



**FEARLESS MACHINE
TO CONQUER ANY TERRAIN**

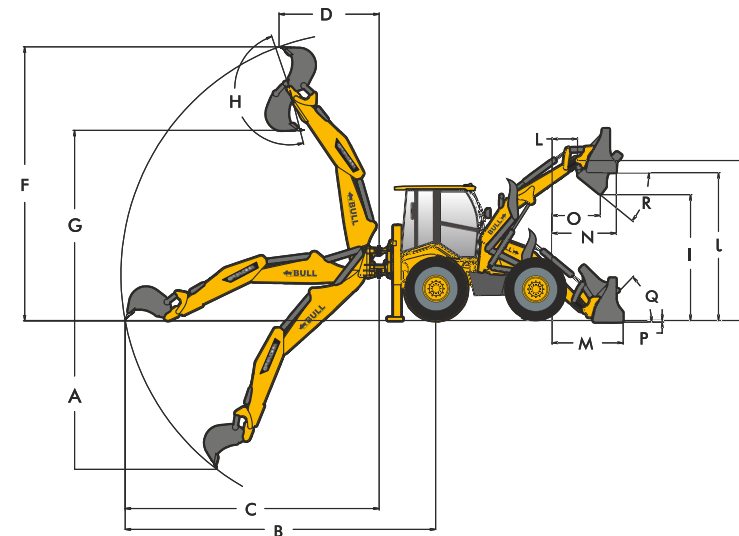
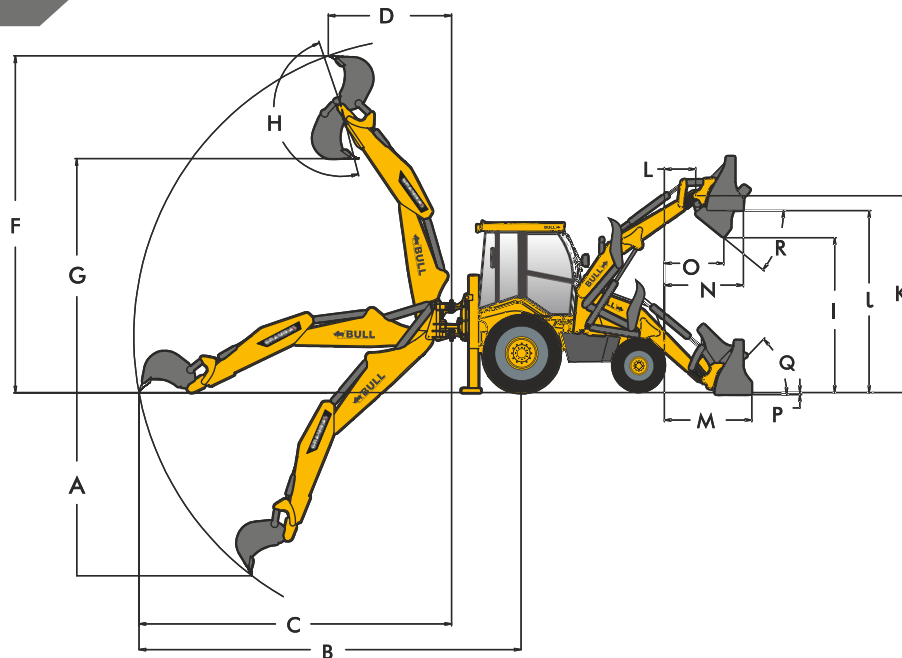

