THE MOST EFFICIENT
BACKHOE LOADER IN THE WORLD

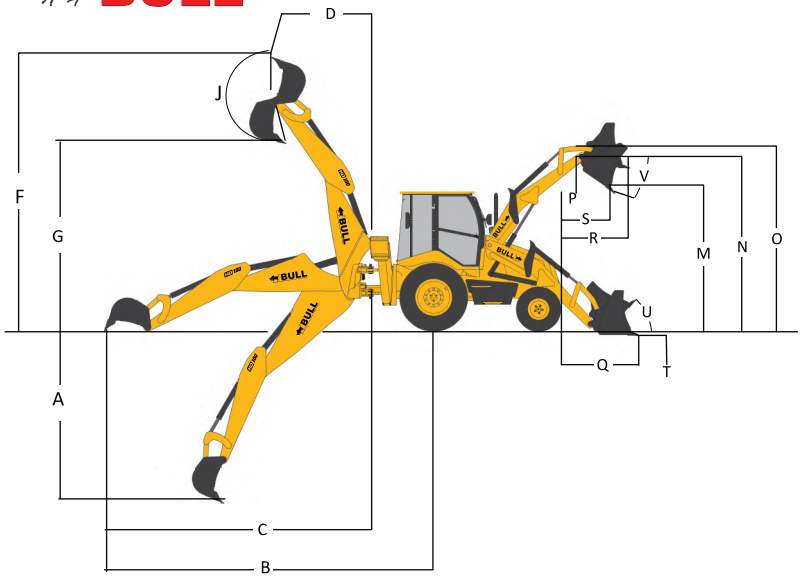
BULL

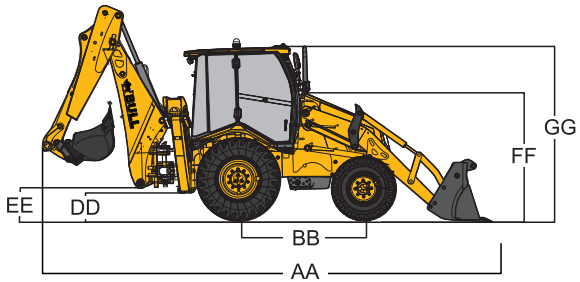


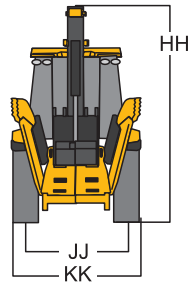
HEAVY DUTY HD 100

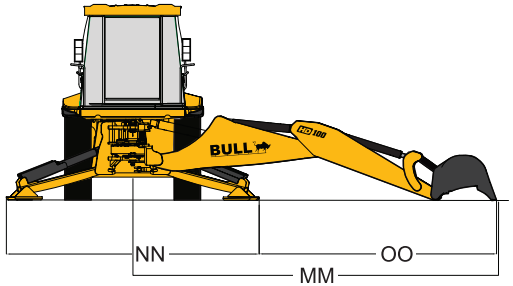
THE TRUE ALL ROUNDER

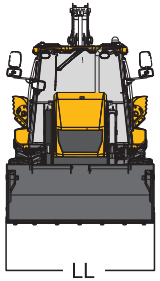
BULL











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		HD100 RETRACTION STANDARD	HD100 TELESCOPIC DIPPER (optional)
	Standard Bucket Capacity	0.22 cum	
A	Maximum Dig Depth	4.82 m	5.83 m
B	Reach Ground Level To Rear Wheel Centre	6.77 m	7.8 m
C	Reach Ground Level To Slew Centre	5.47 m	6.5 m
D	Reach At Full Height To Slew Centre	2.82 m	3.61 m
F	Maximum Working Height	5.98 m	6.89 m
G	Maximum Load Over Height	4.19 m	5.19 m
H	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)	1642 Kgs	

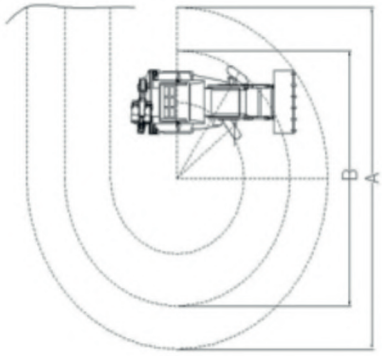
LOADER PERFORMANCE		
	Standard GP Bucket Capacity	1.26 cum
I	Dump height	2.96 m
J	Load over height	3.39 m
K	Pin height	3.61 m
L	Pin forward reach	0.42 m
M	Reach at ground	1.60 m
N	Reach at full height	1.42 m
O	Reach at full height bkt dumping	1.1 m
P	Below ground level DIG depth	0.08 m
Q	Roll back at ground	50°
R	Dump angle	45°
	Bucket break-out force	8793 kgf
	Loader arm break-out force	5642 kgf
	Pay load	2000 kgf
	Lift Capacity at loader arm hook pin	3600 kgf

