

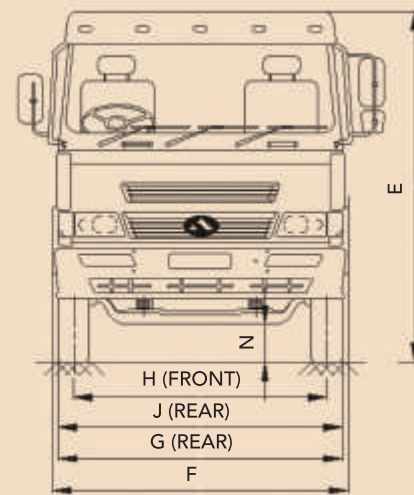
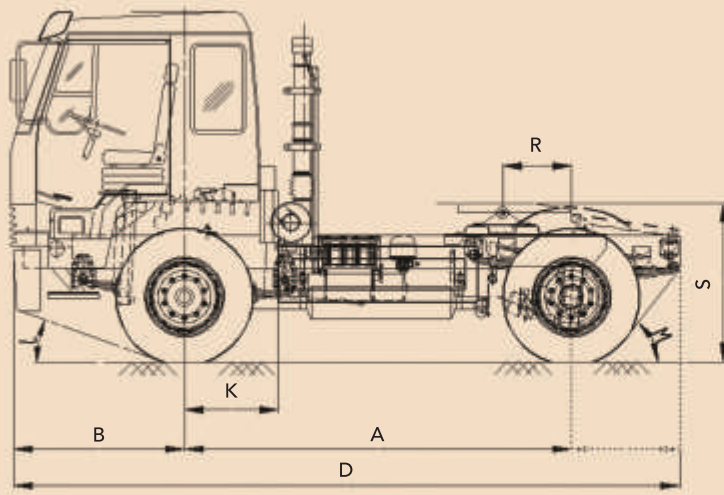


**AMW**

**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



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