HD 96

HD 100

HD 100

GRANDIA

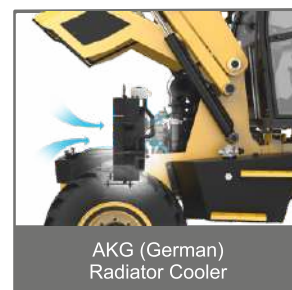
ENGINE	Kirkoskar 4R1040T, Non-Emission Diesel Engine (4160 CC) Gross Power : 70.6 kW (96 HP) @ 2200 RPM Gross Torque : 377 Nm @ 1400 RPM			PERKINS 1104D-44TA, EU NRMM 97/68/ EC EURO III A Diesel Engine (4400CC) Gross Power: 74.5 kW (100HP) at 2200 RPM Gross Torque: 410Nm@1400 RPM			PERKINS 1104D-44TA, EU NRMM 97/68/ EC EURO III A Diesel Engine (4400CC) Gross Power: 74.5 kW (100HP) at 2200 RPM Gross Torque: 410Nm@1400 RPM			PERKINS 1104D-44TA, EU NRMM 97/68/ EC EURO III A Diesel Engine (4400CC) Gross Power: 74.5 kW (100HP) at 2200 RPM Gross Torque: 410Nm@1400 RPM		
TRANSMISSION	CARRARO Synchro - Shuttle Transmission with integral torque converter			CARRARO Synchro - Shuttle Transmission with integral torque converter			CARRARO SPS Power Shift Transmission with integral torque converter			CARRARO AUTOMATIC Transmission (Manual And Auto Mode) With Integral Torque Converter		
STEERING	Two Wheel Power Steering			Two Wheel Power Steering			Two Wheel Power Steering			Four Wheel Power Steering with 3 Modes (Circular Mode, Crab Mode & Two wheel steer Mode)		
ELECTRICALS	12V Battery System (180Ah)			12V Battery System (180Ah)			12V Battery System (180Ah)			12V Battery System (180Ah)		
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 Heavy Duty : 14X25 - 20PR			FRONT 4WD : 12.5/80X18 - 12PR Optional : 16/70 - 20 (400/70 - 20) - 16PR REAR Industrial (Standard) : 16.9X28 - 12PR Optional : 19.5LX24 - 12PR Heavy Duty : 14X25 - 20PR			FRONT 4WD : 12.5/80X18 - 12PR Optional : 16/70 - 20 (400/70 - 20) - 16PR REAR Industrial (Standard) : 16.9X28 - 12PR Optional : 19.5LX24 - 12PR Heavy Duty : 14X25 - 20PR			FRONT : 16.9X28 - 12PR REAR : 16.9X28 - 12PR		
SPEED	Forward Max : 40 Km/Hr Reverse Max : 20.3 Km/Hr (3 rd Gear Recommended)			Forward Max : 41 Km/Hr Reverse Max : 20.3 Km/Hr (3 rd Gear Recommended)			Forward Max : 38.8 Km/Hr Reverse Max : 20.3 Km/Hr (3 rd Gear Recommended)			Forward Max : 36Km/Hr Reverse Max : 18Km/Hr (3 rd Gear Recommended)		
HYDRAULICS	Hydraulics : 3335 p.s.i(230 bar) Pump flow : 145 LPM @ 2200 RPM Pump Type : GEAR PUMP			Hydraulics : 3335 p.s.i(230 bar) Pump flow : 145 LPM @ 2200 RPM Pump Type : GEAR PUMP			Hydraulics : 3335 p.s.i(230 bar) Pump flow : 145 LPM @ 2200 RPM Pump Type : GEAR PUMP			Hydraulics : 3335 p.s.i(230 bar) Pump flow : 145 LPM @ 2200 RPM Pump Type : GEAR PUMP (OPTION : PISTON PUMP)		
WEIGHT	9200 Kgs			9300 Kgs			9300 Kgs			9700 Kgs		
SERVICE CAPACITIES		System	Service		System	Service		System	Service		System	Service
	Hydraulic Tank	120 Ltr	100 Ltr	Hydraulic Tank	120 Ltr	100 Ltr	Hydraulic Tank	120 Ltr	100 Ltr	Hydraulic Tank	120 Ltr	100 Ltr
	Fuel Tank	115 Ltr	115 Ltr	Fuel Tank	115 Ltr	115 Ltr	Fuel Tank	115 Ltr	115 Ltr	Fuel Tank	115 Ltr	115 Ltr
	Engine Coolant	17 Ltr	15 Ltr	Engine Coolant	17 Ltr	15 Ltr	Engine Coolant	17 Ltr	15 Ltr	Engine Coolant	17 Ltr	15 Ltr
	Engine Oil	13 Ltr	13 Ltr	Engine Oil	13 Ltr	13 Ltr	Engine Oil	13 Ltr	13 Ltr	Engine Oil	13 Ltr	13 Ltr
	Transmission	19.5Ltr	13 Ltr	Transmission	19.5Ltr	13 Ltr	Transmission	19.5Ltr	13 Ltr	Transmission	19.5 Ltr	13 Ltr
	Rear Axle	17 Ltr	17 Ltr	Rear Axle	17 Ltr	17 Ltr	Rear Axle	17 Ltr	17 Ltr	Rear Axle	16 Ltr	16 Ltr
	4WD Front Axle	10 Ltr	10 Ltr	4WD Front Axle	10 Ltr	10 Ltr	4WD Front Axle	10 Ltr	10 Ltr	4WD Front Axle	11.2 Ltr	11.2 Ltr
OPTIONS	Ditch Cleaning Bucket Square Hole Bucket Rock breaker Ripper tooth Trench bucket Taper Ditching bucket Multipurpose 6 in I bucket Telescopic Dipper G.P Bucket											



