

**HD 100**

 **BULL**



- High on Performance
- Worldwide support for Perkins & ZF

**ENGINE** : PERKINS 1104D-44TA, EU NRMM 97/68/EC EURO III 3A,  
Gross Power, **74.5 Kw (100HP) @2200 RPM.**  
Max Torque: **410 Nm @ 1400 RPM**

**TRANSMISSION** : ZF Power Shift Transmission with  
integral torque convertor

**STEERING** : Power steering.

**ELECTRICALS** : 12 V battery system (180AH)

**SPEED** : Forward Max **37 Km/Hr**  
Reverse Max **22 Km/Hr**

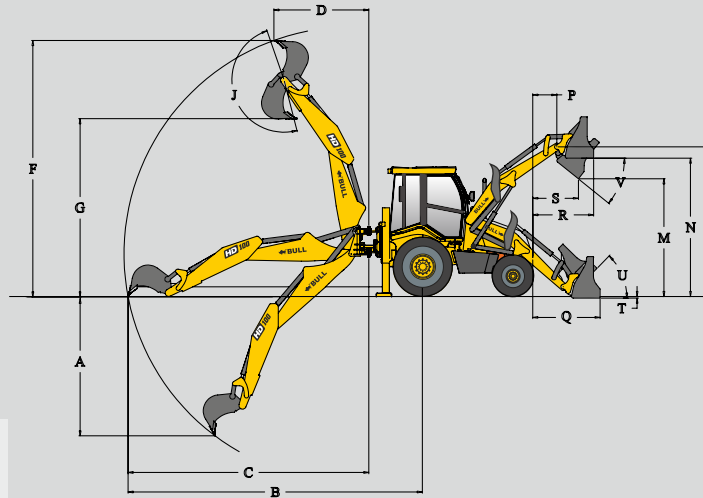
**HYDRAULICS** : Smart Technology hydraulics : **3480 psi (240 bar)**  
Pump flow : **145 Lpm @ 2200rpm.**

**WEIGHT** : **8200 Kgs** with Standard **GP** bucket option

**TYRES** : Front : **2 WD** : 9 x 16 - 16 PR  
**4 WD** : 12.5/80 x 18 - 12 PR  
Rear : **Industrial** : 16.9x28 - 12 PR  
**Heavy Duty** : 14 x 25 - 20 PR

**OPTION** : Excavator Buckets,  
Capacities • 0.27 cu.m  
Options • 0.23 cu.m, 0.19 cu.m, 0.14 cu.m  
\* Pilot operated BHO joystick  
We fit standard X pattern control lever  
with a choice of + pattern control lever.

- Ditch Cleaning Bucket
- Square hole Bucket
- Rock Breaker
- Ripper Tooth
- Trench bucket
- Cabin Heater
- Taper Ditching Bucket
- Multipurpose Bucket(6 in 1 bucket)
- Telescopic Dipper
- AC Cabin
- Cold Starting Arrangements
- Loader booster bucket with  
12 f t- 98 inch dump height



EXCAVATOR PERFORMANCE	STANDARD		EXTENSION (OPTION)	
	in (m)	in (ft-inch)	in (m)	in (ft-inch)
Standard Bucket Capacity	0.27 cu.m (standard)			
A Maximum DIG Depth	4.60 m	15 ft - 1 in	5.59 m	18 ft - 4 in
B Reach Ground Level to Rear wheel center	6.80 m	22 ft - 4 in	7.91 m	25 ft - 11 in
C Reach Ground Level to slew center	5.50 m	18 ft	6.60 m	21 ft-7 in
D Reach at full Height to slew center	2.85 m	9 ft - 4 in	3.56 m	11 ft - 8 in
F Maximum working Height	5.92 m	19 ft - 5 in	6.77 m	22 ft - 2 in
G Maximum Load over Height	4.14 m	13 ft - 6 in	5.02 m	16 ft - 5 in
J Bucket Rotation - Power	188°			
Bucket Tear out Force	6851 kgf*			
Dipper Tear our Force	3316 kgf*			
Lift capacity to bucket Pivot at full Reach (without Bucket)	1400 kgs*			
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	2.96 m	9ft -7.3in	2.96 m	9 ft-8.5 in
N Load Over Height	3.39 m	11ft-1.4in	3.39 m	11 ft-1.4 in
O Pin Height	3.61 m	11ft-10in	3.61 m	11ft-10in
P Pin Forward Reach	0.42 m	1ft - 4.5in	0.42 m	1ft-4.5in
Q Reach at Ground	1.60 m	5ft - 2.9in	1.47 m	4 ft - 9.87in
R Reach at full height	1.42 m	4ft - 7.9in	1.28 m	4ft-2.3in
S Reach at full Height bkt Dumping	1.1 m	3ft - 7.3in	0.89 m	2ft-11in
T Below 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°	
Bucket Break-out Force	8793 kgf			
Loader Arm Break-out Force	5642 kgf			
Pay Load	2000 kgf			
Lifting capacity at loader arm hook pin	2600 kgf @230 bar			



## BULL MACHINES PVT.LTD.,

SF.NO. 5/1A, L&T By Pass junction, Trichy Road,  
Coimbatore - 641 103. INDIA

Ph: 0422 6612201 (3 lines), 98426 70184

Mobile: +91 98422 87770, Email: sales@bullmachine.com exports@bullmachine.com

**Service Helpline no : 88832 88832.**

Dealer :

\*All dimensions, shapes, weight & specifications may have allowed variance. The information contained in this leaflet is for illustration purpose only, BULL reserves the right to change without prior notice.