

# F106.8 F106.8A F156.8 F156.8A

TIER 4  
FINAL



	F106.8 / F106.8A	F156.8 / F156.8A
<b>BASE ENGINE POWER (1<sup>ST</sup> - 3<sup>RD</sup> GEAR)</b>	102 kW / 138 hp	129 kW - 173 hp
<b>DUAL POWER (4<sup>TH</sup> - 6<sup>TH</sup> GEAR)</b>	115 kW / 156 hp	142 kW - 190 hp
<b>OPERATING WEIGHT</b>	12500 kg / 12800 kg (A)	16250 kg / 16650 kg (A)

 **NEW HOLLAND**  
CONSTRUCTION  
**BUILT AROUND YOU**



# OUTSTANDING PRECISION FOR HIGH GRADING PERFORMANCE

**BEST-IN-CLASS  
EFFICIENCY WITH  
“HI-ESCR” TIER 4 FINAL  
FPT ENGINE WITH  
DUAL POWER CURVE**

**OPTIMIZED FINISHING  
OPERATION  
“CREEP-MODE”  
ON 6 WD MODELS**

**FACTORY FITTED  
BLADE CONTROL  
PREDISPOSITION  
ENSURES FULLY GRADER  
CUSTOMIZATION**

**THE BEST WORKING  
PLACE AND EASY  
TRANSPORTATION WITH  
LOW PROFILE CAB**

**MAINTENANCE-FREE  
ENCAPSULATED ROLLER  
MOUNTED SLEWING  
RING**

**BEST IN CLASS  
CONTROLLABILITY  
WITH LOAD SENSING  
HYDRAULIC CIRCUIT**





## PERFECT GROUND CONTOUR



The slewing ring is mounted on roller bearings activated by internal gearing. The New Holland technology provided for the moldboard develops very low friction and high rotation torque, jolt-free, allowing very smooth and accurate moldboard rotation.

The saddle can be hydraulically set on 5 different positions and the exclusive geometry enables the operator to rotate the blade over 90° for each working sides. The infinitely variable radius blade reduces the traction effort, and in the finishing operations improves the material mixing effect.

Thanks to the exclusive moldboard design, with fewer greasing points, the daily maintenance is drastically reduced. During the machine service life, periodical substitution of wear inserts is not required reducing overall maintenance costs.

The New Holland graders equipment can be completed with a wide variety of fittings that makes them suitable for a great number of applications:

- 3 customizable moldboard widths for each model
- moldboard extensions
- 3 or 5 teeth ripper
- front blade
- rear hydraulic predisposition.

## ADVANCED HYDRAULIC CONTROL



The New Holland graders have the most precise hydraulic circuit in the market.

With highly responsive and precise controls, the load sensing hydraulics make any grader operation easy and smooth. A directly activated axial piston pump delivers only the required amount of oil where it is needed, avoiding any power waste. Control valves provide pressure compensation enabling the moldboard to be lifted or lowered in parallel. A dedicated switch installed on the cab floor allows the operator to obtain maximum output from the hydraulic circuit, independently from the engine revolutions, for faster reactions (HI-Speed Mode).

The exclusive hydraulic block, directly controlled, reduce any lever free play over the entire grader life, meanwhile the operator can benefit for a direct feed-back of the hydraulic system increasing the working accuracy. The float function, available as an option, let the oil flow unobstructedly in the cylinders and the moldboard follow the ground contour. Independently from New Holland hydraulic system evaluation, it always ensure unbeatable performances, fuel saving, reliability and grader controllability.