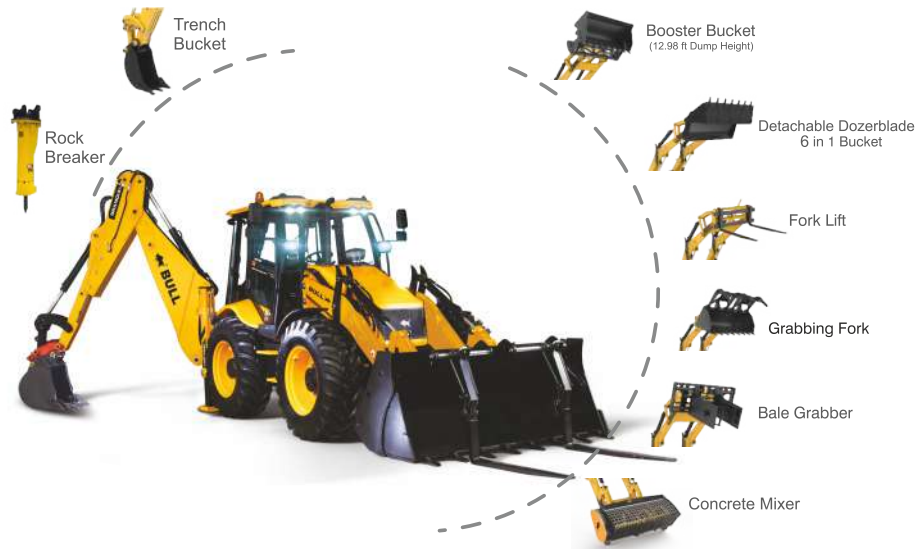
EXCAVATOR PERFORMANCE	HD96		HD100		HD100		GRANDIA	
	Retraction STD	Telescopic Dipper (option)	Retraction STD	Telescopic Dipper (option)	Retraction STD	Telescopic Dipper (option)	Retraction STD	Telescopic Dipper (option)
Standard GP Bucket Capacity	0.22 cu.m		0.22 cu.m		0.22 cu.m		0.22 cu.m	
A Maximum DIG depth	4.60 m	5.60 m	4.60 m	5.60 m	4.60 m	5.60 m	4.77 m	5.83 m
B Reach Ground Level to Rear wheel center	6.81 m	7.91 m	6.81 m	7.91 m	6.81 m	7.91 m	6.77 m	7.8 m
C Reach at Ground level to slew center	5.50 m	6.60 m	5.50 m	6.60 m	5.50 m	6.60 m	5.47 m	6.5 m
D Reach at full height to slew center	2.85 m	3.56 m	2.85 m	3.56 m	2.85 m	3.56 m	2.82 m	3.61 m
F Maximum working height	6.08 m	6.77 m	6.08 m	6.77 m	6.08 m	6.77 m	5.98 m	6.89 m
G Maximum Load over Height	4.38 m	5.02 m	4.38 m	5.02 m	4.38 m	5.02 m	4.19 m	5.19 m
H Bucket Rotation power	188°		188°		188°		201°	
Bucket Tear out force	6851 Kgf		6851 Kgf		6851 Kgf		6320kgf	
Dipper Tear out force	3316 Kgf		3316 Kgf		3316 Kgf		3580kgf	
Lift Capacity to bucket pivot at full reach (without bucket fitted)	1400 Kgs		1400 Kgs		1400 Kgs		1642 kgs	