STATIC DIMENSIONS		HD100
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 100
ENGINE	PERKINS 1104D - 44TA EU NRMM 97/68/EC EURO IIIA without emissions (4400 CC) Gross Power **74.5 kW (100HP) @ 2200 RPM** Gross Torque **410 Nm @ 1400 RPM**
HYDRAULIC	Smart Technology hydraulics : **3480 p.si. (240bar)** Pump O/P : **145 LPM @ 2200 RPM** : **157 LPM @ HIGH RPM** Pump type : **GEAR PUMP**
STEERING	Power steering
TRANSMISSION	**CARRARO** Synchro - Shuttle Transmission with integral torque converter
TYRES	**FRONT** **2WD**- 9.00X16 - 16PR **4WD**- 12.5/80X18 - 12PR **REAR** (Standard) : 19.5LX24 - 12PR **Optional** : 16.9X28 - 12PR **Heavy Duty** : 14X25 - 20PR
DIRECTION	Power steering
WEIGHT	**8200 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 : **41 Km/Hr** Max rear : **20.3 Km/Hr** (3rd gear recommended)







	TURNING CIRCLE	HD100
	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



HD100 Perkins engine



TRANSMISSION, Carraro (Italy) / ZF (Germany)



Carlisle Brake (USA)



Hydro Control Valve / Walvoil (Italy)



AKG Radiator Cooler (Germany)



Casappa Pump (Italy)



Carraro Axle (Italy)

UNIQUE FEATURE

FOUNDATION BUCKET WITH 90° SQUARE CUT



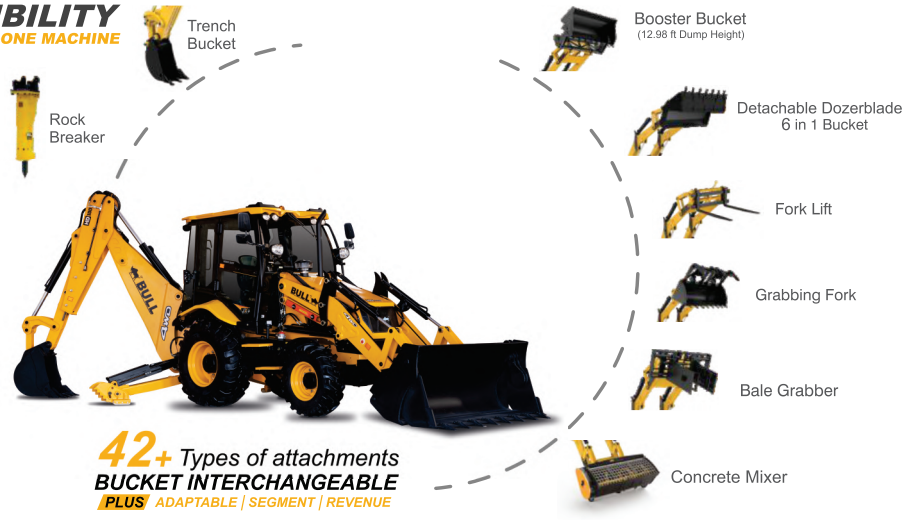
- Specifically designed for precise square cuts in civil foundation pits, water tanks, septic tanks, and trenches — based on strong demand from civil engineers.
- Foundation bucket – Offers the best cutting angle in the world for perfect 90° pits and tanks.
- Eliminates manual trimming, thereby improving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

Perfect square cut



MULTIPLE LOADER BUCKET OPTIONS

WHEN PERFORMANCE MEETS
FLEXIBILITY
THE ALL-IN-ONE MACHINE

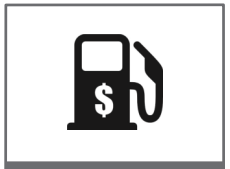


SALIENT FEATURES

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


More Bucket Breakout Force & Backhoe Bucket Capacity

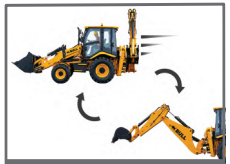

Heavy Weight Champion


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

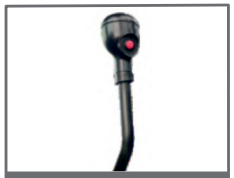
Incorporated with features for the practical needs of the operator for uninterrrupted fatigue free working for longer hours.


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

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