BULL

PRIDE OF INDIA





NOW IN 76+ COUNTRIES





BULL MACHINES PVT.LTD,

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: sales@bullmachine.com

International sales
: exports@bullmachine.com

Service and Spares
: 88832 88832
: care@bullmachine.com

www.bullindia.com

Dealer:

Oct - 2025

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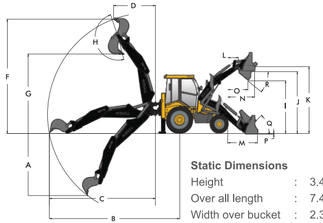
CHALLENGER CH 76

UPTO 15%* MORE FUEL SAVING

UPTO 20%* HIGHER TORQUE BETTER PERFORMANCE

* Against BS III Challenger , tested under controlled environment . T&C Apply.

BULL

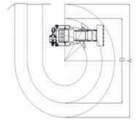


Static Dimensions

Height	:	3.49m
Over all length	:	7.46m
Width over bucket	:	2.35m

	LOADER PERFORMANCE Standard GP Bucket Capacity	Challenger With Link Bracket 1.26 cu.m	Challenger Without Link Bracket 1.26 cu.m
I	Dump Height	2.96 m	2.96 m
J	Load Over Height	3.39 m	3.39 m
K	Pin Height	3.61 m	3.61 m
L	Pin Forward Reach	0.42 m	0.42 m
M	Reach at Ground	1.60 m	1.47 m
N	Reach at full height	1.42 m	1.28 m
O	Reach at full Height bkt Dumping	1.1m	0.89m
P	Below ground level DIG Depth	0.08m	0.1m
Q	Roll back at Ground	50 °	49 °
R	Dump Angle	45 °	45 °
	Bucket Break-out Force	8183 kgf	
	Loader Arm Break-out Force	5315 kgf	
	Pay Load	2200 kgf	
	Lifting Capacity At Loader Arm Hook Pin	2600 kgf	

	EXCAVATOR PERFORMANCE	Challenger STANDARD	
	Standard GP Bucket Capacity	0.26 cu.m	
A	Maximum DIG depth	4.77 m	15 ft-7.7in
B	Reach Ground Level to Rear wheel center	6.77 m	22 ft-2.53in
C	Reach at Ground level to slew center	5.47 m	17 ft-11.35in
D	Reach at full height to slew center	2.82 m	9 ft-3in
F	Maximum working height	5.98 m	19 ft-7.4in
G	Maximum Load over Height	4.19 m	13 ft-9.3in
H	Bucket Rotation angle	201°	
	Bucket Tear out force	5936 kgf	
	Dipper Tear out force	3109 kgf	



TURNING CIRCLE	CH 76
Inner wheels braked	
A Loader bucket outside	9.18
B Wheel outside	6.37
Inner wheels not braked	
A Loader bucket outside	11.56
B Wheel outside	8.76

DIESEL TANK CAPACITY	CH 76
Fuel Tank	115Ltr

ENGINE

Ashok Leyland H4CSE5520 BS-V (CEV)
Diesel Engine (3840 cc)
Aspiration: **Turbocharged**
Gross power: **55 HP (40.5kW) @ 2000 rpm**
Gross torque: **290Nm @ 1200rpm**

TYRES

FRONT **2WD-** 9.00X16 - 16PR
REAR Industrial : 16.9X28 - 12PR
Heavy Duty : 14X25 - 20PR

HYDRAULICS

Pump type : Load Sensing
Variable Piston Pump
Pressure : 3335 p.s.i (230 bar)
Pump Flow : 108 lpm @ 2000 rpm
119 lpm @ high rpm

WEIGHT

2WD-8010 Kgs (Standard Bucket)

DRIVE

2 Wheel Drive

TRANSMISSION

CARRARO - 2WD
Synchro-shuttle Transmission with integral torque convertor

STEERING

Power Steering

ELECTRICAL

12V Battery Systems **(150Ah)**

SPEED

Forward Max : **36 Km/Hr**
Reverse Max : **9.3 Km/Hr** (2nd gear)

BACKHOE BUCKET OPTIONS

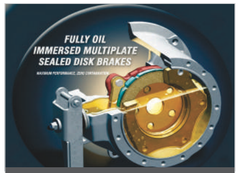
Excavator Standard bucket : 0.22 cu.m
Trench bucket


TILTABLE STEERING


COMFORTABLE SEAT
AIR CUSHION (Optional)



ROPS FOPS ON
FULL CABIN



OIL IMMERSED 3 DISC RAPID
FILL BRAKE SYSTEM


TALLEST DUMPING
BACKHOE LOADER


TELEMATICS & MACHINE FLEET
MONITORING SYSTEM
BULL INFOMATICS


POWDER COATED
MACHINE


HEAVY DUTY
STEEL KING POST

THE TRUE ALL ROUNDER

INTERCHANGEABLE BUCKET ATTACHMENTS



RAPID SERVICE

Closed only after your OTP



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SMART APP FOR
SERVICE REGISTRATION

RAPID
SERVICE HELPLINE
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106+
DEALERS
ACROSS INDIA

5000 HOURS ENGINE WARRANTY*
OR
2 YEARS ENGINE WARRANTY*

42% LESS SERVICE CHARGES**

* Engine warranty is subject to whichever condition occurs first.

** Service charges depend on consumables and the service policy provided by Bull Machines. Please read the policy carefully before proceeding.

BULL



ENGINE

ASHOK LEYLAND H4CSE5520
BS V (CEV)
Diesel Engine 3840 CC
Aspiration: **Turbocharged**



HYDRAULIC PUMP AS MODE

Auto Sensing **R**oad | **L**oader | **E**co | **P**ower mode
Backhoe

Automatic vehicle senses the different mode requirement **(R | L | E | P)** based on the demand of workload.



SMART SENSING VALVES

State of the Art loading sensing high efficiency valves.

SQUARE CUT 90° FOUNDATION BUCKET



- Perfect square cut bucket
- No manual trim
- No man power problem

Specifically designed for civil foundation pits and water tanks, septic tank, trenches.