# MAXIMIZED POWERTRAIN EFFICIENCY

## HI-eSCR

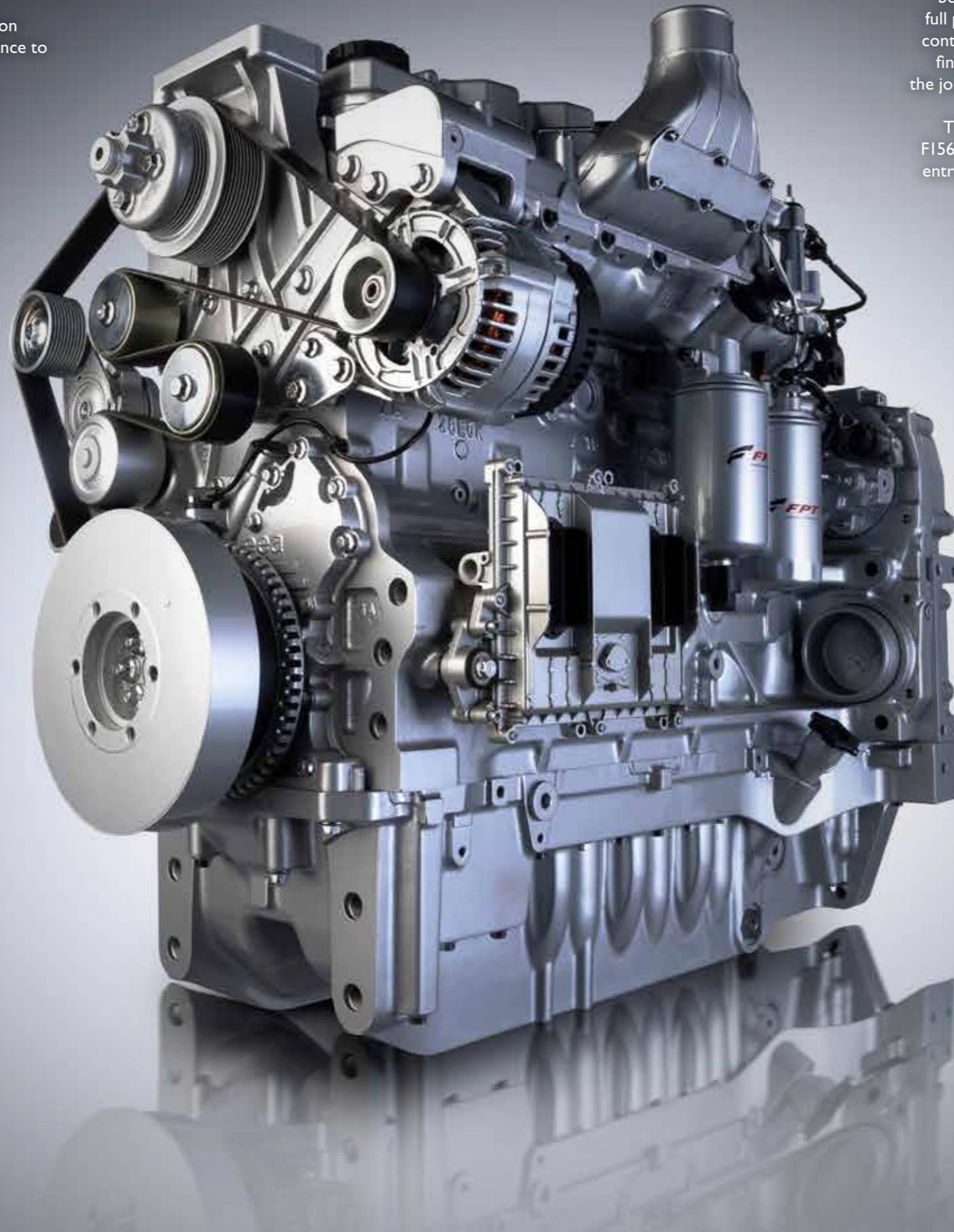
The patented "HI-eSCR" after-treatment system enables the Engine operation without using re-circulated exhaust gasses through AD Blue only, in accordance to TIER 4 FINAL emissions regulation. No cleaning and periodical maintenance downtime required, the SCR after-treatment system radically reduces the overall cost of ownership. Daily maintenance is easily performed thanks to quick access to the engine compartment and to engine compactness.



The engine is completely application-engineered to power motor graders which require fast torque response to keep high productivity levels. For even higher performances the Dual Power maximizes operation at higher speed thanks to the power curve flattening from 4th gear.

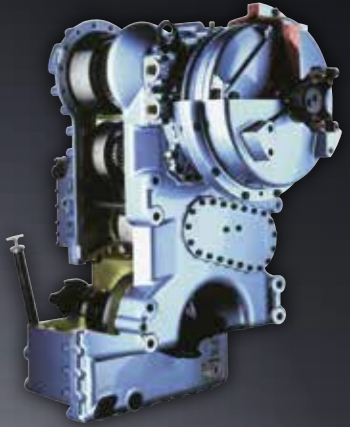


With the introduction of TIER 4 Final Engine FPT confirms its leadership as industrial application engines producer. The engine manufacturing long heritage was boosted by inventions which have been revolutionary such as the launch of diesel «Common Rail» technology in the 80s. FPT, as well as NEW Holland, is a Fiat CNH Industrial brand, and produces over 600.000 industrial engines per year; our engines stand up not only in earthmoving equipment but also in trucks, agricultural equipment, marine and military applications. These massive production volumes and our substantial investments in R&D enable us to offer, also in TIER 4 Final SCR-only solution, a unique and well proven technology that will drive down your operating costs.



