

HD 76

 **BULL**



- w Cost High Performance Machine
- rkins / Kirloskar Engine
- Power / Carraro Transmission



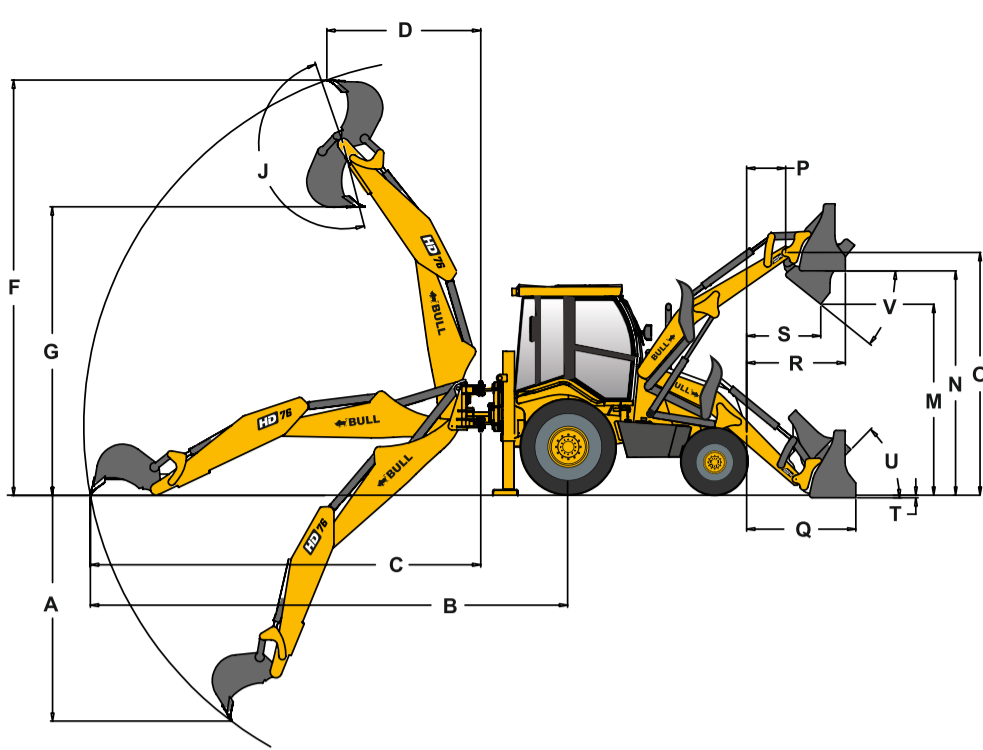
▲ Road Roller Compactor



▲ Concrete Mixer



▲ Booster Bucket



EXCAVATOR PERFORMANCE

STANDARD **EXTENSION (OPTION)**
meters ft-inch meters ft-inch

	Standard bucket capacity	0.27 cu.m.(standard)			
A	Maximum dig depth	4.6 m	15ft-1in	5.60 m	18ft-4in
B	Reach ground level to rear wheel centre	6.81 m	22ft-4in	7.91 m	25ft-11in
C	Reach ground level to slew centre	5.50 m	18ft	6.60 m	21ft-7in
D	Reach at full height to slew centre	2.85 m	9ft-4 in	3.56 m	11ft-8in
F	Maximum working height	5.92 m	19ft-5in	6.77 m	22ft - 2in
G	Maximum load over height	4.14 m	13ft-6in	5.02 m	16ft-5in
J	Bucket rotation - power	188°			
	Bucket tear out force	6072kgf			
	Dipper tear out force	3150kgf			
	Lift capacity to bucket pivot at full reach (No bucket fitted)	1400kgs			

Loader Performance

WITH LINK BRACKET **WITHOUT LINK BRACKET**
meter ft-inch meter ft-inch

	Standard bucket capacity	1.1 cu. m G.P Showel			
M	Dump height	2.93 m	9 ft - 7.3 in	2.96 m	9 ft - 8.5 in
N	Load over height	3.39 m	11 ft - 1.4 in	3.39 m	11 ft - 1.4 in
O	Pin height	3.61 m	11 ft - 10 in	3.61 m	11 ft - 10 in
P	Pin forward reach	0.42 m	1 ft - 4.5 in	0.42 m	1 ft - 4.5 in
Q	Reach at ground	1.47 m	4 ft - 9.87 in	1.47 m	4 ft - 9.87 in
R	Reach at full height	1.42 m	4 ft - 7.9 in	1.28 m	4 ft - 2.3 in
S	Reach at full height bucket dumped	1.1 m	3 ft - 7.3 in	0.89 m	2 ft - 11 in
T	Bellow ground level dig depth	0.08 m	3 in	0.1 m	3.9 in
U	Roll back at ground	50°		49°	
V	Dump angle	45°		45°	
L	Width over bucket (standard)	2.35 m			
	Bucket break-out force	8183 kgf			
	Loader arm break-out force	5251 kgf			
	Pay load	1800 kgf			
	Lifting capacity at loader arm hook pin	2500 kgf @ 220 bar			

