

# BL200-1

**FRONT END LOADER**

- High Productivity
- Powerful CEV stage IV compliant Engine
- Easy Manueverability
- Easy Maintenance
- Better Operator Comfort
- More Reliability



Gross Power : 99 kW (133 hp) @ 2300 r/min

Bucket Capacity : 1.7 m<sup>3</sup>

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## FRONT END LOADER

### Salient Features :

- H Series Ashok Leyland Turbo-charged engine for wide range of loading applications complying with CEV stage IV emission norms.
- 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	H Series CEV Stage IV
Type	Diesel, 4-stroke, Common Rail, Electronic, Water-cooled, Turbo-charged, Direct injection.
Gross Power	99 kW (133 hp) @ 2300 rpm.
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.
Electrical System	24V/4.5 kW Lucas starter motor.



### TRANSMISSION

Model	Power Shift AVTEC TT2221 - 1
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 ZF make planetary type final drive. Front Axle rigid mounted and Rear Axle oscillating type.
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### SPEED

	Max.
Gear	
Forward (kmph)	36
Reverse (kmph)	22



### BRAKES

Service brake	Four wheel, wet multiple disc brakes hydraulic actuated with air booster
Parking Brake	Mechanical, Dry disc, on transmission output shaft



### STANDARD EQUIPMENT

1.7 m<sup>3</sup> (STD. Bucket)

### OPTIONAL ATTACHMENTS

1.2 m<sup>3</sup>, 1.5 m<sup>3</sup>, 2.3 m<sup>3</sup>, 2.5m<sup>3</sup>, 3.0m<sup>3</sup>, 3.2m<sup>3</sup> Bucket  
Multipurpose Bucket, Dozer Blade

### Optional Fittings :

Centralised Auto Lubrication, AFDSS, Rear View Camera

## INSTRUMENTATION

Dash Board	Aesthetically designed Electronic Dash Board for better readability.
Gauges / Warning	Backlit electrical gauges & Audio visual warning system

## HYDRAULIC SYSTEM

### Hydraulic pump

Type	Gear pump	
Capacity	156 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.
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## LOADER PERFORMANCE

Bucket capacity (SAE rated)	1.7m <sup>3</sup>
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

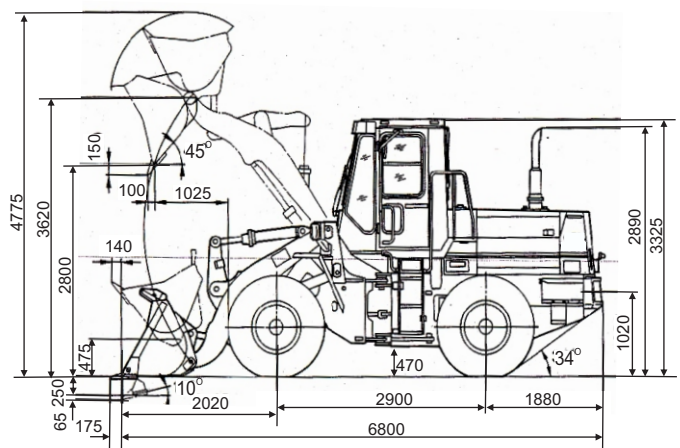
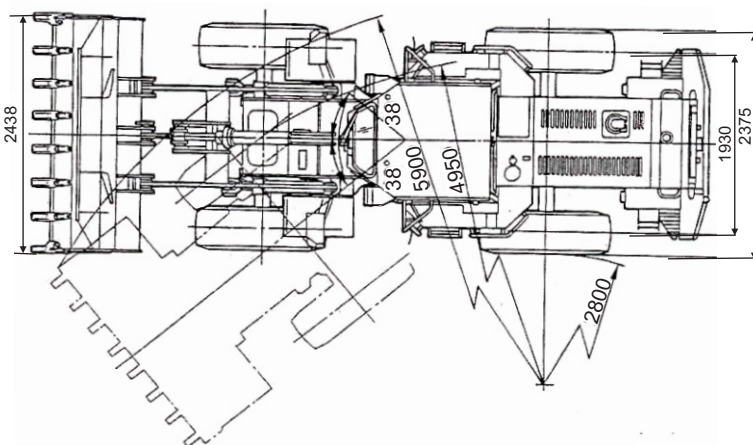
## FILTRATION

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

Sl No.	Density of the Material Handled (kg/m <sup>3</sup> )	Bucket Size (in m <sup>3</sup> )
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

Dimension in : mm



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



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