# THE MOST EFFICIENT
# BACKHOE LOADER IN THE WORLD

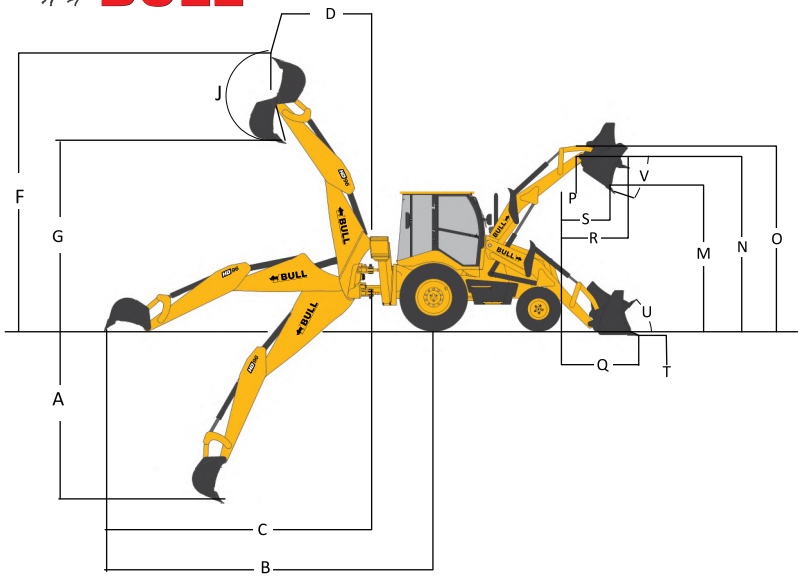
BULL

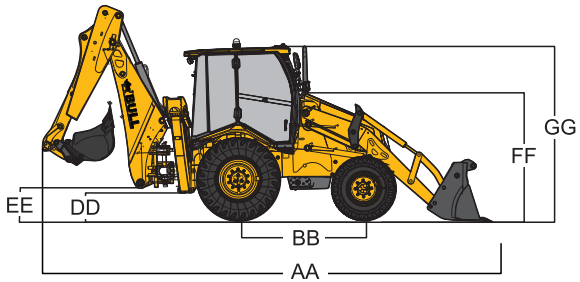


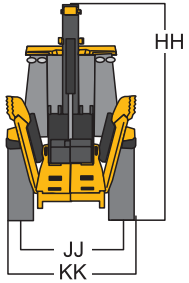

**HEAVY DUTY HD 96**

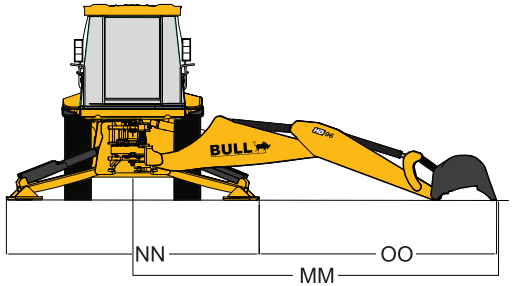
***THE TRUE ALL ROUNDER***

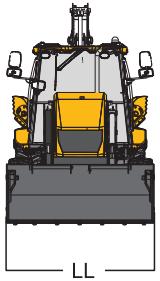
BULL




## SERVICE CAPABILITIES

| | SYSTEM | SERVICE |
|---|---|---|
| Hydraulic Tank | 120 Ltr | 100 Ltr |
| Fuel Tank | 150 Ltr | 145 Ltr |
| Engine Coolant | 17 Ltr | 15 Ltr |
| Engine Oil | 13 Ltr | 13 Ltr |
| Transmission | 19.5 Ltr | 13 Ltr |
| Rear Axle | 17 Ltr | 17 Ltr |
| 4WD Front Axle | 10 Ltr | 10 Ltr |

| | EXCAVATOR PERFORMANCE | HD 96 STANDARD | HD 96 EXTENSION (OPTIONAL) |
|---|---|---|---|
| | Standard bucket capacity (GP) | 0.22 cu.m | |
| A | Maximum digging depth | 4.82 m | 5.93 m |
| B | Ground to rear wheel center distance | 6.77 m | 7.8 m |
| C | Ground level to rotation center height | 5.47 m | 6.5 m |
| D | Full height reach to rotation center | 2.82 m | 3.61 m |
| E | Stabilizer Spread | 3.87 m | |
| F | Maximum working height | 6.17 m | 7.04 m |
| G | Maximum load over height | 4.48 m | 5.36 m |
| J | Bucket rotation – Power | 201° Square cut Bucket | |
| | Bucket breakout force | 6320 Kgf | |
| | Boom breakout force | 3580 Kgf | |
| | Lifting capacity at pivot (without bucket) | 1642 kgf | |