Trench Bucket



Rock Breaker



Booster Bucket (12.98 ft Dump Height)

Bale Grabber

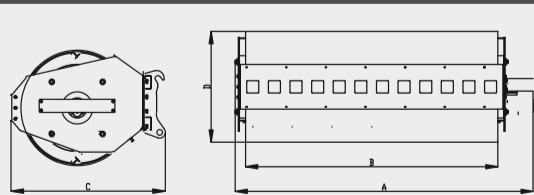
Concrete mixer

Fork Lift

Road Roller Compactor

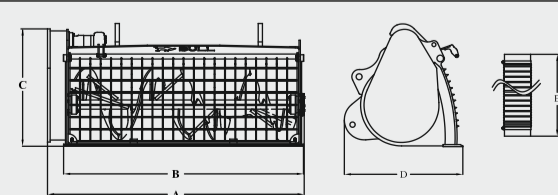
With Quick Hitch

ROAD ROLLER COMPACTOR



Specification	mm	in (ft-in)
A Overall Length (mm)	2260	7 ft 4.97 in
B Drum Length (mm)	2100	6 ft 10.5 in
C Overall Height (mm)	900	2 ft 11.4 in
D Overall Width (mm)	1230	4ft 0.35 in
Drum Diameter (mm)	900	2 ft 11.4 in
Operating Weight (kgf)	1500 kgf	
Vibrating Speed (rpm)	2500 rpm	
Vibrating Weight (kgf)	1000 kgf	
Drum Oscillation or Tilt (deg.)	12°	

CONCRETE MIXER



Specification	mm	in (ft-in)
A Overall Length (mm)	1960	6 ft 5.1in
B Bucket Length (mm)	1818	5 ft 11.5 in
C Overall Height (mm)	890	2 ft 11.03 in
D Overall Width (mm)	898	2 ft 11.35 in
E Flexible Discharge Hose (mm)	2000	6 ft 6 in
Bucket Capacity (Litres)	600ltr (21.2 cft)	
Type of Transmission	Chain Drive	
Easily Attachable With Quick Hitch Mechanism		
Hydraulic bottom opening to discharge Concrete		

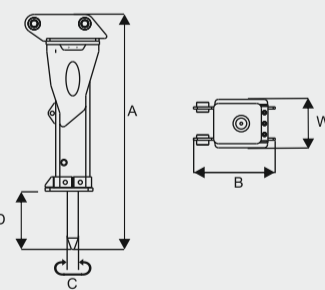
Engine	Kirloskar 4R 1040, TC BS - BS - III Diesel Engine Gross Power : 56.7 KW (76HP) @ 2200 RPM Gross Torque : 300 Nm @ 1500 RPM
Transmission	CARRARO synchro - shuttle transmission with integral torque converter.
Steering	Power Steering.
Drive	2 WD & 4 WD options available.
Electricals	12V Battery System (130 Ah)
Speed	Forward Max 40 Km/Hr Reverse Max 9.3 Km/Hr
Hydraulics Smart Technology	Hydraulics : 3335 psi (230 bar) Pump O/P : 113 LPM @ 2200 RPM
Weight	7850 Kgs with Standard GP Bucket option
Tyres	FRONT 2WD - 9.00x16 - 16PR 4WD - 12.5/80x18 - 12PR REAR Industrial - 16.9 x 28 - 12 PR Heavy Duty - 14 x 25 - 20 PR
Options	Excavator Buckets Capacities - 0.27 cu.m (standard) Options - 0.14 ,0.19, 0.23cu.m

- Multipurpose 6 in 1 Bucket
- Telescopic Dipper
- Ac Cabin
- Booster Bucket 13ft Dump Height
- Rock Breaker
- Ripper Tooth
- Cabin Heater / Cold Starting Kit
- Trench Bucket

- Low owning & operation cost resulting in better ROI.
- "State of the art" Manufacturing plant with powder coating process for extended life.
- HD 76 - Smart Technology Hydraulics high on Performance, Low on power consumption.



ROCK BREAKER



Specification

Total weight (kg)	420
A Total height (mm)	1725
B Breadth (mm)	600
C Diameter of tool (moil/chisel/blunt) (mm)	80
D Length of working tool(mm)	430
W Width (mm)	390
Hydraulic operating pressure (bar)	120-150
Hydraulic flow range (LPM)	60-90
Impact frequency (BPM)	530-1000
Suitable carrier weight class (tons)	5.2-9
N2 pressure (bar)	12-16.5

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