

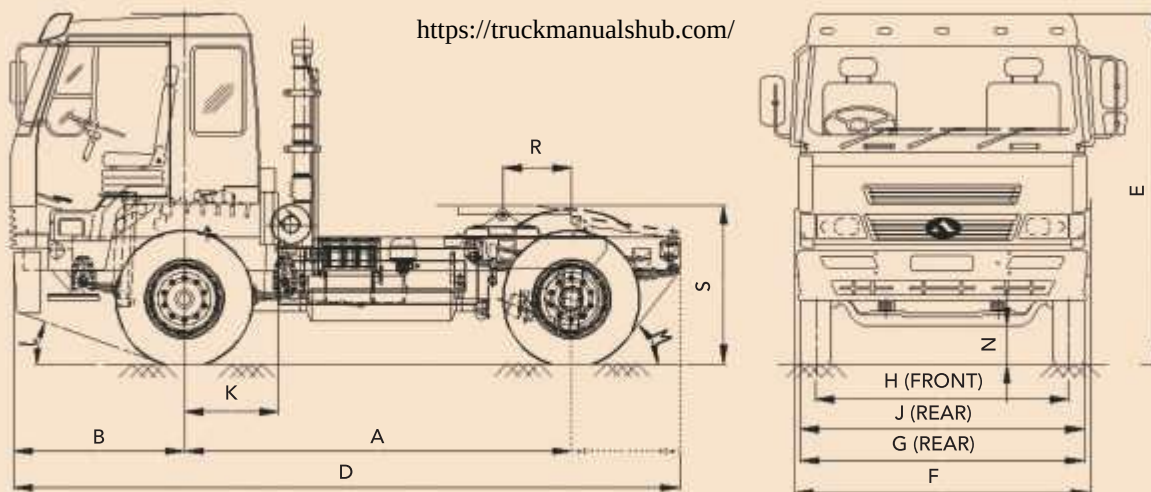


**AMW**

**BUILT TO WIN**

**3518 TR**





## Asia MotorWorks Ltd.

## AMW 3518 - 3100 WB 4 x 2 TRACTOR

### CHASSIS NOMINAL DIMENSIONS - Unladen (mm)

|                                                         |        |
|---------------------------------------------------------|--------|
| A) Wheel Base                                           | : 3100 |
| B) Front Overhang                                       | : 1350 |
| C) Rear Overhang                                        | : 870  |
| D) Overall Length                                       | : 2890 |
| 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                                       | : 20°  |
| M) Departure Angle                                      | : 54°  |
| N) Min Ground Clearance - Front                         | : 280  |
| O) Min Ground Clearance - Rear                          | : 270  |
| P) Frame Width                                          | : 864  |
| Q) King pin size                                        | : 2"   |
| R) King Pin Offset                                      | : 550  |
| S) Height of fifth wheel coupling from ground (Unladen) | : 1366 |

### WEIGHTS (Kgs)

|            | Unladen | Laden (CMVR) |
|------------|---------|--------------|
| Front Axle | : 2980  | 6000         |
| Rear Axle  | : 2050  | 10200        |
| Total      | : 5030  | 35200*       |

\* When coupled with the suitable tandem axle semi trailer

### ENGINE

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Model               | : CUMMINS - B5.9 18031 - BS III                 |
| Type                | : DI - Turbo Charged after Cooled Diesel Engine |
| No. of Cylinders    | : 6 inline                                      |
| Bore x Stroke       | : 102 x 120 mm                                  |
| Capacity            | : 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 Type                                   |
| Fuel Tank           | : 240 Ltrs                                      |

### CLUTCH

SETCO, Single Dry Plate Coil Spring type, Hydro Pneumatically operated. Dia 380 mm

### GEAR BOX

Model: Eaton ES 9306 SD Gear Box – Synchromesh  
Speed Ratios:  
I – 9.01, II – 5.27, III – 3.22, IV – 2.04  
V – 1.36, VI – 1.00, Reverse – 8.63

### PROPELLER SHAFT

1710 HD Series-GB to rear Axle

### REAR AXLE

Fully floating single speed hypoid gear  
Ratio: 6.17 / 6.83 (optional)

### FRONT AXLE

Forged "I" Beam – Reverse Elliot type

### FRAME

HSLA Steel, Ladder Type Bolted Cross members.  
Side Member: 256 x 75 x 7 mm Channel reinforced with inner channel section of 5 mm thick.

### SUSPENSION

Front: Semi elliptical leaf springs with shock absorber.  
Span : 1650 mm  
Rear : Semi elliptical multi leaf spring with helper spring.  
Span : 1600 mm

### SHOCK ABSORBERS

Heavy duty, double acting hydraulic shock absorbers on front suspension.

### STEERING

Integral Power Steering, with Double UJ. Ratio 20.4  
Adjustable Steering Wheel.  
Steering Wheel Dia: 475 mm

### WHEELS & TYRES

Rims : B7.5 x 20 – 10 Bolts, Spigotted  
Tyres : Front : 10.00 X 20 – 16 PR - 2 Nos (Highway)  
Rear : 10.00 X 20 – 16 PR – 4 Nos (Lug)

### BRAKES

Service Brakes : Dual Circuit full Air  
Parking Brake : Spring actuated on Rear Axles  
Engine Exhaust brake : Butterfly type, provided

### ELECTRICAL SYSTEMS

System : 24 Volt (Negative Earth)  
Alternator : 75 A for A/C  
Battery : 2 x 12V x 120 Amp hr

### CABIN

Fully furnished, Tilttable Sleeper Cabin.  
A/C (Optional)

### FIFTH WHEEL COUPLER

Pressed steel construction, with automatic wear adjuster.  
King pin size : 2" dia

### PERFORMANCE (@ 35,200Kgs)

|                               |                         |
|-------------------------------|-------------------------|
| Max Speed - geared (KMPH)     | : 77 (With 6.17 RAR)    |
| Max Speed - geared (KMPH)     | : 70 (With 6.83 RAR)    |
| Max. Gradeability (%)         | : 16.89 (With 6.17 RAR) |
| Max. Gradeability (%)         | : 18.90 (With 6.83 RAR) |
| Min. Turning Circle Radius-mm | : 6350                  |

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

