

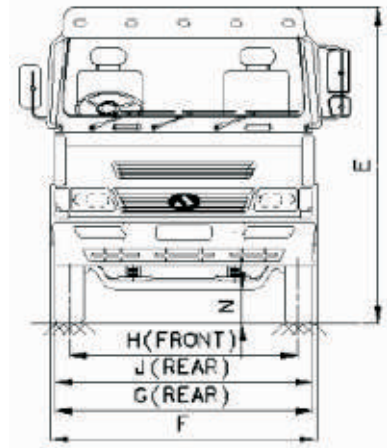
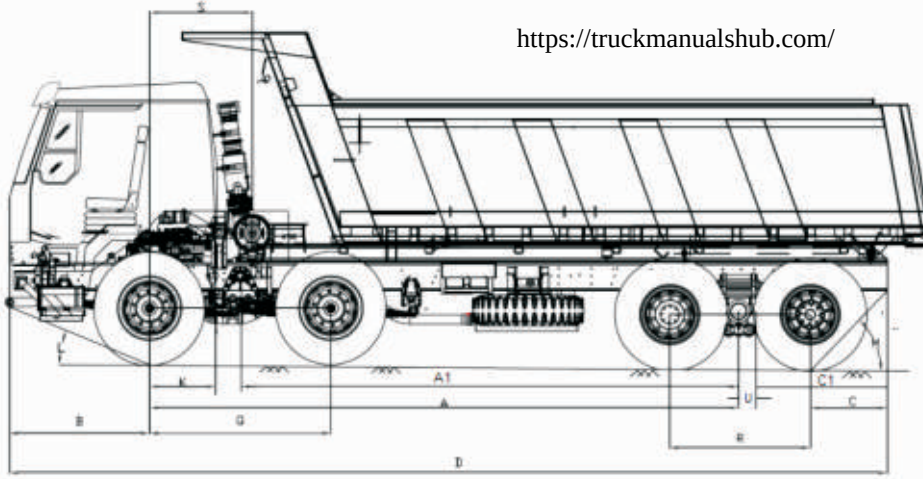


# AMW 3118 TIPPER BEST-IN-CLASS PERFORMANCE

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.

**AMW Motors Ltd.**



## AMW Motors Ltd.

## 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– Synchromesh  
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.