

BL200-1

FRONT END LOADER

- More Productivity
- Powerful & BSIII Compliant Engine
- Easy Manueverability
- Easy Maintenance
- More Operator Comfort
- More Reliability



Gross Power : 99 kW (133 hp) @ 2300 r/min
(as per ISO: 1585)

Bucket Capacity : 1.7 m³

BL200-1 FRONT END LOADER

Salient Features :

- H6ETIC3RU23-BS III Ashok Leyland Turbo-charged engine for fuel economy and generous HP to weight ratio for wide range of loading applications complying with Bharat stage III emission norms.
- 2F-1R Powershift transmission for smooth and responsive shift for instant speed and directional changes.
- Pilot operated hydraulic system offers effortless fine control of Bucket through joy stick.
- Smooth Orbitrol Steering system provide excellent maneuverability during gradual and sharp turns with enhanced operator comfort.
- Engine and Transmission are mounted on anti-vibration rubber cushions to isolate vibration and to reduce noise levels.



ENGINE

Make	Ashok Leyland
Model	H6ETIC3RU23-BS III
Type	Diesel, 4-stroke Water-cooled, turbo-charged, direct injection.
Gross Power	99 kW (133 hp) @ 2300 r/min. (as per ISO: 1585)
No. of Cylinders	6, inline
Cooling system	Water pump 45 GPM Twin port upward
Lubricating system	1 in 1 sump, Rocker cover with oil filler arrangement, heavy duty plate type oil cooler.
Control System	Twin lever for throttle connection
Electrical System	24V/4.5 kW Lucas starter motor.



TRANSMISSION

Model	AVTEC TT2221 - 1
Torque converter type	twin turbine, integral
Transmission	
Type	Power shift
No. of Gears	2F / 1R



STEERING

Type	Fully hydrostatic power steering system independent of engine speed with Orbitrol type Steering
Relief pressure setting	175 bar (17.5 Mpa)



AXLES

Type	Both axles fully floating, planetary type final drive. Front axle rigid mounted & Rear axle oscillating type with limited slip differential.
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SPEED

	AVTEC TT2221 - 1	
Gear	1st	2nd
Forward (kmph)	6	36
Reverse (kmph)	22	



BRAKES

Service brake	Four wheel, internal wet multiple disc brakes.
Parking Brake	Mechanical, Dry disc, on transmission output shaft



STANDARD EQUIPMENT

1.7 m³ (STD. Bucket)

OPTIONAL ATTACHMENTS

1.2 m³, 1.5 m³, 2.3 m³, 2.5 m³, 3.0 m³, 3.2 m³ BUCKET
Multipurpose Bucket, Dozer Blade

Optional Fittings :

Centralised Auto Lubrication, AFDSS, Rear View Camera

INSTRUMENTATION

Dash Board	Aesthetically designed instrument panel for better readability.
Gauges / Warning	Backlit electrical gauges & Audio visual warning system
Wire harness	Newly designed wire harness with blade fuse links, drip proof connectors and bicolour coded cables to improve safety and reliability of electrical system.

HYDRAULIC SYSTEM

Hydraulic pump

Type	Gear pump
Capacity	155 l/min @ engine rated speed
Relief pressure	210 bar (21.0 MPa)

Hydraulic cylinder	Qty	Bore x Stroke
Lift cylinder	2	∅120 mm x 700 mm
Dump cylinder	1	∅ 130 mm x 474 mm
Steering cylinder	2	∅ 70 mm x 460 mm

Controls Through hydraulic Joystic, pilot operated

Pilot Pressure : Relief set at 35 bar

COOLANT & LUBRICANT REFILL CAPACITY

System	Capacity (litre)
Hydraulic	81
Fuel tank	170

TYRES

Type	14 x 25, 20PR, (L3), TUBELESS TYRE
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CABIN

Cabin Steel Cabin, spacious, comfortable & high visibility cabin fitted with 2 doors and 2 side windows, sliding rear window and safety glass all around.

LOADER PERFORMANCE

Bucket capacity (SAE rated)	1.7m ³
Max. Dumping clearance	2800 mm
Operating height (fully raised)	4775 mm
Max. Digging depth	250 mm
Bucket dumping angle	45°
Maximum traction force	9880 kg
Break out Force	9900 kg
Articulation	38° each side

OPERATING MASS

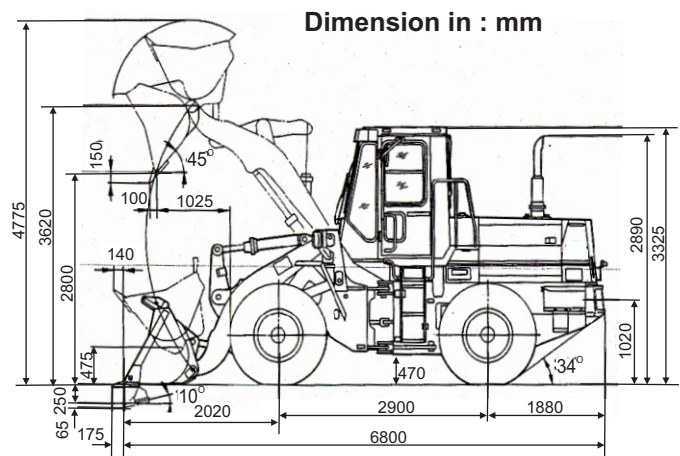
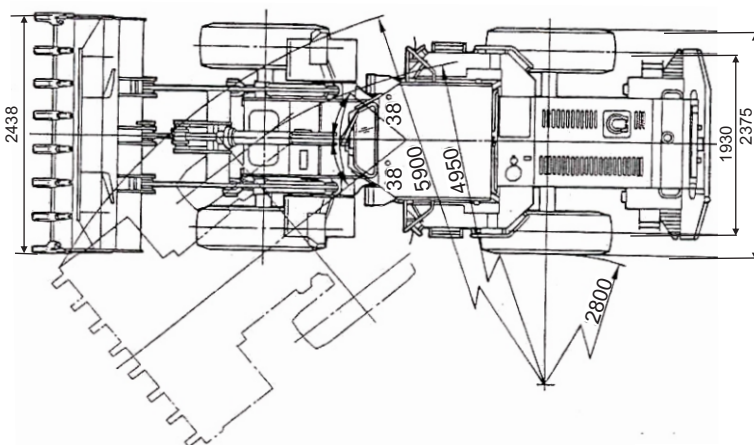
Operating Mass	10500 kg (including Cabin)
Payload	3000 kg

FILTRATION

Engine	Replaceable Spin-on type filter for lubrication as well as for fuel line
Transmission	One magnetic oil strainer and one replaceable element bypass filter is provided
Hydraulic System	Magnetic plug & replaceable element type filter is provided

BUCKET CAPACITY

SI No.	Density of the Material	Bucket Size
	Handled (kg/m ³)	(in m ³)
1.	2500 - 2600	1.2
2.	2000 - 2100	1.5
3.	1700 - 1800	1.7 (Std.)
4.	1300 - 1350	2.3
5.	1200 - 1250	2.5
6.	1000 - 1025	3.0
7.	925 - 975	3.2



Material and specifications are subject to change without notice, Illustrations may include optional equipment & accessories

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Loader From BEML :

BL200-1

BL30-1

BL40

Form No. BL200-1/01/2020