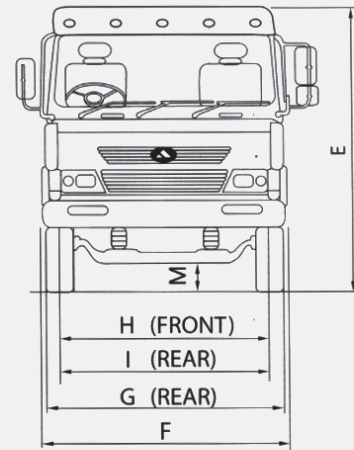
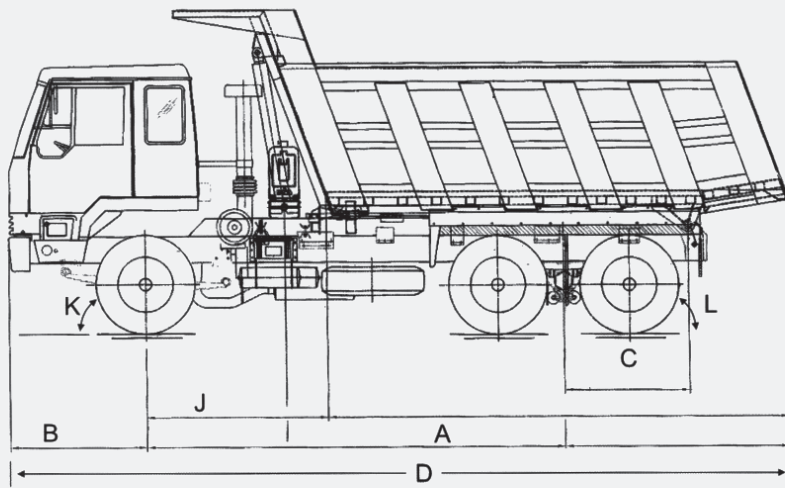


2523 TP
Rock Body





Asia MotorWorks Ltd.

2523 - 4300 WB 6 X 4 TIPPER

CHASSIS NOMINAL DIMENSIONS - Unladen (mm)

A) Wheel Base	:	4300
B) Front Overhang	:	1295
C) Rear Overhang	:	1440
D) Overall Length	:	7110
E) Overall Height (Cab)	:	2780
F) Overall Width (Cab)	:	2370
G) Overall Width (Rear Axle)	:	2494
H) Track - Front	:	2020
I) Track - Rear	:	1856
J) Front Axle to Back of Cabin	:	760
K) Approach Angle	:	19°
L) Departure Angle	:	60°
M) Min Ground Clearance	:	270
N) Frame Width	:	864

WEIGHTS (Kgs)

	Unladen Chasis	Unladen Vehicle With Body	Laden (CMVR)
Front Axle	: 3470	4800	6000
Rear Axle	: 4210	7750	19000
Total	: 7680	12550	25000

ENGINE

Model : CUMMINS - B5.9 215HP - BS III
 Type : DI – Turbo Charged Cooled Diesel Engine
 No. of Cylinders : 6 Inline
 Bore x Stroke : 102 x 120 mm
 Capacity : 5883 cc
 Max Power : 158 KW @ 2200 Rpm
 Max Torque : 836 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 : 220 Ltrs

CLUTCH

SETCO, Size: 380 dia
 Single Dry Plate Coil Spring type
 Hydro-Pneumatically operated.

GEARBOX

Model: 9S 1110 ZF Gear Box – 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 - 1.00, Reverse - 12.04

PROPELLER SHAFT

1710 Series drive shaft – GB to R1Axle;
 SPL 90 Series – Inter Axle R1 Axle to R2 Axle

REAR AXLE

Fully floating Tandem Hande Hub Reduction Rear Axles – Both Driven Hypoid Bevel Gears with Interaxle diff.

Lock – Air Operated Ratio: 6.72

FRONT AXLE

Forged "I" Section - Reverse Elliot type

FRAME

BSK 46 Steel, Ladder Type Bolted Cross members.
 Side Member: 270 x 82 x 8mm Channel Reinforced with inner channel section of 7mm Thick

SUSPENSION

Front: Semi - Elliptical leaf springs with shock absorbers. Span : 1650mm.

Rear : Fully articulated Inverted Semi – Elliptical leaf Springs on Tandem Bogie Trunnion & with Torque Rods. Span : 1350 mm

SHOCK ABSORBERS

Heavy Duty, Double Acting Hydraulic Shock Absorbers on Front Suspension - 2 Nos.

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: 11.00 X 20 – 16 PR - 2 Nos (Rib)
 Rear: 10.00 X 20 – 16 PR – 8 Nos (Lug)
 Spare : 11.00 X 20 – 16 PR - 1 No (Rib)

BRAKES

Service Brake : Dual Circuit full air
 Parking Brake : Spring Actuated on Rear Axles
 Engine Exhaust Brake : Butterfly Type.

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

BODY & TIPPING SYSTEM

14 cu.m. rock, body with rock breakers & sandwich floor, Single ram, Front end Tipping - Tipping angle > 48°

PERFORMANCE (@ 31,000 Kgs)

Max Speed - Geared (KMPH) : 80
 Max. Gradeability (%) (restricted by tyre adhesion):

	Running	Restart
Crawler	54	54
First Gear	32	31
Min. turning Circle radius (mm) : 8810		

Do not weld or drill chassis

Technical Specifications are subject to change without notice
 Accessories shown are not part of the standard fitment

