



**ENGINEERED TO DOMINATE
EVERY TERRAIN**



**THE WORLD'S MOST EFFICIENT
BACKHOE LOADER**

**HEAVY DUTY
HD 100**

EURO 5

Every Bull machine is engineered with advanced features to deliver peak performance, unmatched reliability, and maximum productivity.



SALIENT FEATURES

> PERFORMANCE & POWER

Highest Tearout Force &
Backhoe Bucket Capacity



Heavy
Weight Champion



Better Weight Distribution with
Effy Power Drive System

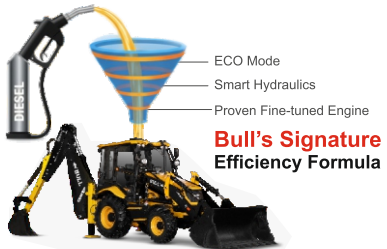


The **Tallest Dumping**
Backhoe Loader
in the World



> EFFICIENCY

The Most
Fuel-Efficient
backhoe in the
world in its class*



**Compared to World Leader*

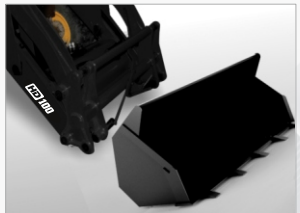
Effy Power Selector
Switch Wheel Drive / Backhoe



> DURABILITY & DESIGN



Powder Coating:
Scratch Resistant Painting



Optional **Quick Hitch**

WORLD CLASS CABIN COMFORT

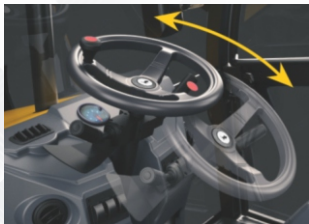


Incorporated with features for the practical needs of the operator for uninterrupted fatigue free working for longer hours.

AIR CONDITIONING

Six-directional airflow provides uniform cooling and all-day operator comfort, even in the toughest environments.





TILTABLE STEERING

The Adjustable steering column allows operators to set the perfect driving position for maximum comfort and control.

COMFORTABLE SEAT

Ergonomically designed seat with air suspension absorbs vibrations, reducing fatigue during long working hours.

AIR CUSHION



FORWARD REVERSE SWITCH

Effortlessly change direction with a fingertip switch, ensuring smooth and efficient operation without strain.

ADVANCED PILOT JOYSTICK

Single proportional pilot joystick with six functions ensures precise control, operator adaptability, and reduced fatigue.





ISO ↔ SAE

BACKHOE JOYSTICK PATTERN SHIFT

Your Site. Your Rules. Your Pattern. Our backhoe loaders feature an instant Pattern Shift toggle, allowing your crew to switch between **ISO** and **SAE** controls in seconds.

RETURN TO DIG

Precision on Autopilot :

Master every cycle with the Return-to-Dig Advantage. Eliminate manual bucket leveling. One touch resets your edge to the perfect digging angle every time.



ROPS & FOPS PROTECTION

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



SQUARE CUT 90° FOUNDATION BUCKET



Specifically designed for precise square cuts in **civil foundation pits and water tank, septic tank, trenches** – against the popular demand of civil engineers.



Perfect Square Cut Bucket

World's best
cutting angle for
perfect finishing
of pits at 90°
Foundation Bucket



