



FINE EQUIPMENTS
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FINE 985 HD

MOTOR GRADER

BUILT FOR THOSE WHO SHAPE THE FUTURE.



FINE MOTOR GRADER - 985 HD

Operating Weight - 15,800 Kg



STRENGTH YOU CAN TRUST



**EASE OF
MAINTENANCE &
LOWER OPERATING COSTS**

The new FINE HD SERIES Motor Grader is built to take on any job with exceptional performance and versatility.

- Achieve better fuel efficiency with advanced power optimization.
- Enhanced cab comfort for long working hours.
- Less maintenance, more uptime – designed to keep you working longer and smarter.

POWERTRAIN

- Reliable, high-performance engine ensures consistent output.
- Optimized for the lowest fuel consumption per hour.
- Advanced transmission delivers superior drive performance and unmatched reliability.
- Heavy-duty axles engineered for power, precision, and performance.

CABIN

- Multi-axis adjustable seat and tilt-adjustable steering column for enhanced operator comfort.
- Ergonomically designed adjustable joystick control panel for ease of operation.
- Multifunction LED display providing complete visibility of all working parameters.
- HVAC system with large glass area for improved visibility and operator comfort.

HYDRAULICS

- Load-sensing variable displacement piston pump for efficient hydraulic performance.
- Hydraulic fan drive system operates on demand, optimizing cooling and saving fuel.
- Pilot-operated joystick controls enhance operator comfort and reduce fatigue during long working hours.

GRADING STRUCTURE

- Bolt-on case-hardened bull gear for enhanced durability and easy serviceability.
- Newly designed moldboard with cylinder protection to safeguard against debris impact.
- Special designed worm gearbox to prevent structural damage and ensure reliable performance.

INTELLIGENT DESIGN FOR OPERATOR SAFETY AND COMFORT

CONVENIENT SETTINGS

Access all essential settings and machine alerts easily through the integrated information display screen.

EXTRAORDINARY VISIBILITY

Enjoy a clear view of your job site with connecting glass windows, along with rear and side mirrors. with rearview camera provides a wide-angle view behind the machine for enhanced safety and awareness.

STOP SAFELY

In the event of an unexpected engine stall, the optional secondary steering system ensures a safe stop. If main pump pressure drops, it automatically activates, allowing you to steer the machine safely to a halt.

SAFTEY ALWAYS

Enter and exit the machine safely with strategically positioned walkways and grab rails, ensuring three points of contact at all times.

DESIGNED TO LAST.
BUILT FOR PRODUCTIVITY.
YOUR INVESTMENT, TAKEN FURTHER.



ENHANCED COMPONENT PROTECTION

Reduce daily greasing requirements and costly repairs to the circle and pinion with the Circle Saver option. The easily accessible grease points simplify maintenance, ensuring longer component life and reduced downtime.

PROTECT YOUR POWERTRAIN

Prevent over speeding on down gradient. Sudden reversal of driving direction is prevented by the ECU. Shifting of transmission out of neutral position – possible only under program turbine speed. These features ensure that the machine will not suddenly jerk forward and reverse. Limp home mode prevents mechanical damage.

SMART FUEL. SUPERIOR EFFICIENCY.

The advanced fuel system delivers greater combustion control for a cleaner, more efficient fuel burn and enhanced engine performance.

REDUCED MAINTENANCE, INCREASED UPTIME

Maintain precise grading performance throughout the motor grader's life with a tight circle moldboard system. Durable structures and adjustable drawbar-circle-moldboard assemblies reduce service time with replaceable wear inserts, ensuring long-term reliability and lower maintenance costs.

