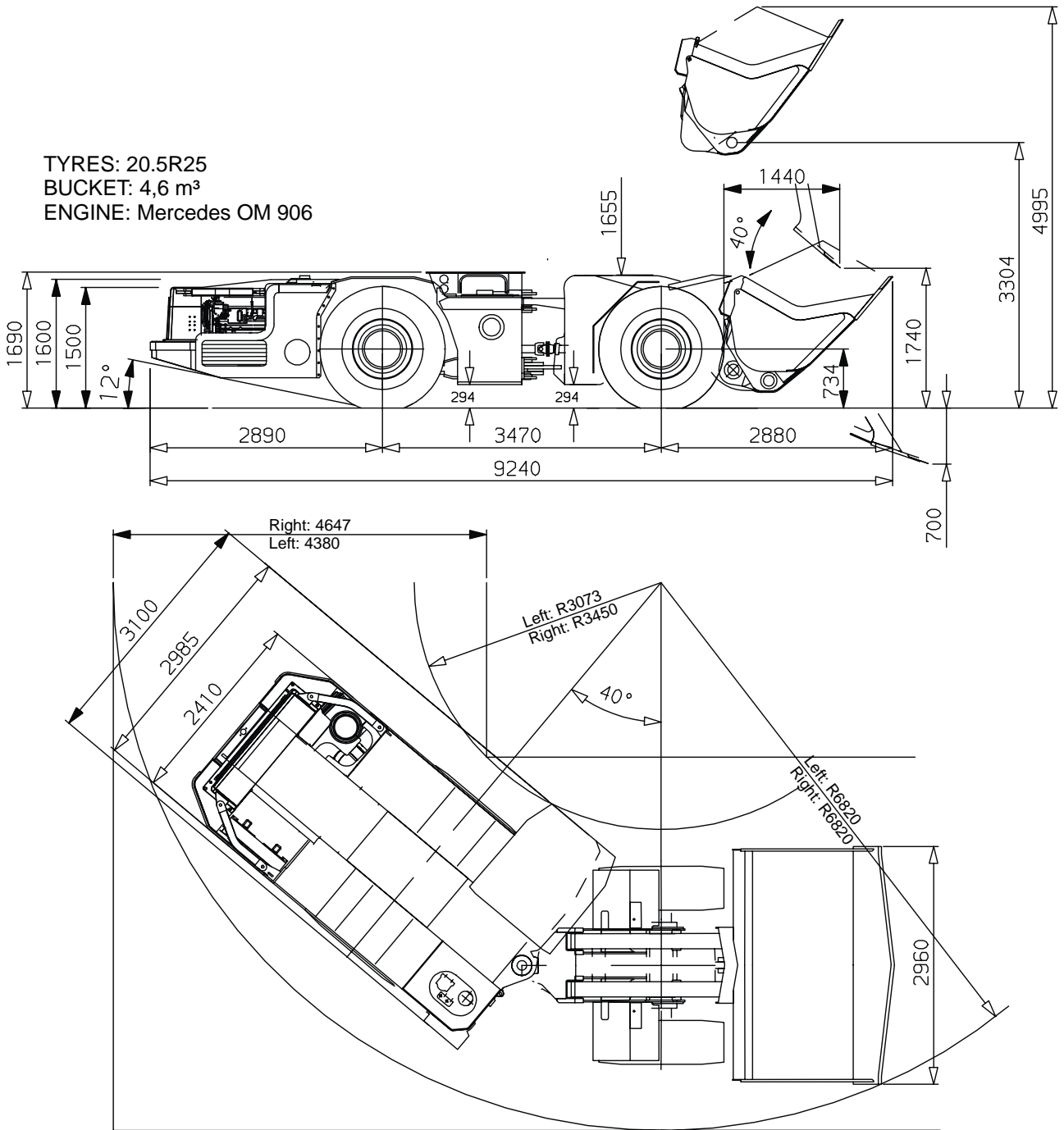


TYRES: 20.5R25
BUCKET: 4,6 m³
ENGINE: Mercedes OM 906



3-295913-6

18092003 EK

Note: Dimensions subject to bucket options

Sandvik Mining and Construction reserves the right to change this specification without further notice



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Main dimensions

Total length	9 240 mm (364")
Width (over frame)	3 100 mm (122")
Maximum width	3 260 mm (128")
Height without safety canopy	1 655 mm (65")
Height with safety canopy	1 690 mm (67")

Weights

Operating weight	24 300 kg
Total loaded weight	33 900 kg
Shipping weight	24 100 kg
Axle weights without load:	
front axle	10 800 kg
rear axle	13 500 kg
Axle weights with load:	
front axle	25 100 kg
rear axle	8 800 kg

Unit weight is dependent on the selected options

Capacities

Tramming capacity	9 600 kg (21 164 lb)
Breakout force, lift	200 kN (20 400 kg) (44 975 lb)
Breakout force, tilt	189 kN (19 300 kg) (42 550 lb)
Tipping load	24 000 kg (52 911 lb)
Bucket std.	4,6 m ³ (6.0yd ³), GET-abrasion system

Bucket motion times

Raising time	7.0 sec.
Lowering time	4.0 sec.
Tipping time	2.5 sec.