The FPT engine is ideally complemented by the Ergopower transmission, offering the best in class efficiency in order to supply full power to the wheels. A perfect grader controllability and a maximum accuracy on finishing operations is achieved thanks to the jolt-free shifting combined to the torque converter smoothness.

Transmission commonality between the F156.8 and the F106.8, implies, even on the entry model, an additional boost of power, closer to the competitors upper tonnage models.



The new creep mode is now available as a standard for all the 6WD models. The driver can easily set the torque transfer (6WD mode) or the creep speed (turtle mode) using a single control switch. Based on the 6WD transmission ECDV control module the new feature increases the machine controllability either during precision work and in tightest spaces. On top of this, all those applications requiring high engine revolutions at lower speeds, such as compaction operations, are now easily performed without effort by the operator.



The new 24" radial tires on the F106.8 ensure higher floatability in soft soils as well as a better controllability in specific applications, such as forestry, thus making the machine less sensitive to bumps and soils irregularity.



# FULL CUSTOMIZATION WITH BLADE CONTROL PREDISPOSITION

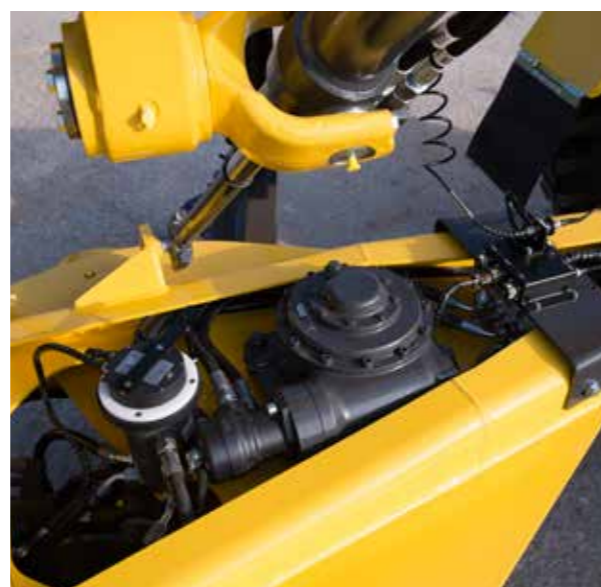


The New Holland "8 series" grader can be equipped from factory with the most common blade control predispositions. The unit is delivered to the customer with all the sensors, cables and supports. It's a real "plug and play" solution: the customer just have to install the antenna and the monitor on the cab and the blade control is ready to work.

The system is compatible with different types of controls: Sonic, Laser, GPS or Universal Total Station. The automatic blade control allows even the less skilled operators to get an enormous working capacity from New Holland grader; this helps to get the job done faster with fewer rounds, less material moved and consequently a more cost effective operation.

With the New Holland predisposition each customer can even use blade control devices already installed in other construction equipment of its fleet making the return on investment more immediate.

The installation of main components in factory provides an easier accessibility and consequently faster maintenance operations: this is a guarantee of high manufacturing standard, almost impossible to achieve through aftermarket solutions.



# LOW PROFILE CAB, HIGH OPERATOR COMFORT



The rear mounted ROPS/FOPS cab offers a highly valuable advantage in comfort and convenience:

- Operators are aware of the articulation angle at all times
- The further back located cab improves visibility on the moldboard.
- The cab weight carried on the rear frame emphasizes the machine traction.

The wide tinted glass mounted on the front and on the side of the cab provides unobstructed all-around visibility. Even when the driver is working seated, he can have full moldboard overview till its angle. The new rear view camera guarantees a safer rear view and an excellent operator's comfort. The driver doesn't have to turn back anymore when he has to drive the machine backward. The safety too is improved: any obstacle can be easily recognized from a quick look at the wide 7" color screen.

## LOW PROFILE CAB

New Holland graders offer an elegant low profile cab providing best-in class comfort and visibility while reducing the machine's total height of 180mm, so that there are no transport limitations.







# FLEETFORCE™

## LOWER MAINTENANCE AND OPERATING COSTS

You can access the maintenance information of every unit in your fleet from your desk and receive alerts when a machine is due for service. The maintenance plans can be synchronised automatically with your dealer, so that they run smoothly and the good health of the entire fleet is maintained at all times.

