

INVEST SMART WORK SMART



 **BULL SMART**

ENGINE

Kirloskar 4R 810T, Turbo charged BS-III diesel engine.
 Aspiration : Turbocharged
 No. of cylinder : 4
 Displacement : 3240 cc (3.24 lit)
 Bore X Stroke : 96 mm X 112 mm
 Compression Ratio : 17:1
 Gross power : 44.8 KW (60 HP) at 2400 RPM
 Rated Speed : 2400 rpm
 Air cleaner : Dry type
 Colling system : Water Cooled
 Fuel Injection Pump : Rotary type
 Exhaust : Vertical

HYDRAULICS

SMART Technology hydraulics : 2900 p.s.i (200 bar)
 Pump flow : 120 lpm @ 2400 rpm.

TRANSMISSION

Make/Type : CARRARO Synchroshuttle Transmission
 No. of speed : 4
 Gear box : Synchromesh with integral torque convertor & electrically operated forward & reversing shuttle
 Gear lever : 4 Pattern gear levers with transmission disconnect switch adds to the overall ease of operation.

BRAKES

Brakes : Hydraulically actuated, dual line, self adjusting, compensated oil immersed & multi-disc on the rear axle.
 Foot pedal: Two independently operatable foot pedals
 Parking : Hand operated.

ELECTRICALS

88 Ampere-hour 12 volts battery system with alternator and full road lighting.

SPEED (Km/hr)

Gear	Forward	Reverses
1st	5.81	5.81
2nd	9.3	9.3
3rd	20.2	-
4th	30.00	-

(std tyres, with zero torque convertor slip)

WEIGHT

Shipping : 6200 Kgs

AXLE

Rear : Drive axle rigidly mounted, incorporates Max-trac torque proportioning differential, driven by short propshaft from gearbox.
 Front: Steer axle, centrally pivoted with oscillation angle $\pm 16^\circ$

STEERING

Type : Front wheel hydraulic power steering with manual capability in the event of engine or hydraulic power failure.
 Working Pressure: 1595 psi (110 bar)

TYRES

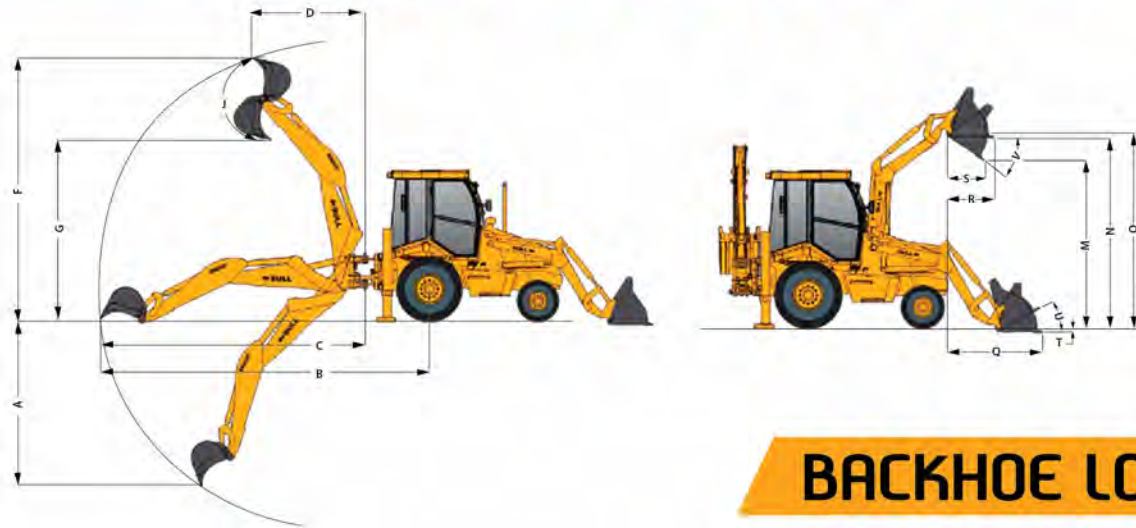
Front : 9.00-16-16 PR
 Rear : 14.00-24-14 PR (industrial)

TURNING CIRCLE

Inner wheels braked
 Outside loader bucket 8.62 m
 Outside wheels 6.1 m
 Inner wheels not braked
 Outside loader bucket 10.85 m
 Outside wheels 8.1 m

OPTIONS

- ➔ Excavator Buckets
 - Capacities
 - 0.23 cu.m (standard)
 - 0.1 cu.m
 - 0.17 cu.m
 - 0.21 cu.m
 - Ditch cleaning bucket
 - Square hole bucket
- ➔ Rock Breaker
- ➔ Ripper tooth
- ➔ Loader booster bucket with 12.98 ft dump height
- ➔ Heavy duty / OTR rear tyres
 - 14 X 24 - 20 PR
 - 14 X 25 - 20 PR



BACKHOE LOADER

EXCAVATOR SPECIFICATIONS	in (m)	in (ft-inch)	LOADER SPECIFICATIONS	in (m)	in (ft-inch)
Standard bucket capacity	0.23 cum	8.12cft	Standard bucket capacity	0.90 cum	32 cft
A Maximum dig depth	3.56 m	11 ft - 8.1 in	M Dump height	2.72 m	8 ft -11.0 in
B Reach at ground level to rear wheel center	6.32 m	20 ft - 8.7 in	With booster bucket (option)	3.96 m	12 ft -11.8 in
C Reach at ground level to slew centre	5.1 m	16 ft - 8.7 in	N Load over height	3.42 m	11 ft -2.6 in
D Reach at full height to slew centre	2 m	6 ft - 6.7 in	O Pin height	3.56 m	11 ft -8.1 in
F Max. working height	5.4 m	17 ft - 8.5 in	Q Reach at ground	1.83 m	6 ft -
G Max. load over height	3.74 m	12 ft - 3.2 in	R Reach at full height	1.12 m	3 ft -8.1 in
J Bucket rotation - power	200°		S Reach at full height-bkt dumped	0.69 m	2 ft -3.1 in
Bucket tear out force	5610 kgf	-	T Below ground level dig depth	0.05 m	2 in -
Dipper tear out force	2200kgf	-	U Rollback at Ground	53°	-
			V Dump angle	45°	-
			L Width over bucket	2.10 m	6 ft - 10.7 in



Booster Bucket



Bale Grabber



Grabbing Fork



Fork Lift



Stone Bucket



Sugarcane Grabber



Detachable Dozerblade



6 in 1 Bucket

"39 types of application specific quick interchangeable loader bucket options"

Exclusive **Distributor** in Bangladesh



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* Due to continuous Product Development, features and specification are subject to change