



FEARLESS MACHINE
TO CONQUER ANY TERRAIN

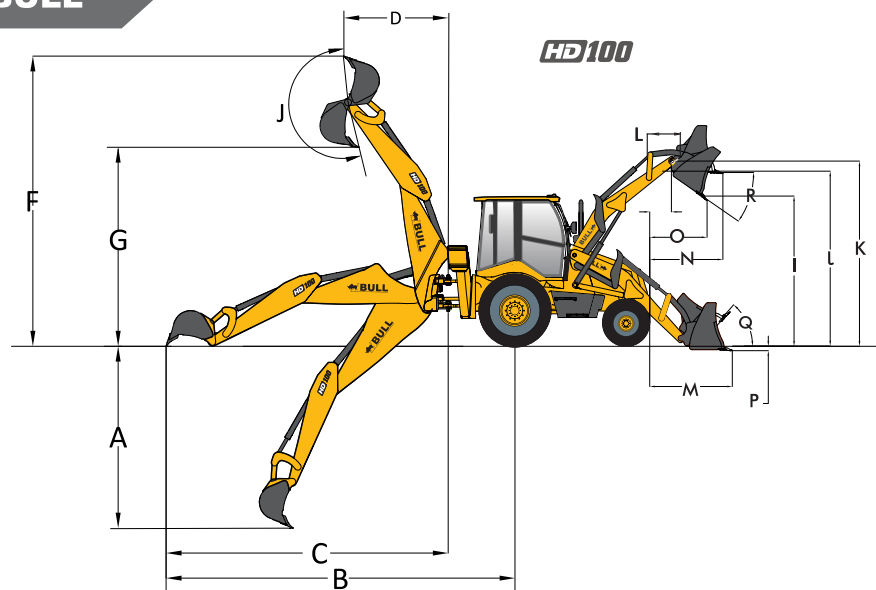
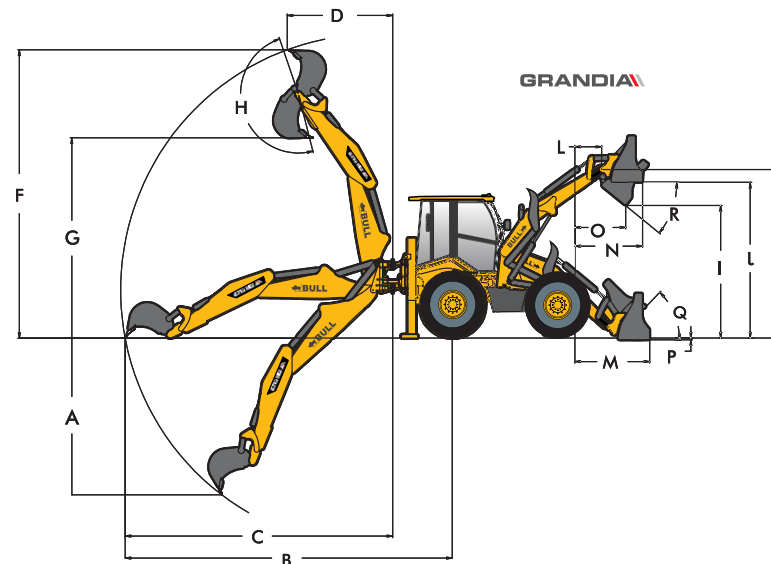

