

WORLD'S MOST
EFFICIENT BACKHOE



MODELS

HEAVY DUTY
HD 76

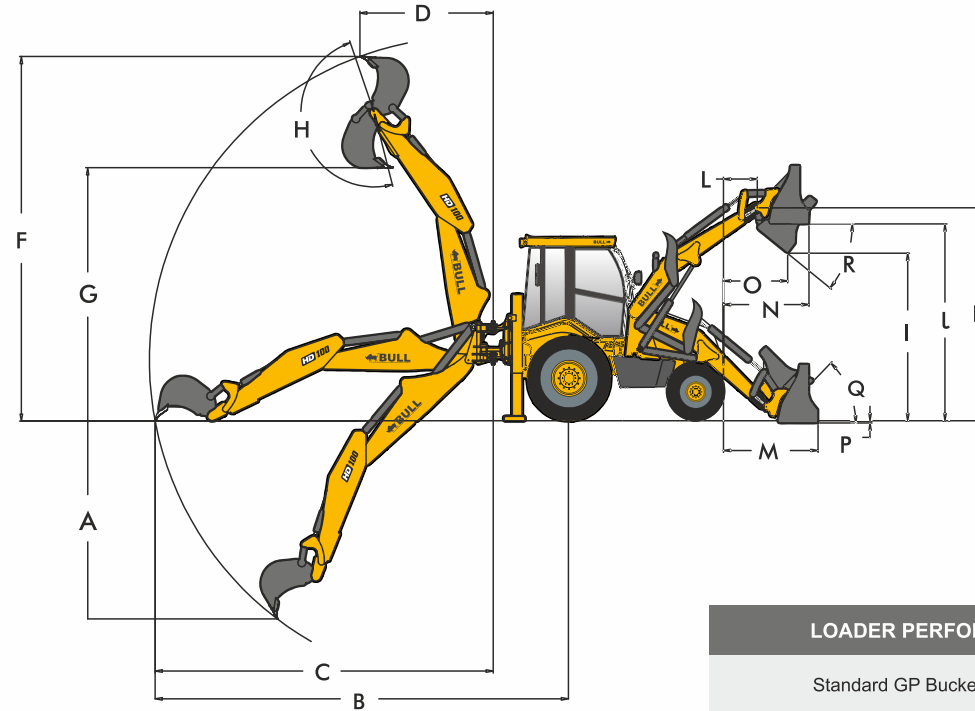
HEAVY DUTY
HD 96

HEAVY DUTY
HD 100

THE TRUE ALL ROUNDER

**HD 76****HD 96****HD 100****HD 100**

ENGINE	Kirloskar 4R1040NA, Non Emission Diesel Engine (4160 CC) Gross Power : 56 kW (76HP) @ 2200 RPM Gross Torque : 304.5 Nm @ 1320 RPM			Kirloskar 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		
TRANSMISSION	CARRARO Synchro - Shuttle Transmission with integral torque converter			CARRARO Synchro - Shuttle Transmission with integral torque converter			CARRARO Synchro - Shuttle Transmission with integral torque converter			ZF / CARRARO SPS Power Shift Transmission with integral torque converter		
STEERING	Power Steering			Power Steering			Power Steering			Power Steering		
ELECTRICALS	12V Battery Systems (130Ah)			12V Battery System (180Ah)			12V Battery System (180Ah)			12V Battery System (180Ah)		
TYRES	FRONT 2WD- 9.00X16 - 16PR 4WD- 12.5/80X18 - 12PR REAR Industrial (Standard) : 16.9X28 - 12PR Optional :19.5LX24 - 12PR Heavy Duty :14X25 - 20PR			FRONT 2WD- 9.00X16 - 16PR 4WD- 12.5/80X18 - 12PR REAR Industrial (Standard) : 16.9X28 - 12PR Optional :19.5LX24 - 12PR Heavy Duty :14X25 - 20PR			FRONT 2WD- 9.00X16 - 16PR 4WD- 12.5/80X18 - 12PR REAR Industrial (Standard) : 16.9X28 - 12PR Optional : 19.5LX24 - 12PR Heavy Duty : 14X25 - 20PR			FRONT 4WD- 12.5/80X18 - 12PR REAR Industrial (Standard) : 16.9X28 - 12PR Optional : 19.5LX24 - 12PR Heavy Duty : 14X25 - 20PR		
SPEED	Forward Max : 39 Km/Hr Reverse Max : 20.3 Km/Hr (3 rd Gear Recommended)			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 : 38.3 Km/Hr (CARRARO SPS) Reverse Max : 20.3 Km/Hr (CARRARO SPS) (3 rd Gear Recommended) Forward Max : 37 Km/Hr (ZF) Reverse Max : 22 Km/Hr (3 rd Gear Recommended)		
HYDRAULICS	Hydraulics : 3335 p.s.i (230 bar) Pump Flow : 113 LPM @ 2200 RPM : 122 LPM @ high RPM Pump Type : Gear Pump			Hydraulics : 3480 p.s.i (240 bar) Pump Flow : 134 LPM @ 2200 RPM : 145 LPM @ high RPM Pump Type : GEAR PUMP			Hydraulics : 3480 p.s.i (240 bar) Pump flow : 145 LPM @ 2200 RPM : 157 LPM @ high RPM Pump Type : GEAR PUMP			Hydraulics : 3480 p.s.i (240 bar) Pump flow : 145 LPM @ 2200 RPM : 157 LPM @ high RPM Pump Type : GEAR PUMP		
WEIGHT	7960 Kgs with Standard GP Bucket option			8150 Kgs with Standard GP Bucket option			8200 Kgs with Standard GP Bucket option			8200 Kgs with Standard GP Bucket option		