EXTENDED COMPONENTS LIFE

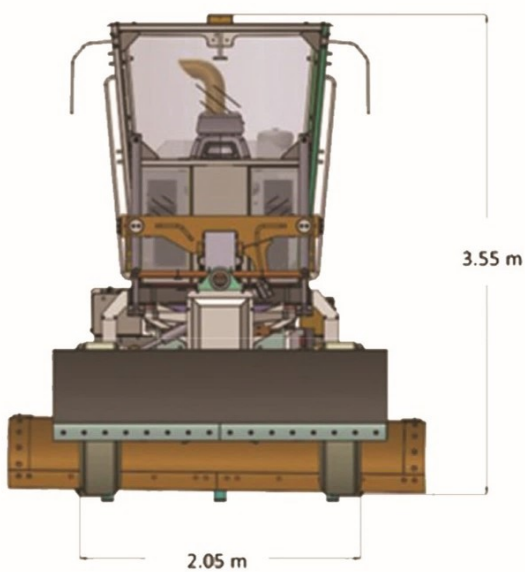
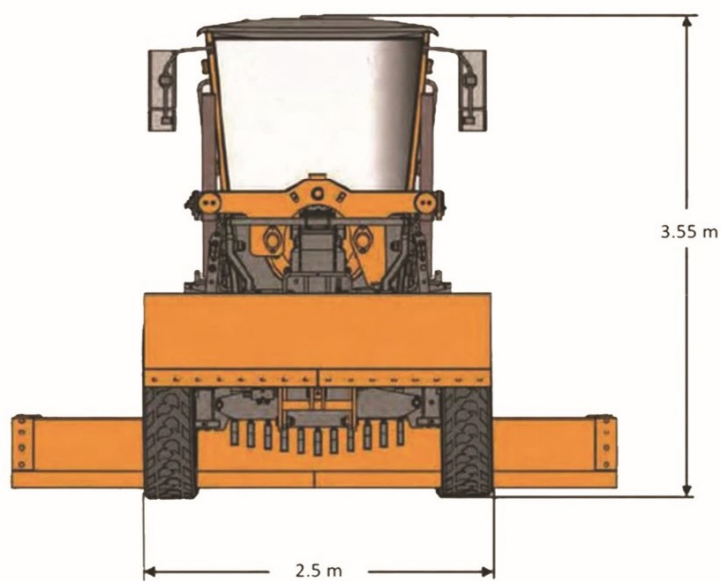
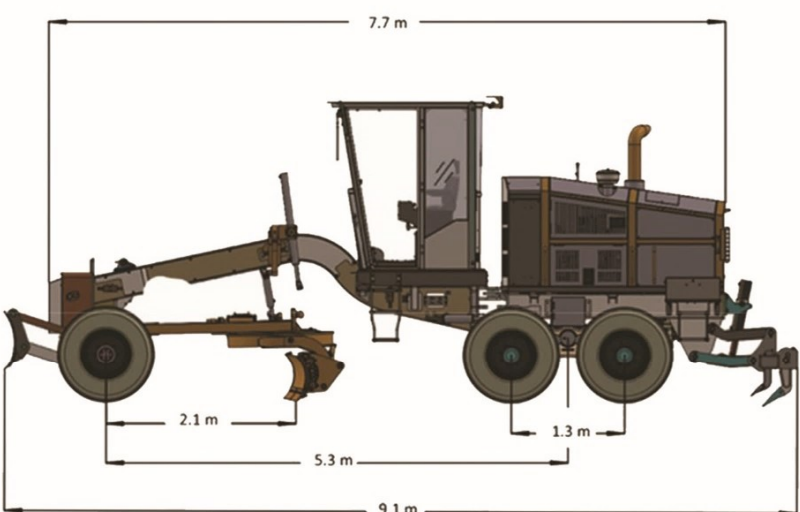
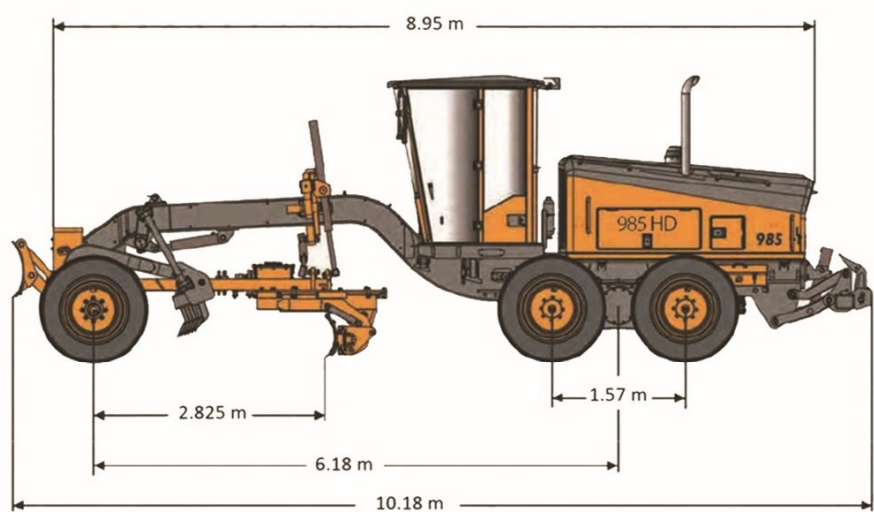
Engineered for durability – every major component is designed and tested to deliver a longer service life, reducing replacement frequency and maximizing machine uptime.