HD100 EURO 3

HD100 EURO 5

GRANDIA EURO 3

GRANDIA EURO 5

ENGINE	PERKINS 1104D-44TA, EU NRMM 97/68/EC, Euro IIIA Diesel Engine (4400CC) Gross Power: 74.5kW (100 HP) at 2200 RPM Gross Torque: 410 Nm @ 1400 RPM			PERKINS 904J-E36TA, EU Stage V, US T4F, CARB and JAPAN MLIT, Gross Power: 74.4kW (100 HP) at 2200 RPM Gross Torque: 430 Nm @ 1500 RPM			PERKINS 1104D-44TA, EU NRMM 97/68/EC, EURO III A Diesel Engine (4400CC) Gross Power: 74.5kW (100 HP) at 2200 RPM Gross Torque: 410 Nm@1400 RPM			PERKINS 904J-E36TA, EU Stage V, US T4F, CARB and JAPAN MLIT, Euro IIIA Diesel Engine (4400CC) Gross Power: 74.4kW (100 HP) at 2200 RPM Gross Torque: 430 Nm @ 1500 RPM		
TRANSMISSION	Carraro Synchro-Shuttle Transmission with intergral torue converter Optional: CARRARO SPS Powershift Transmission (Manual And Auto Mode) with integral torque converter			Carraro Synchro-Shuttle Transmission with intergral torue converter Optional: CARRARO SPS Powershift Transmission (Manual And Auto Mode) with integral torque converter			CARRARO SPS Powershift Transmission (Manual And Auto Mode) With Integral Torque Converter			CARRARO SPS PowershiftTransmission (Manual And Auto Mode) With Integral Torque Converter		
STEERING	Two Wheel Power Steering			Two Wheel Power Steering			Four Wheel Power Steering with 3 Modes (Circular Mode, Crab Mode & Two wheel steer Mode)			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			FRONT : 16.9X28 - 12PR REAR : 16.9X28 - 12PR			FRONT : 16.9X28 - 12PR REAR : 16.9X28 - 12PR		
SPEED	Forward Max : 41 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 : 36Km/Hr Reverse Max : 18Km/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 158 LPM @ High RPM Pump Type : GEAR PUMP (Optional: PISTON PUMP)			Hydraulics : 3335 p.s.i(230 bar) Pump flow : 145 LPM @ 2200 RPM 158 LPM @ High RPM Pump Type : GEAR PUMP (Optional: PISTON PUMP)			Hydraulics : 3335 p.s.i (230 bar) Optional : 3480 p.s.i (240 bar) Pump Flow : 145 LPM @ 2200 RPM, 158 LPM @ High RPM Pump Type : GEAR PUMP (Optional : PISTON PUMP)			Hydraulics : 3335 p.s.i (230 bar) Optional : 3480 p.s.i (240 bar) Pump Flow : 145 LPM @ 2200 RPM, 158 LPM @ High RPM Pump Type : GEAR PUMP (Optional : PISTON PUMP)		
WEIGHT	8890 Kgs			9090 Kgs			9700 Kgs			9900 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	150 Ltr	145 Ltr	Fuel Tank	150 Ltr	145 Ltr	Fuel Tank	150 Ltr	145 Ltr	Fuel Tank	150 Ltr	145 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 Cut Bucket			Rock breaker Ripper tooth Trench bucket			Taper Ditching bucket Multipurpose 6 in I bucket			Telescopic Dipper G.P Bucket		


HD100

GRANDIA

EXCAVATOR PERFORMANCE	HD 100 EU 3		HD 100 EU 5		GRANDIA EU 3		GRANDIA EU 5	
	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	4.82m	5.93 m	4.82m	5.93 m	4.77 m	5.83 m	4.77 m	5.83 m
B Reach Ground Level to Rear wheel center	6.77 m	7.80 m	6.77 m	7.80 m	6.77 m	7.8 m	6.77 m	7.8 m
C Reach at Ground level to slew center	5.47 m	6.50 m	5.47 m	6.50 m	5.47 m	6.5 m	5.47 m	6.5 m
D Reach at full height to slew center	2.82 m	3.61 m	2.82 m	3.61 m	2.82 m	3.61 m	2.82 m	3.61 m
F Maximum working height	6.17 m	7.04 m	6.17 m	7.04 m	5.98 m	6.89 m	5.98 m	6.89 m
G Maximum Load over Height	4.48 m	5.36 m	4.48 m	5.36 m	4.19 m	5.19 m	4.19 m	5.19 m
H Bucket Rotation power	201° SQUARE CUT BUCKET		201° SQUARE CUT BUCKET		201° SQUARE CUT BUCKET		201° SQUARE CUT BUCKET	
Bucket Tear out force	6320kgf		6320 Kgf		6320kgf		6320kgf	
Dipper Tear out force	3580kgf		3580 Kgf		3580kgf		3580kgf	
Lift Capacity to bucket pivot at full reach (without bucket fitted)	1642 kgs		1642 Kgs		1642 kgs		1642 kgs	

LOADER PERFORMANCE	HD 100 EU 3	HD 100 EU 5	GRANDIA EU 3	GRANDIA EU 5
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	0.54 m	0.54 m
M Reach at Ground	1.60 m	1.60 m	1.75 m	1.75 m
N Reach at full height	1.42 m	1.42 m	1.44 m	1.44 m
O Reach at full Height bkt Dumping	1.1 m	1.1 m	1.17 m	1.17 m
P Below ground level DIG Depth	0.08 m	0.08 m	0.16 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



100 HP Perkin's Engine



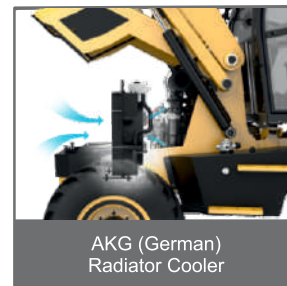
Carraro (Italy) Transmission



Carlisle Brake
(U.S.A)



World Famous
Hydro Control / Walvoil
(Italy) Valve



AKG (German)
Radiator Cooler



Casappa (Italy) pump



Carraro (Italy) Axle

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.



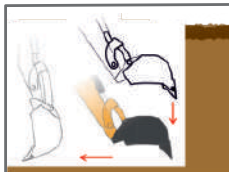
Engine high temperature Warning Alarm



Front Opening Bonnet



Single layer Radiator/ Cooler: Easy to clean



SQUARE CUT BULL LINKAGE BUCKET FOR CIVIL FOUNDATION

WORLD CLASS CABIN COMFORT

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



Direction inclinable



Forward Reverse Switch



6 - Directional Airflow Technology



Lever with Selector Switch

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