Driving speeds forward and reverse

1st gear	4.3 km/h
2nd gear	8.7 km/h
3rd gear	14.6 km/h
4th gear	23.5 km/h

Frame

Rear and front frame	Welded steel construction
Central hinge	Box constructed, adjustable lower bearing

Standard engine

Diesel engine	MERCEDES OM906LA
Output	170 kW/2200 r/min
Torque	810 Nm 1200 -1500 r/min
Number of cylinders	In Line 6
Displacement	6 370 cm ³
Cooling system	Water cooled
Combustion principle	Four stroke, Direct injection
Electric system	24V
Air filtering	Donaldson
Exhaust system	Catalytic purifier, Muffler
Fuel Tank	300 Liters

Standard converter

Dana, C 5402	One-stage, transformation ratio 3,14:1
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Gearbox

Dana R32421	power shift transmission with modulation, four gears forward and reverse, electric gear shift control
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Standard axles

Front axle	Dana, 19D2748 Posi-Stop brakes, Limited-Slip differential, fixed
Rear axle	Dana, 19D2748 Posi-Stop brakes, oscillating ± 10°.

Standard tyres

Size and type	20.5R25 **
	Brand and type subject to availability
Air pressure, front	625 kPa (6.25 bar) (90 psi)
Air pressure, rear	400 kPa (4.0 bar) (58 psi)

Other type of tyres available to user's choice. In certain applications the productive capabilities of the loader may exceed the TKPH value given by tyre manufacturer. Sandvik Mining and Construction Oy recommends that the user consult their tyre supplier to evaluate conditions and to find the best solution for application.

Standard Canopy

ROPS / FOPS certified canopy.	
Height	1690 mm

Steering hydraulics

Joystick controlled, Full hydraulic, frame articulation, power steering with two double acting cylinders. Steering lock. Emergency steering is optional.

Turning angle	±40°
Turning radius (with std bucket):	
Inner left	3 073 mm (121 ")
Inner right	3490 mm (137 ")
Outer	6 820 mm (269 ")

Main components in steering system:

Main valve	
Servo control valve	
Steering cylinders	ø 125 mm (5 ")
Steering hydraulic pump	
Pressure settings:	
Steering hydraulics, main relief valve	18.0 Mpa (180 bar)
Shock load valves	12.0 MPa (120 bar)

Bucket hydraulics

Joystick bucket and boom control. Full hydraulic servo controlled system, equipped with a gear pump. Oil flows to the bucket hydraulic system from the main pump and from the steering hydraulic circuit, when steering is not used.

Main components:

Boom system	z-link
Lift cylinder	ø 160 mm (6.3")
Tilt cylinder	ø 160 mm (6.3")
Servo control valve	
Main valve	
Pump for bucket hydraulics	
Fittings	ORFS

Pressure setting for:

Servo circuit	3.5 MPa (35 bar)
Bucket hydraulics	20.0 MPa (200 bar)
Shock load valves (tilt)	24.0 MPa (240 bar)
Shock load valves (lift)	18.0 MPa (180 bar)
Hydraulic oil tank capacity	appr. 400 l (106 gal)

Standard brakes

Service brakes are spring applied, hydraulically released multidisc wet brakes (Posi-Stop) on all wheels, two separate circuits for the front and rear axle. Service brakes also function as an emergency and parking brake. Electrically driven pump for brake releasing. Automatic brake activation ABA.

Main components in the brake system:

- Pressure accumulator
- Brake pedal valve
- Charging valve

Standard Lubrication system

Centralized manual lubrication

Electrical equipment

Alternator	28 V 100 A, Bosch
Batteries	2 x 12 V, 145 Ah
Starter	4 kW 24 V, Bosch
Driving and working lights	4 pcs in front (H3 70W) 4 pcs in rear (H3 70W)

Electrical gauges, signal lights for hydr. oil and fuel level.

Safety equipment

- Seat belt
- Lockable main switch
- Reverse alarm
- External shutdown, 2 pcs in rear

Others

Decal language EU-languages

Standard manuals

Instructions Manual	
-Operator's Manual	EU-languages
-Maintenance Manual	EU-languages
Parts Manual	English
Service and Repair Manual	English
ToolMan CD, (2 pcs)	In pdf format
-Instructions Manual	
-Operator's Manual	
-Maintenance Manual	
-Parts Manual	
-Service and Repair Manual	

Main options:

- * Replaces standard equipment
- *Ejector bucket 4.0 m³ (5.2 yd³), width 2960 mm (115 in).
- *Bucket 5.4 m³ (7.1 yd³), width 3100 mm (122 in), GET-abrasion system
- *Cabin with air conditioning, ROPS/FOPS certified, height 1690 mm.
- * Automatic central lubrication.
- Readiness for ejector bucket
- Fire suppression system ANSUL, 8 nozzles (CEN).
- ANSUL fire suppression, two tank with 8 nozzles, CHECKFIRE
- Extinguisher 12 kg.
- RRC HBC complete.
- RRC interface HBC
- Disassembly needed shaft dim:TBA.
- Emergency steering (CEN)
- Accordance with CE-norms (CEN)
- Reverse alarm (CEN)
- Ride control system for boom
- Stainless steel turning cylinder rods
- Lockable main switch
- Flashing beacon (CEN with RRC)
- CatBase/LinkOne spare part manuals and additional Instructions, Workshop, Spare part manuals, ToolMan CD's are available.

