



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

BX06486

YEAR

2021

HOURS

700

LOCATION

Vlissingen, NL

VIN

S9R01649

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

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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
MAX. CUTTING DEPTH	715mm
MAX. LIFTING HEIGHT	475mm
MAX. DRAW-PULL	778kN

SERVICE REFILL CAPACITY

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