

## Asia MotorWorks Ltd.

## 4923 - 3850 WB 6 X 4 TRACTOR

### CHASSIS NOMINAL DIMENSIONS - Unladen (mm)

A) Wheel Base	: 3850
B) Front Overhang	: 1360
C) Rear Overhang	: 1400
D) Overall Length	: 6610
E) Overall Height (Cab)	: 3050
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	: 64°
N) Min. Ground Clearance - Front	: 284
O) Min. Ground Clearance - Rear	: 270
P) Frame Width	: 864
Q) King Pin Size	: 2"
R) King Pin Offset	: 375
S) Height of 5 <sup>th</sup> Wheel Coupling from Ground	: 1332

### WEIGHTS (Kgs)

	Unladen chassis	Laden (CMVR)
Front Axle	: 3345	6000
Rear Axle	: 4190	19000
Total	: 7690	*44000 **49000

### ENGINE

Model	: CUMMINS – B5.9 215HP – BSIII
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	: 158 KW (235 BHP) @ 2500 Rpm
Max. Torque	: 836Nm @ 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	: 400 Ltrs

### CLUTCH

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

### GEARBOX

Model : 9S1110 ZF Gearbox – Synchronesh  
Speed Ratios: Crawler 12.73  
I – 8.83, II – 6.28, III – 4.64, IV – 3.48, V – 2.54, VI – 1.81, VII – 1.34, VIII – 1.0, Reverse – 12.04

### PROPELLER SHAFT

1710 Series: GB to R1 Axle,  
SPL90 Series - Inter axle R1 to R2 axle

### REAR AXLE

Fully Floating Rear Axles with Hypoid Bevel Gears for forward rear axle & heavy duty tubular trailing dummy axle  
Ratio: 6.17:1

### FRONT AXLE

Forged "I" Beam - Reverse Elliot type

### FRAME

BSK 46 Steel, Ladder Type Bolted Cross members.  
Side Member: 270 x 82 x 7 mm Channel reinforced with inner channel section of 7 mm thick

### SUSPENSION

Front: Semi Elliptical leaf springs with shock absorber  
Span: 1650 mm  
Rear : Fully articulated inverted Semielliptical Leaf Springs on Tandem Bogie Triunion with Torque rods  
Span: 1350 mm

### SHOCK ABSORBERS

Heavy Duty, Double-Acting Hydraulic Shock Absorbers on Front Suspension

### STEERING

Integral Power Steering, with Double UJ. Ratio 20.4:1  
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 – 8 Nos (Lug)  
Spare: 10.00 X 20 – 16 PR - 1 Nos (Highway)

### BRAKES

Service Brake: Dual Circuit Full Air  
Parking Brake: Spring Actuated on Rear Axles  
Engine Exhaust Brake: Butterfly Type, Provided

### ELECTRICAL SYSTEM

System : 24 Volts (Negative Earth)  
Alternator : 75 Amps (A/C)  
Battery : 2 x 12v x 130 Amp hr (20 hr rating)

### CABIN

Fully furnished, Tilttable Sleeper Cabin, A/C

### PERFORMANCE (@ 45,000 Kgs)

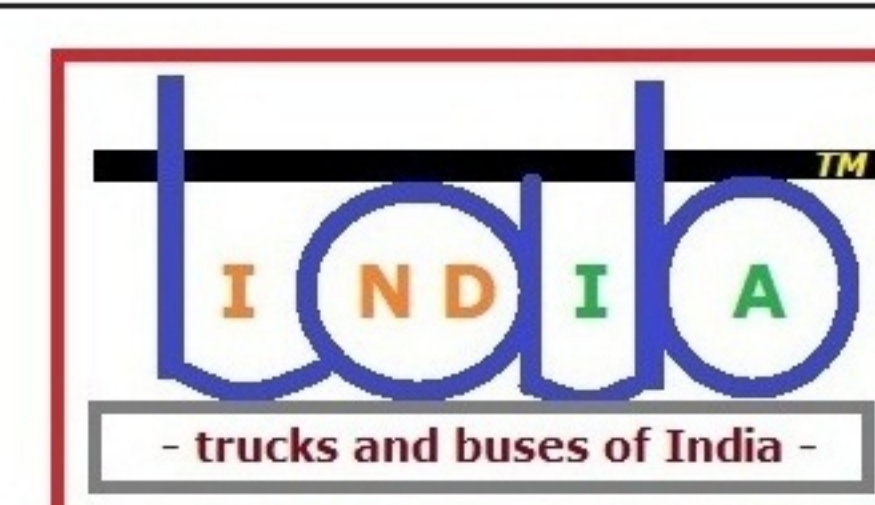
Max. Speed - Geared (KMPH) : 60.00  
Max. Gradeability (%) Running : 23.9  
First gear (KMPH) : 16.27  
Min. Turning Circle Radius-mm : 8450

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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