| | LOADER PERFORMANCE | |
|---|---|---|
| | Standard bucket capacity | 1.26 cu.m G.P Showel |
| M | Dump height | 2.96 m |
| N | Load height exceeded | 3.39 m |
| O | Height at pin | 3.61 m |
| P | Reach before pin | 0.42 m |
| Q | Ground reach | 1.60 m |
| R | Full height reach | 1.42 m |
| S | Bucket dump reach | 0.08 m |
| T | Digging depth below ground | 0.1 m |
| U | Ground rollback | 50° |
| V | Dump angle | 45° |
| | Bucket breakout force | 8793 kgf |
| | Loader arm breakout force | 5642 kgf |
| | Payload | 2000 kgf |
| | Lifting capacity at hook point | 3600 kgf @ 230 bar |

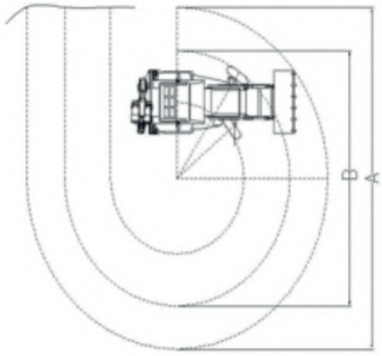
| | STATIC DIMENSIONS | |
|---|---|---|
| AA | Overall length | 6.04 m |
| BB | Wheelbase | 2.22 m |
| CC | Swing pivot travel | 1.03 m |
| DD | Minimum ground clearance | 0.48 m |
| EE | Ground clearance at orientation | 0.65 m |
| FF | Height to top of hood | 1.99 m |
| GG | Height to top of cab | 3.00 m |
| HH | Overall height | 3.71 m |
| JJ | Rear track width | 1.70 m |
| KK | Front track width | 1.93 m |
| LL | Overall width without bucket | 2.35 m |
| MM | Side reach up to the centerline of the machine | 6.08 m |

| | HD 96 |
|---|---|
| **ENGINE** | Kirloskar 4R1040T Non Emission Diesel Engine (4160 CC)<br>Gross Power<br>**70.6 kW (96 HP) @ 2200 RPM**<br>Gross Torque<br>**377 Nm @ 1400 RPM** |
| **HYDRAULIC** | Smart Technology hydraulics : **3480 p.si. (240bar)**<br>Pump O/P : **134 LPM @ 2200 RPM**<br>: **145 LPM @ HIGH RPM**<br>Pump type : **GEAR PUMP** |
| **STEERING** | Power steering |
| **TRANSMISSION** | **CARRARO** Synchro - Shuttle Transmission with integral torque converter |
| **TYRES** | **FRONT**<br>**2WD**- 9.00X16 - 16PR<br>**4WD**- 12.5/80X18 - 12PR<br>**REAR**<br>(Standard) : 19.5LX24 - 12PR<br>**Optional** : 16.9X28 - 12PR<br>**Heavy Duty** : 14X25 - 20PR |
| **DIRECTION** | Power steering |
| **WEIGHT** | **8150 Kgs** with Standard **GP** Bucket option |
| **BACKHOE BUCKET OPTIONS** | 0.10 cu.m, 0.22 cu.m, 0.31 cu.m |
| **TRACTION** | 4WD Transmission (Four-wheel drive) |
| **ELECTRIC** | 12V battery system **(180 Ah)** |
| **SPEED** | Max front : **40 Km/Hr**<br>Max rear : **20.3 Km/Hr**<br>(3rd gear recommended) |









| | TURNING CIRCLE | HD 96 |
|---|---|---|
| | **Inner wheels braked** | |
| A | Loader bucket outside | 8.8m |
| C | Wheel outside | 6.3m |
| | **Inner wheels not braked** | |
| A | Loader bucket outside | 11.6m |
| B | Wheel outside | 8.9m |

## THE WORLD'S BEST COMPONENTS



Kirloskar Engine
96 HP approved



Carraro Transmission
(Italy)



Carlisle Brake
(USA)



Hydro Control Valve /
Walvoil (Italy) Globally
renowned brand



AKG Radiator
Cooler (Germany)



Casappa Pump
(Italy)



Carraro Axle
(Italy)

**UNIQUE FEATURE**

## FOUNDATION BUCKET WITH 90° SQUARE CUT




- Specifically designed for precise square cuts in civil foundation pits, water tanks, septic tanks, and trenches — based on strong demand from civil engineers.
- Foundation bucket – Offers the best cutting angle in the world for perfect 90° pits and tanks.
- Eliminates manual trimming, thereby improving safety.