SERVICE CAPACITIES	HD 76			HD 96			HD 100			HD 100		
		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	19.5Ltr	13 Ltr
	Rear Axle	17 Ltr	17 Ltr	Rear Axle	17 Ltr	17 Ltr	Rear Axle	17 Ltr	17 Ltr	Rear Axle	17 Ltr	17 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	10 Ltr	10 Ltr
OPTIONS	Ditch Cleaning Bucket Square Hole Bucket Rock breaker Ripper tooth Trench bucket Taper Ditching bucket Multipurpose 6 in 1 bucket Telescopic Dipper											



EXCAVATOR PERFORMANCE		76 HP		96 HP		100 HP	
		Retraction STD	Telescopic Dipper (option)	Retraction STD	Telescopic Dipper (option)	Retraction STD	Telescopic Dipper (option)
Standard GP Bucket Capacity		0.27 cu.m		0.27 cu.m		0.27 cu.m	
A	Maximum DIG depth	4.60 m	5.60 m	4.60 m	5.60 m	4.60 m	5.60 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
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
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
F	Maximum working height	6.08 m	6.77 m	6.08 m	6.77 m	6.08 m	6.77 m
G	Maximum Load over Height	4.38 m	5.02 m	4.38 m	5.02 m	4.38 m	5.02 m
H	Bucket Rotation power	188°		188°		188°	
	Bucket Tear out force	6531 Kgf		6851 Kgf		6851 Kgf	
	Dipper Tear out force	3150 Kgf		3316 Kgf		3316 Kgf	
	Lift Capacity to bucket pivot at full reach (without bucket fitted)	1400 Kgs		1400 Kgs		1400 Kgs	

LOADER PERFORMANCE		76HP	96HP	100HP
Standard GP Bucket Capacity		1.26 cu.m	1.26 cu.m	1.26 cu.m
I	Dump Height	2.96 m	2.96 m	2.96 m
J	Load Over Height	3.39 m	3.39 m	3.39 m
K	Pin Height	3.61 m	3.61 m	3.61 m
L	Pin Forward Reach	0.42 m	0.42 m	0.42 m
M	Reach at Ground	1.60 m	1.60 m	1.60 m
N	Reach at full height	1.42 m	1.42 m	1.42 m
O	Reach at full Height bkt Dumping	1.1 m	1.1 m	1.1 m
P	Below ground level DIG Depth	0.08 m	0.08 m	0.08 m
Q	Roll back at Ground	50°	50°	50°
R	Dump Angle	45°	45°	45°
	Bucket Break-out Force	8183 Kgf	8793 Kgf	8793 Kgf
	Loader Arm Break-out Force	5315 Kgf	5642 Kgf	5642 Kgf
	Pay Load	2000 Kgf	2000 Kgf	2000 Kgf
	Lifting capacity at loader arm hook pin	2600 kgf	2600 kgf	2600 kgf

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.



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 uninterrupted fatigue free working for longer hours.



Tiltable Steering



Forward Reverse Switch



A/C Option



Joystick with Selector Switch