

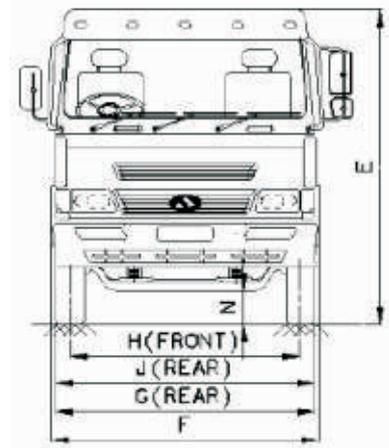
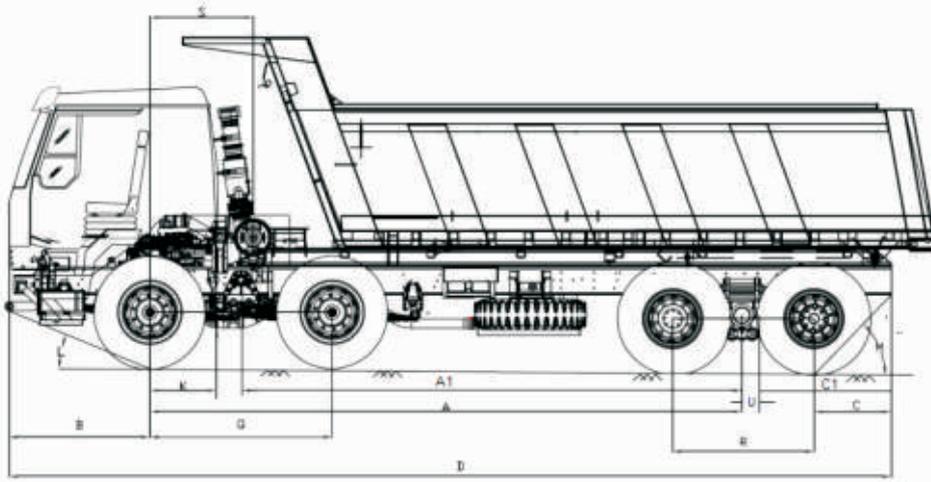


AMW 3118 TIPPER BEST-IN-CLASS PERFORMANCE

Passion, innovation and customer satisfaction. These are the core values that drive **AMW Motors Ltd.**

From heavy trucks to special application vehicles, AMW builds products that increase profits and productivity for customers. One such product is **Tipper 3118** from the AMW stable; specifically built for the mining industry to transport coal across any terrain. AMW Tipper 3118 delivers the best of all worlds—dependability, low operating costs, great visibility, high driver comfort and easy maintenance.

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AMW 3118 TP

CHASSIS NOMINAL DIMENSIONS - Unladen (mm)

A	Wheel Base	: 5535
A1	Wheel Base	: 4660
B	Front Overhang	: 1350
C	Rear Overhang	: 670
C1	Rear Overhang	: 1243
D	Overall Length	: 8230
E	Overall Height (Cab)	: 2700
F	Overall Width (Cab)	: 2475
G	Overall Width (Rear Tyres)	: 2494
H	Wheel Track - Front	: 2020
J	Wheel Track - Rear	: 1856
K	Front Axle to Back of Cabin	: 760
L	Approach Angle	: 30°
M	Departure Angle	: 64°
N	Min Ground Clearance - Front:	280
O	Min Ground Clearance - Rear :	270
P	Frame Width	: 864
Q	Distance between front axles :	1750
R	Distance between Rear axles :	1350
S	Distance between front axles to rear of air intake bracket	: 1000
U	Distance between Center of rear axles to reference line of Rear overhang	: 102

WEIGHTS (Kgs)

	Unladen chassis*	Laden (CMVR)
Front Axle :	6090	12000
Rear Axle :	6470	19000
Total :	12560	31000