ADVANCED EMISSION CONTROL SYSTEMS

The advanced aftertreatment system uses field-proven technologies to meet India CEV Stage V emission standards, while delivering outstanding productivity, reliability, and extended service life.

SPECIFICATION - HD SERIES

DIMENSIONS



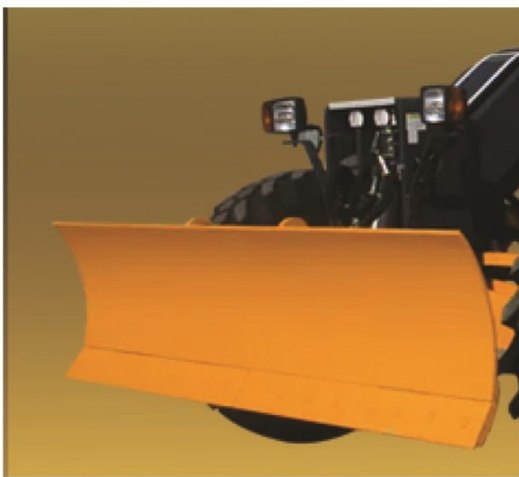
HD 985

HD 585

Boost Productivity with
Our Wide Range of Attachments



FRONT SCARIFIER



DOZER BLADE



RIPPER

ENHANCE YOUR PRODUCTIVITY

Boost your machine’s versatility with a wide range of Fine attachments- from rippers to blades — each engineered to deliver optimal performance, safety, and stability to match your specific needs.

SPECIFICATION - HD SERIES

Model	HD 985	HD 585
ENGINE		
Brand	Cummins India	Ashok Leyland
Model	QSB 6.7 CEV V	H4 130HP CEV V
Type	Electronic Common Rail fuel system, 4-Stroke, Turbocharged and Charge Air Cooled	Electronic Common Rail fuel system, 4-Stroke, Turbocharged and Charge Air Cooled
Cylinders	6-in line	4-in line
Bore x Stoke	107mm x 124mm	104 x 130 mm
Displacement	6.7 ltr.	3.84 ltr.
Torque	881Nm @1300 RPM	480 Nm @ 1400 RPM
Horsepower	173Hp @2200 RPM	130Hp @2200 RPM
TRANSMISSION		
Brand	ZF Ergo Power	AVTECH
Model	6WG-160 TC LOCK UP 6F, 3R.	TRT22221-1
Type	Automatic Powershift, Integrated torque converter with lock up clutch and stator freewheel with an independent control unit (TCU)	FNR
Speeds km/hr	6 Forward, 3 Reverse	F(LO-HI) , R(LO-HI)
1	5.2	5.5
2	8.1	13.1
3	12.4	30.4
4	19.2	
5	28.8	
6	44.5	
REAR AXLE		
Brand	DANA Grazziano	NAF
Type	Heavy duty tandem axle with central planetary reduction, no spin differential, oil immersed maintenance free hub brake system	Tandem axle with central planetary reduction WITH DRIFT LOCK
No. of disc/ brake	5	-
Tandem Type	Fully welded steel structure, Oscilates on a single centre pivot point	
FRONT AXLE		
Type	Fully welded steel structure, Oscilates on a single centre pivot point	Fully welded steel structure, Oscilates on a single centre pivot point
Oscilation	10deg on each side	10deg on each side
Wheel lean	17 deg on each side	17 deg on each side
Tyre Size	14.00 x 24"	11.00 x 20"
ARTICULATION		
Type	Hydraulic actuated with lock	Hydraulic actuated with lock
Range	20 deg on each side	20 deg on each side
HYDRAULICS		
System	Closed Centre	Closed Centre
Hydraulic Pump Brand	Casappa SpA	Parker
Type	Variable flow, load sensing axial piston pump, load independent post compensated valve.	Tandem Pump, Variable flow,Load ensing, piston pump
Fan drive system	Electro hydraulic, variable controlled (on demand) with auto reversal	
Rated Flow @2200RPM	160 Lpm	124 Lpm
Relief setting	220 Bar	220 Bar
Control Valve	10 section, closed centre	10 section, closed centre
Operation	Hydraulic Pilot control	Hydraulic control, Linkage System
OPERATING WEIGHT		
Standard Machine	15,800 Kg	10,100 Kg
Front Axle	3890 Kg	2710 kg
Rear Axle	1910 Kg	6750 Kg

