



LOADERS

DESCRIPTION	Units	BL200
-------------	-------	-------

ENGINE

Make		Ashok Leyland /BEML
Model		ALU 402/ B6D105
Power	hp/rpm (kW)	108/2400 (81)
Operating weight	kg	9150
Bucket capacity (std.)	cum	1.7
Bucket capacity range	cum	1.5-3.2

POWER TRAIN

Transmission		Power shift
Front axle		Semi floating
Rear axle		Semi floating
Rear axle oscillation		+/- 15 degrees each
Final drive		Planetary

HYD.SYSTEM

Pump type		Gear pump
Relief pressure	kg/sqcm	210

PERFORMANCE

No.of travel speeds		4F / 2R
Min.travel speeds	kmph	6.0/7.2
Max.travel speeds	kmph	30/15
Turning radius	mm	5620
Breakout force	kg	10650

BRAKES

Service brake		Hyd. actuated inboard mounted wet disc brakes
---------------	--	---

Tyre size : Front/Rear		14.00 x 25 - 20 PR (L-3)
------------------------	--	--------------------------

LOADER EQUIPMENT

Loader linkage		Z-bar
Operating height	mm	4775
Dumping clearance		
45 deg dump level	mm	2840
Dumping reach at 45 deg dump angle	mm	1014
Articulation angle	degrees	40 (each side)
Fuel Tank cap.	ltrs	170

DIMENSIONS

Overall Length	mm	6715
Overall width	mm	2440

BL1420

Cummins(India)		
NT-495-C		
126/2000 (94)		
14500		
2		
1.6-3.0		

Power shift Clark transmission		
Fixed type		
Oscillates up or down		
+/- 12 degrees each side		
Planetary		

Gear pump		
140		

4F / 4R		
6.0 / 6.0		
31.6 / 31.6		
6000		
13,508		

Wet multiple disc type

18.00x25-24PR(L-3)		
--------------------	--	--

Z-bar		
4900		
2900		
1070		
30 (each side)		
185		

6525		
2750		

BL30

BEML		
SA6D110 / BS6D125-1		
205 / 2200 (153)		
19350		
3.4		
2.0 - 4.2		

Power shift		
Full floating		
Full floating		
+/- 15 degrees each side		
Planetary		

Gear pump		
210		

4F / 4R		
6.8 / 7.4		
33.5 / 35.8		
6575		
19,500		

Air over Hyd. Actuated out board mounted wet disc brakes		
Dry disc type		
23.50 x 25-20PR(L-3)		

Z-bar		
5430		
3000		
1665		
40 (each side)		
293		

7820		
3050		



BACKHOE LOADER

DESCRIPTION	Units	BL9H	BL9H (4X4)
ENGINE			
Make		KOEL / BEML	KOEL / BEML
Model		4R-1040 / B4D105	4R-1040T / BS4D105
hp/rpm (kW)		72 / 2200 (54)	90/2200 (66)
Operating Mass	kg	7600	8000
Bucket Capacity	cum	Loader 1.0 Backhoe 0.24	Loader 1.0 Backhoe 0.24
LOADER PERFORMANCE			
Operating Height (Fully raised)	mm	4380	4380
Bucket Breakout Force	kg	5895	5895
Max. dumping Clearance	mm	2700	2700
BACKHOE PERFORMANCE			
Max. cutting height	mm	5805	5805
Max. dumping height	mm	4020	4020
Max. digging depth	mm	4550	4550
Max. digging reach on ground	mm	5465 from slew	5465 from slew
BREAKOUT FORCE			
Arm crowd force	kg	3060	3060
Bucket digging force	kg	5559	5559
DIMENSIONS			
Overall length (loader bucket on ground)	mm	6230	6230
Overall width (excl. bucket)	mm	2260	2260
overall height	mm	2770	2770
Wheel base	mm	2160	2160