

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	: 5320
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.

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 130 Amp hr

CABIN

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

FIFTH WHEEL COUPLER

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

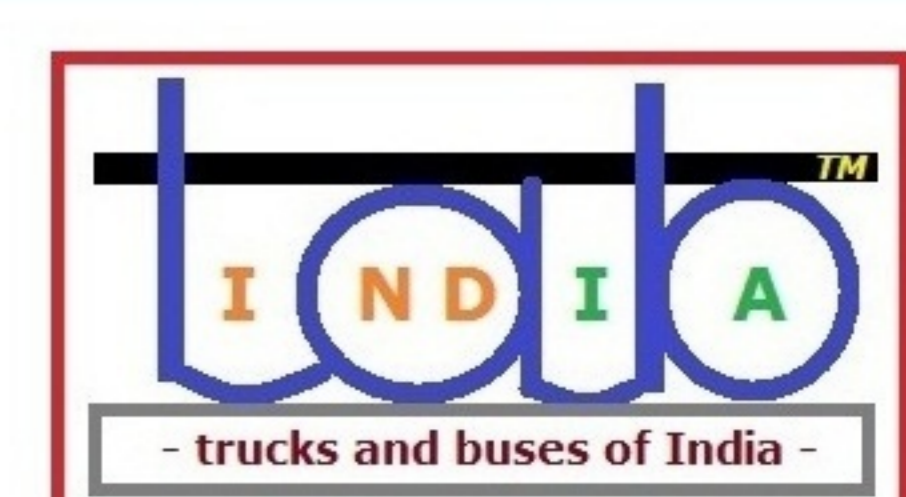
PERFORMANCE (@ 35,200Kgs)

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

Technical Specifications are subject to change without notice.



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