LOADER PERFORMANCE	HD96	HD100	HD100	GRANDIA
Standard GP Bucket Capacity	1.26 cu.m	1.26 cu.m	1.26 cu.m	1.26 cu.m
I Dump Height	2.96 m	2.96 m	2.96 m	2.96 m
J Load Over Height	3.39 m	3.39 m	3.39 m	3.39 m
K Pin Height	3.61 m	3.61 m	3.61 m	3.61 m
L Pin Forward Reach	0.42 m	0.42 m	0.42 m	0.54 m
M Reach at Ground	1.60 m	1.60 m	1.60 m	1.75 m
N Reach at full height	1.42 m	1.42 m	1.42 m	1.44 m
O Reach at full Height bkt Dumping	1.1 m	1.1 m	1.1 m	1.17 m
P Below ground level DIG Depth	0.08 m	0.08 m	0.08 m	0.16 m
Q Roll back at Ground	50°	50°	50°	50°
R Dump Angle	45°	45°	45°	45°
Bucket Break-out Force	8793 Kgf	8793 Kgf	8793 Kgf	8793kgf
Loader Arm Break-out Force	5642 Kgf	5642 Kgf	5642 Kgf	5642kgf
Pay Load	2000 Kgf	2000 Kgf	2000 Kgf	2000kgf
Lifting capacity at loader arm hook pin	3600kgf	3600kgf	3600kgf	3600kgf

WORLD'S BEST COMPONENTS

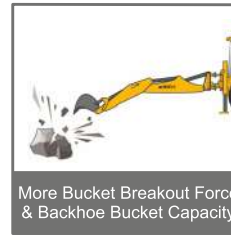


MULTIPLE LOADER BUCKET OPTIONS



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*



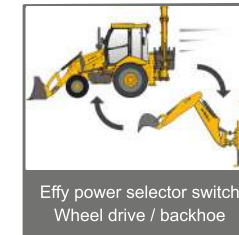
The Tallest Dumping Backhoe Loader in the World



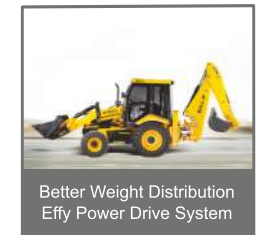
Optional Quick Hitch



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.



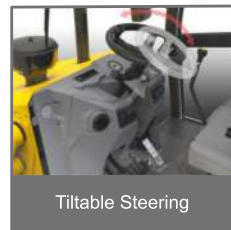
Front Opening Bonnet



Single layer Radiator/ Cooler: Easy to clean

WORLD CLASS CABIN COMFORT

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



Tiltable Steering



Forward Reverse Switch



Air Vents Front side, Left side, Right side and Rear side Air Condition (optional) - Uniform Airflow



Lever with Selector Switch

Our other range of products



BULL MACHINES PVT.LTD,
Trichy Road, Coimbatore. INDIA
+91 98422 87770
sales@bullmachine.com
exports@bullmachine.com

Dealer

