	S	S
Cup Holder	S	S	S	S	S	S
Sunvisor Hook	S	S	S	S	S	S
Fuel Gauge	S	S	S	S	S	S
Automatically Reversing Fan	S	S	S	S	S	S
Manual Reversing Switch of Hyd Fan	S	S	S	S	S	S
Diagnostic Code Display	O	O	O	O	O	O
Door Wiper	O	O	O	O	O	O
12V Transverter	O	O	O	O	O	O
LED	O	O	O	O	O	O
Beacon	O	O	O	O	O	O
Blade Lamp	O	O	O	O	O	O
Arctic package-25° C,-40° C (Coolant heater, big battery, fan cold start, arctic oil)	O	O	O	O	O	O
Cold package-10° C,-25° C (Cold oil)	O	O	O	O	O	O
Rear Ripper w/3Teeth	O	-	O	-	O	O
Single Shank Ripper	O	-	-	-	-	O
Allied Winch Ready	-	-	-	-	-	O
INI Winch	-	-	-	-	-	O
Seat for ROPS/FOPS	S	S	S	S	S	S
ROPS & FOPS	O	O	O	O	O	O

Caterpillar (Qingzhou) Ltd. Address: No.12999 Nanhuan Road,Caterpillar Industrial Park, Qingzhou City,Shandong Province, Zip Code: 262500 P.R.China
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 Version: February 2019



SEM822D

Efficient: The electronically controlled hydrostatic drive system and multi functional joystick provide high levels of performance and maneuverability

Comfortable Operation: The cabin is ergonomically designed for increased operator comfort and visibility. The advanced monitoring system tracks machine operating conditions and keeps the operator informed of all vital machines functions

Reliable: The proven hydrostat design along with world class pump and motors provide a highly reliable tractor. The undercarriage components are designed for longer life versus the leading competitor

Serviceability: The SEM tractors are designed for easy access to reduce overall maintenance time. The machines electronic control module allows for quick troubleshooting

Website <http://www.semmachinery.com>



Cat® Product Link™

Cat® Product Link™ will support your business, and accurately convey information of the equipment to relevant personnel in a timely and effective manner for your better equipment management



Hydrostatic Drive System



Upgraded hydrostatic system not only leverages Caterpillar automatic, dual path, hydrostatic drive with electronic control technology of the third generation TTT, but also increases efficiency and reliability

- Adopt Rexroth German new generation drive pump to combine control valve, track motor, simplified hose line design, continue to increase the reliability
- Caterpillar high pressure hose provides reliability and durability. Caterpillar control technology provides accurate control and high transmission efficiency
- Integrated the hydrostatic oil tank and implement hydraulic oil tank to improve filtrated precision and cooling capability of hydraulic system, increasing reliability and reducing maintenance cost
- Maintenance costs are reduced by 60% when compared competitors with torque converter and transmission and rear axle
- Counter rotation, power turn and infinitely variable speed save lots of time, increasing working efficiency

Comfortable Operation



- **Counter rotation** — Tracks counter rotate to provide best in class maneuverability
- **Powered turn** — Machine maintains full power through turns to increase productivity
- **Cruise control** — Operators can retain previous speed settings which makes operation easily
- Multi-function joystick allows for counter-rotation, powered turn and cruise control
- Pilot joystick control provides comfortable precise blade operation

Semi-Universal Blade



- SU blade combines the excellent penetration of the S blade and the high production capacity of the U blade
- Designed for superior load retention and penetration in tightly packed materials
- L-shaped push arms bring the blade closer to the machine, providing excellent maneuverability, balance and blade penetration
- Blades feature a strong box section design, made from high tensile strength steel to stand up to the most severe applications

Undercarriage



- Undercarriage is provided by China industry expert ensures high reliability and resistance to wear
- Carrier rollers track rollers and idle rollers are all maintenance free
- Planetary final drive design delivers increased torque ratio for higher transmission efficiency and lower maintenance cost
- Durable final drive bearings and multiple wet disc brakes provide reliability, reduce system heat and extend overall life

Structures



- Machine structures are analyzed using Finite Element Analysis (FEA) and On Machine Stress Analysis (OMSA) to identify and protect high stress areas
- Advanced structure welding technique, relieving welding stress

Modular Radiator



- New advanced cooling system designed to meet -40°C to +50°C ambient temperatures capability
- Modular designed radiator, easy to maintain remove and repair
- Radiator grill provides better heat dissipation, easy access or maintenance

Maintenance



- Electronic Control Module (ECM) fault diagnosis system, automatic diagnosis of eight key parameters
- Monitoring system provides three levels of alarm, to indicate fault diagnosis
- Hydrostatic system has longer service interval (2000 hrs), reduces maintenance time by 50%
- Implement valve mounted outside of hydraulic tank provides easy access to check and service

Blade Options



Optional Attachments