No Manpower Problem

Eliminates the
need for manual
finishing
manpower



No Manual Trim

Eliminates
manual trimming,
enhancing safety

MULTIPLE LOADER BUCKET OPTIONS

WHEN PERFORMANCE MEETS
FLEXIBILITY
THE ALL ROUNDER MACHINE



Quick Hitch

Booster Bucket
13ft Dump Height

6 in 1 Bucket

Fork Lift
WITH QUICK HITCH

Trench Bucket

Rock Breaker

Bale Grabber

Grabbing Fork

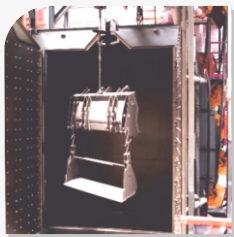
Concrete Mixer

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

POWDER COATING SCRATCH RESISTANCE



World Class
Powder Coating Plant



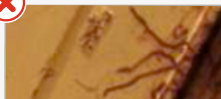
GRID BLASTING



POWDER COATING



No Fading & No Scratches
Powder Coating

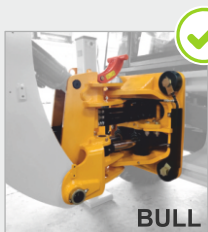


Normal Paint

>> PIN & BUSHES LIFE



>> HEAVY DUTY STEEL KING POST



BULL



**OTHERS
CASTING**

**BUILT WITH
THE WORLD'S BEST**

EURO 5



ENGINE

PERKINS
Engine 100 HP





PUMP

Parker Pump (Italy)



TRANSMISSION

Carraro Transmission (Italy)



BRAKE

Carlisle Brake (USA)



AXLE

Carraro Axle (Italy)



VALVE

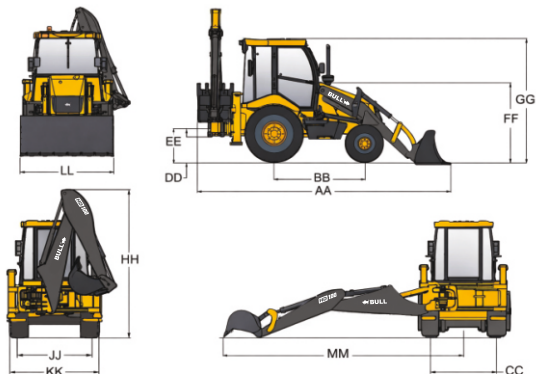
Hydro Control Valve / Walvoil (Italy) Globally renowned brand



RADIATOR

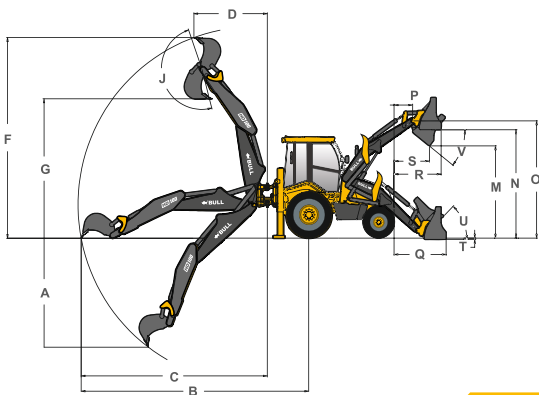
AKG Radiator Cooler (Germany)

DIMENSIONS


EU V 100 CE

STATIC DIMENTIONS

	Meter
AA Overall length	6.04 m
BB Wheelbase	2.09 m
CC Swing pivot travel	1.18 m
DD Minimum ground clearance	0.48 m
EE Ground clearance at orientation	0.65 m
FF Height to top of hood	1.95 m
GG Height to top of cab	2.94 m
HH Overall height	3.54 m
JJ Rear track width	1.68 m
KK Front track width	1.89 m
LL Overall width without bucket	2.35 m
MM Side reach up to the centerline of the machine	6.08 m


EU V 100 CE

LOADER PERFORMANCE	6 IN 1 MULTI PURPOSE BUCKET	
	Meter	ft-inch
Standard bucket capacity	1.26 cu.m	
M Dump Height	2.96 m	9' - 8.5"
N Load Over Height	3.39 m	11' - 1.4"
O Pin Height	3.61 m	11' - 10"
P Pin Forward Reach	0.42 m	1' - 4.5"
Q Reach at Ground	1.47 m	4' - 9.87"
R Reach at full height	1.28 m	4' - 2.3"
S Reach at full Height bkt Dumping	0.89 m	2' - 11"
T Below ground level DIG Depth (STD)	0.1 m	4"
U Roll back at Ground	49°	
V Dump Angle	45°	
Width over bucket	2.43 m	
Shovel Break-out Force	7040 Kg	
Loader Arm Break-out Force	4300 Kg	
Pay Load	2400 Kg	
Lifting capacity at loader arm hook pin	2600 Kg	
(Additional Information-If required we can provide)		