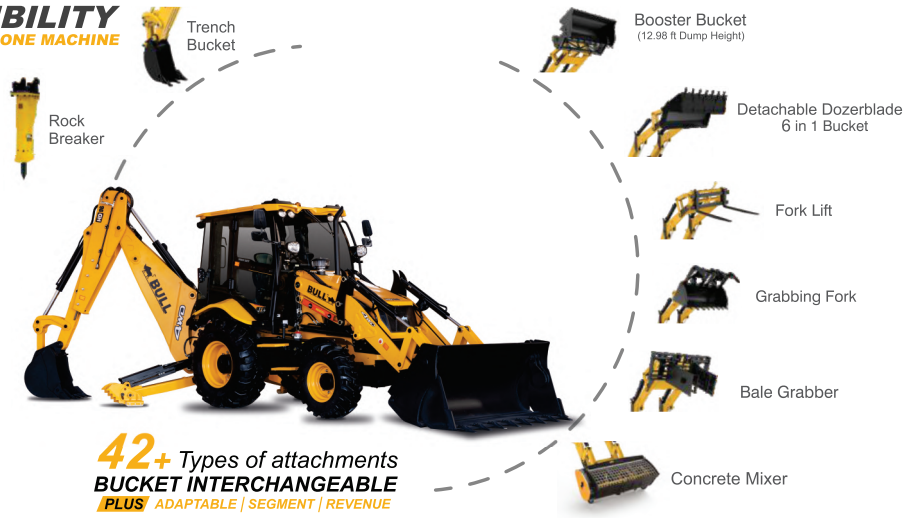
*Perfect square cut*



*All dimensions, weights and timings are variable within 1.5%, BULL MACHINE reserves the right to change the specifications without prior notice. *Compared to World Leader*

## MULTIPLE LOADER BUCKET OPTIONS

WHEN PERFORMANCE MEETS
**FLEXIBILITY**
THE ALL-IN-ONE MACHINE

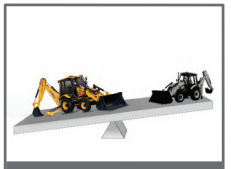



**42+** *Types of attachments*
**BUCKET INTERCHANGEABLE**
PLUS ADAPTABLE | SEGMENT | REVENUE

## SALIENT FEATURES

All machines come with advanced features that enhance their performance, productivity and reliability to the highest level


More Bucket Breakout Force & Backhoe Bucket Capacity

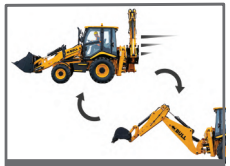

Heavy Weight Champion


Most fuel efficient backhoe in the world in its class*


The Tallest Dumping Backhoe Loader in the World


Optional Quick Hitch


Powder Coating : Scratch Resistant Painting


Effy power selector switch Wheel drive / backhoe


Better Weight Distribution Effy Power Drive System

## EASY TO MAINTAIN AT LOW COST

An Operator friendly machine that facilitates and alerts the operator for regular maintenance.



Engine high temperature Warning Alarm


Front Opening Bonnet


Single layer Radiator/ Cooler: Easy to clean

## WORLD CLASS CABIN COMFORT

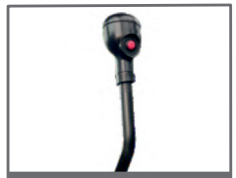
Incorporated with features for the practical needs of the operator for uninterrrupted fatigue free working for longer hours.


Comfortable seat Air cushion


Tiltable Steering


Forward Reverse Switch


6 - Directional Airflow Technology


Lever with Selector Switch


**ROPS & FOPS** Protection against rollover and falling objects.The BULL cabin protects the operator from rollovers and falling debris.

## Our other range of products






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Dealer

Sep - 2025

BULL