*With 20 cu. m. Box Body

ENGINE

Model: CUMMINS – B 5.9 180 31 - BS III
 Type: Compression ignition Turbocharged & Intercooler, Water Cooled, DI - Diesel Engine
 No. of Cylinders: 6nos Inline
 Bore x Stroke: 102 x 120 mm
 Displacement: 5883 CC
 Max Power: 132 KW (178 BHP) @ 2500 rpm
 Max Torque: 675 Nm @ 1500 rpm
 Compression Ratio: 18:01
 Oil Sump Capacity: 15.4 Ltrs
 Air Filter: Dry type Remote Mounted
 Oil Filter: Full Flow Paper Type
 Fuel Filter: Single filter with water separator
 Fuel Injection Pump: Rotary FIP
 Fuel Tank: 240 Ltrs

CLUTCH

Single dry plate Coil spring type 380mm Dia clutch, Hydro pneumatically operated.

GEAR BOX

Model: 9S FS-6209X GB- Synchronmesh
 Speed Ratios
 Crawler – 12.64, I – 8.81, II – 6.55, III – 4.77, IV – 3.55, V – 2.48, VI – 1.85, VII – 1.34, VIII – 1, Reverse – 13.21

PROPELLER SHAFT

No of shafts: 3 (1 Center Bearing Shaft, Drive Shaft and Inter axle shaft between two rear axles)
 XS Flange -GB to rear Axle, 1710 series propeller shaft Dia Spl.90 series inter axle shaft.

REAR AXLE

Fully floating Tandem Rear Axles – Both Driven Hypoid Bevel Gears with Inter axle diff. lock – air operated. Ratio: 6.17

FRONT AXLE

Forged I Section – Reverse Elliot type – 2 Nos

FRAME

HSLA Steel, Ladder Type Bolted Cross members. Frame Side Member: 270 x 82 x 7mm Channel and Fully reinforced with 7mm thk flitch
 No. of Cross members: 6

BODY & TIPPING SYSTEM

All steel welded body construction with Automatic Tail gate. Capacity – 20/18/16 Cu. m
 Box body 4 Stage Single Ram, Front end Tipping – Max tipping angle 51°

SUSPENSION

Front : 2 Semi elliptical leaf springs.
 Span : 1650mm at first front axle and 1600mm at second front axle Shock absorber only on first front axle.
 Rear : Fully articulated inverted Semi elliptical leaf Springs on Tandem Bogie Trunnion & with Torque rods.
 Span : 1350mm

STEERING

Twin Steerable Front axle. Integral Power Steering with UJ, ZF 8046. Gear Ratio 26.2:1
 Adjustable steering wheel
 Steering Wheel Dia: 470 mm
 Optional: Hubei Forni, Gear Ratio 26.7:1

WHEELS & TYRES

Rims: B7.5 x 20 – 10 Bolts, Spigotted
 Tyres: Front: 10.00 – 20, 16 PR - 4 No's (Rib)
 Rear: 10.00 – 20, 16 PR – 8 No's (Lug)
 Spare: 10.00 – 20, 16 PR - 1 No (Rib)

BRAKES

Service Brakes: Pneumatic, Foot operated, Dual line on all wheels with Automatic slack adjuster. Parking Brake: Hand operated spring actuated on both Rear Axles Engine Exhaust Brake: Butterfly type, provided.

ELECTRICAL SYSTEM

System : 24 Volt (Negative Earth)
 Alternator: 75 A
 Battery: 2 x 12V x 100 Amp hr (20 hr rating)
 A/C. Wiper Motor – Electrically operated with 3 Blade wiping system

CABIN

Fully furnished, Hydraulic Tilttable Sleeper semi suspended Cab with A/C
 Seating capacity: 2 in all

PERFORMANCE (@ 25000Kgs)

Max Speed - geared (KMPH)	: 78
Max. Gradeability (%) @ 31T	: 28.32%
Max. Gradeability (deg) @ 31T	: 12.74°
Min. Turning Circle Diameter (mm)	: 20000

Disclaimer:

Any modification related to chassis to be done with prior approval from R&D, AMW.

Do not weld or drill chassis.
 Technical Specifications are subject to change without notice.
 Accessories shown are not part of the standard fitment.



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