EU V 100 CE

EXCAVATOR PERFORMANCE	STANDARD		TELESCOPIC DIPPER (OPTIONAL)	
	Meter	ft-inch	Meter	ft-inch
Standard bucket capacity (GP)	0.20 cum & 0.22 cum			
A Maximum DIG depth	4.77 m	15'-7.7"	5.83 m	19'-1.52"
B Reach ground level to rear wheel centre	6.77 m	22'-2.53"	7.8 m	25'-7"
C Reach at ground level to slew centre	5.47 m	17'-11.35"	6.5 m	21'-3.9"
D Reach at full height to slew centre	2.82 m	9'-3"	3.61 m	11'-10.1"
F Maximum working Height	5.98 m	19'-7.4"	6.89 m	22'-7.25"
G Maximum load over height	4.19 m	13'-8.91"	5.19 m	17'-0.3"
J Bucket rotation power	201° Square cut bucket			
Bucket tear out force	6320 kgf			
Dipper tear out force	3580 kgf			
Lift capacity to bucket pivot at full reach (without bucket fitted)	1450 kgs			

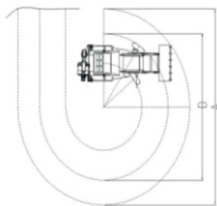
TURNING CIRCLE

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



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
Front Axle 4WD	10 Ltr	10 Ltr

PRODUCT SPECIFICATION



ENGINE

PERKINS 904J-E36TA, EU Stage V, US T4F, CARB and JAPAN MLIT, **(4400 CC)**

Gross Power : **74.4 kW (100HP) @ 2200 RPM**

Gross Torque : **430 Nm @ 1500 RPM**



HYDRAULIC

Smart Technology hydraulics : **3335 p.si. (230bar)**

Pump O/P : 145 LPM @ 2200 RPM

: 158 LPM @ HIGH RPM

Pump type : PISTON PUMP (optional)



DIRECTION

Power steering



TRANSMISSION CARRARO SPS - Transmission powershift with integral torque converter



TYRES

FRONT :4WD- 12.5/80X18 - 12PR

Optional : 16/70-20

(400/70 - 20) - 16PR

REAR : Industrial

(Standard) : 16.9X28 - 12PR

Optional : 19.5LX24 - 12PR



DRIVE

4 Wheel Drive



WEIGHT

9090 Kgs with Standard **GP** Bucket option



BACKHOE BUCKET OPTIONS

0.10 cu.m, 0.20 cu.m, 0.22 cu.m, 0.31 cu.m



ELECTRIC

12V battery system **(180 Ah)**



SPEED

Max front : **41 Km/Hr**

Max rear : **20.3 Km/Hr** (3rd gear recommended)

EASY TO MAINTAIN AT LOW COST

FRONT OPENING BONNET

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

Bull's front-opening bonnet provides unmatched access-making service and maintenance faster, simpler and smarter.

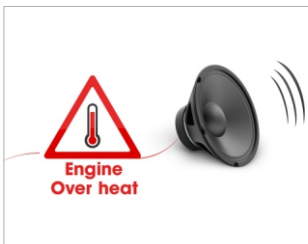


EASY SERVICEABILITY & MAINTENANCE

➤ **SINGLE LAYER RADIATOR/
COOLER:** Easy to clean



➤ **ENGINE
HIGH TEMPERATURE
WARNING ALARM**



 BULLINFORMATIC (Optional)**TELEMATICS & MACHINE FLEET
MONITORING SYSTEM**

Bull Informatics

Download App for
Easy Service & Spares



Fuel monitoring



Services SMS



Geo Fencing



Proactive alert



Locate machine



Schedule maintenance



Service on demand switch

Detailed information monitored through Bull Informatics App

TOUGH JOBS DEMAND A TOUGHER MACHINE



NOW IN **70+**
COUNTRIES



Our other range of products



BULL MACHINES PVT.LTD,
Trichy Road, Coimbatore. INDIA

 +91 98422 87770

 sales@bullmachine.com
exports@bullmachine.com