SPECIFICATION - HD SERIES

Model	HD 985	HD 585
ELECTRICAL		
Voltage	24 Volt, negative ground	12 Volt, negative ground
Alternator	120 amp	90 amp
Batteries	2 x 12 Volt. 180 amps	12 Volt. 180 amps
Lighting		
Head lamp	Halogen type combination lamps	Halogen type combination lamps
Tail lamp	Combination tail lamps	Combination tail lamps
Work lamp	LED type work lamps (6nos)	LED type work lamps (6nos)
Strobe light	Amber LED, dual flash	Amber LED, dual flash
STEERING		
Type	Hydrostatic Power steering	Hydrostatic Power steering
Turn circle Diameter		
Straight frame	22.3m	
Articulated	16.6m	
Steering Arc	45 Deg	
Articulation	20 Deg	
Supplemental Steering	Integrated	
BREAKES		
Service Brakes	Foot operated, Hydraulicaly actuated, Dual independent valve circuit for inceased safety, maintenance free	Foot operated, Hydraulic master cylinder ryper
Parking Brake	Spring Applied Hydraulic Release (SAHR), Fail safe parking brake	Spring Applied Hydraulic Release (SAHR)
MAIN FRAME		
Type	Fully welded box section	Fully welded box section
Rear Frame	Modular powertrain mounting for ease of service	Modular powertrain mounting for ease of service
SERVICE CAPACITIES		
Fuel Tank	300 ltr	175 ltr
Hydraulic Tank	100 ltr	80 ltr
Engine Oil	25 ltr	10 ltr
Cooling System	25 ltr	18 ltr
Transmission Oil	22 ltr	35 ltr
Differential Oil	30 ltr	10 ltr
Tandem Oil	70 ltr each side	51.5 ltr each side
Worm Gearbox	7 ltr	5 ltr
DRAWBAR		
Type	Rectangular welded bar section, Narrow T design to aid visibilty of the work area	welded bar section
Frame attachment	Shim adjustable Spherical joint	Shim adjustable Spherical joint
Saddle	5 Position	-
CIRCLE DRIVE		
Type	Bolt on design for ease of service, Heat treated & case-hardened involute profile gear for long life	Bolt on design for ease of service
Gearbox	Heavy duty compact worm gear box with with increased torque transmission and shock load protection.	Heavy duty compact worm gear box
MOLDBOARD		
Type	20mm thick, involute profile	16mm thick, involute profile
Width	12ft (3.66m)	10ft (3.048m)
Height	1.62ft (0.494mm)	1.607ft(0.49m)
Blae tilt	40 Deg Forward, 5 Deg Backward	360 Deg
Max Sloping angle	90 Deg each side	90 Deg each side
Blade Reach	2.44ft (0.744m)	2.44ft (0.744m)
Centre shift (total)	5ft (1.524m)	3ft (0.194m)
Lift above ground	1.52ft (0.46m)	1.52ft (0.46m)
Rotation	360 Deg	360 Deg



FINE 585 HD

MOTOR GRADER

*Engineered for superior grading, comfort,
and advanced operator control.
Discover unmatched efficiency, accuracy,
and safety-every time you hit the ground.*



FINE MOTOR GRADER - 585 HD

Operating Weight - 10,100 Kg



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SCAN ME



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