



MOTOR GRADERS

SEM919

Tractafric
equipment

CAT®

MOTOR GRADERS

SEM919

Overview

CAB A/C, Ripper, Pushbloc, Tires 17.5-25, Working lights

Contact and information

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Key information

BRAND

SEM?

CONDITION

Used

REFERENCE

BX06489

YEAR

2019

HOURS

1140

LOCATION

Vlissingen, NL

VIN

S9R01157

AVAILABILITY

Available

MOTOR GRADERS

SEM919

Technical specifications

MODEL

MODEL	SEM919
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OPERATING WEIGHT

STANDARD	15,070kg
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WITH FRONT & REAR COUNTERWEIGHT	15,870kg
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WITH FRONT BLADE	16,270kg
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WITH RIPPER+FRONT BLADE	17,280kg
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OPERATING SPECIFICATIONS

TOP SPEED, FORWARD	40kph
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TOP SPEED, REVERSE	25kph
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MIN. TURNING RADIUS	7,800mm
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ARTICULATION ANGLE, LEFT /RIGHT	20°
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GRADEABILITY	30°
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WHEELBASE	6,140mm
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TRAVEL SPEED, FORWARD	5.3/9.1/12/20/25/40kph
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TRAVEL SPEED, REVERSE	5.3/12/25kph
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DRAWBAR PULL	85kN
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ENGINE

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ENGINE MANUFACTURER	SDEC
ENGINE MODEL	SC9DK190.1G2
RATED POWER	140 @ 2,200kW @ RPM
MAX. TORQUE	720 @ 1,400~1,600kN@RPM
EMISSION	Tier 2
TRANSMISSION	Hangchi 6WG180
DISPLACEMENT	8.82L
BORE	114L
STROKE	144L
NUMBER OF CYLINDERS	6

TRANSMISSION

BRAND / MANUFACTURER	Advance / HangChi 6WG180
TYPE	Converter, Powershift
POWERSHIFT PRESSURE	1.3~1.7MPa
FORWARD / REVERSE GEARS	6 Forward / 3 Backward
PARKING BRAKE	Air Actuated, Spring

TANDEM AXLE

MOTOR GRADERS

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Technical specifications

BRAND / MANUFACTURER	SEM / Caterpillar
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MODEL	ST23
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DIFFERENTIAL	No-Spin
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SERVICE BRAKE	Air to Oil, Disc
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SECONDARY	Dual Circuit
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OSCILLATION FRONT UP	15°
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OSCILLATION FRONT DOWN	25°
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FRONT AXLE

GROUND CLEARANCE	602mm
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WHEEL LEAN, LEFT / RIGHT	18°
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MAX. OSCILLATION	±16°
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STEERING RANGE, LEFT / RIGHT	47.5°
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HYDRAULIC SYSTEM

CIRCUIT TYPE	Load sensing,PPPC
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PUMP TYPE	Variable Piston
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MAX. PUMP OUTPUT	162.8L/min
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MAX. SYSTEM PRESSURE	22MPa
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STANDBY PRESSURE	2.4~2.6MPa
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POWERSHIFT PRESSURE	1.3~1.7MPa
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MOLDBOARD

BLADE WIDTH, STANDARD	3,974mm
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BLADE WIDTH, OPTIONAL	3,669mm / 4,279mm
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MOLDBOARD HEIGHT	610mm
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MOLDBOARD THICKNESS	25mm
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THROAT CLEARANCE	85mm
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FLOAT FUNCTION	Standard
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MOLDBOARD SIDESHIFT, LH	796mm
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MOLDBOARD SIDESHIFT, RH	678mm
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CIRCLE CENTERSHIFT, LH	926mm
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CIRCLE CENTERSHIFT, RH	758mm
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MAX. BLADE POSITION ANGLE	90°
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BLADE TIP, FORWARD	40°
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BLADE TIP, BACKWARD	5°
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MAX. SHOULDER REACH OUTSIDE OF TIRES, LH	2,394mm
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MAX. SHOULDER REACH OUTSIDE OF TIRES, RH	2,108mm
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MAX. LIFT ABOVE GROUND	475mm
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MAX. CUTTING DEPTH	715mm
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MAX. LIFTING HEIGHT	475mm
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MAX. DRAW-PULL	778kN
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SERVICE REFILL CAPACITY

FUEL TANK	320L
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ENGINE OIL	22L
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COOLANT	65L
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TRANSMISSION	28L
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DIFFERENTIAL CASE	33L
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TANDEM CASE, EACH SIDE	62L
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CIRCLE DRIVE, NON SLIP CLUTCH	2L
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CIRCLE DRIVE, WITH SLIP CLUTCH	7L
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HYDRAULIC OIL TANK	55L
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REAR AXLE (MAIN REDUCER & TANDEM)	157L
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