## HEALTH CHECK AND BREAKDOWN PREVENTION

New Holland's telematics system will provide you with detailed performance information, such as engine load, fuel consumption and Can-Bus based reports, so that you will be able to detect immediately if any of your units is not operating as it should. You and your dealer will also be able to monitor up to 12 key health parameters for each unit, such as engine, coolant and hydraulic oil temperatures, and other Can-Bus based data. This will enable you to detect any anomalies before they become a problem and prevent equipment failures.

## EFFECTIVE FLEET MANAGEMENT

New Holland's telematics system puts you in direct contact with each machine in your fleet, collects the performance and maintenance information from the units and their location data from GPS satellites and transmits it all through the mobile networks to the New Holland Telematics Web Portal: you can manage your fleet efficiently without leaving your desk.

## MAXIMISE YOUR FLEET'S PRODUCTIVITY

You can map the location of every unit and monitor when it is working, idle or travelling between jobsites. By identifying under- or over-used machines, you will be able to optimise the utilisation of the equipment through effective job assignment and preventing machines being left idling when not working.

## SECURITY AND CONTROL

You can also geo-fence your machines so that an e-mail alert is sent if one is taken out of the jobsite. You can also prevent the unauthorised use of the units setting up a working curfew and motion detection service to alert you if a machine is moved out of hours. By improving your fleet's security, you will also benefit from lower insurance premiums.



### 1 GPS POSITIONING

Your machine receives its GPS positioning from the satellite.



### 2 INFORMATION GATHERING

Your machine collects its working condition, engine and Can-Bus information, and sends it to the New Holland Fleetforce Web Portal through the mobile networks.



### 3 INFORMATION STORAGE AND PROCESSING

The New Holland Fleetforce Web Portal stores all your machine's information throughout its life cycle and makes it accessible to you in a user-friendly format.



### 4 MANAGING YOUR FLEET

You can access your machine's reports on your computer, through the New Holland Fleetforce Web Portal, and manage your fleet without leaving your desk.







# F 106.8 / 106.8A

## SPECIFICATIONS

### ENGINE TIER 4 FINAL "Hi-eSCR"

Maximum Power (ISO 14396/ECE R120)  
 From 1st to 3rd gear..... 102 kW / 138 hp  
 From 4th to 6th gear..... 115 kW / 156 hp  
 Governed..... 2100 rpm  
 Make & model..... NEF 6 cyl. CR TAA 4V  
 Aftertreatment system..... SCR only  
 Air filter with dust ejector..... std  
 Type .. diesel, common rail, dual power, turbocharged and intercooler  
 Displacement..... 6,7 l  
 Number of cylinders..... 6  
 Bore & stroke..... 104x132 mm  
 Maximum torque at 1400 rpm..... 725 Nm  
**Remote engine oil filter for easy replacement**  
**- 25°C outside temperature start as standard equipment**  
 The engine complies with 97/68/EC standards TIER 4 Final

### TORQUE CONVERTER

Single-stage torque converter integrated into shift gearbox  
 Automatic matching of output torque to changing travel conditions  
 Converter ratio..... 1.87: 1  
 Cooling by heat exchanger

### TRANSMISSION

Full powershift transmission with 6 forward and 3 reverse gears.  
 Electric single-lever shift with reverse-lock in ranges 3-6.

Speeds in km/h		
Gear	Forwards	Reverse
1.	5.4	5.7
2.	8.3	13.3
3.	12.6	29.2
4.	19.2	-
5.	27.9	-
6.	39.9	-

Tractive effort (adherence coefficient 0.8)	
106.8	66 kN
106.8A	85 kN

### AXLE FRONT

Oscillating axle with wheel spindle steering and hydraulic wheel lean adjustment

	F106.8	F106.8A
Axle oscillation	± 15°	± 15°
Wheel lean	± 21.45°	± 21.45°
Ground clearance	485 mm	485 mm

### AXLE REAR TANDEM

NEW HOLLAND tandem grader axle with automatic No-Spin differential  
 Oscillating tandem drives with heavy-duty roller chains  
 Oscillation..... ± 15°  
 Tandem box dimensions:  
 Height..... 599 mm

Width..... 201 mm  
 Wall thickness..... 20 mm  
 Chain pitch..... 50.8 mm  
 Tandem wheelbase..... 1241 mm

### ALL WHEEL DRIVE

Selectable in addition to the hydrodynamic rear-wheel drive.  
 Hydrostatic front-wheel drive with E.D.C.V. ( Electronic Drive Control Volume ). A bi-directional swash plate pump (forward/reverse) drives wheel-hub mounted motors in each of the front wheels. Hydraulic No-Spin differential prevents one-sided wheel spin and proportions torque when cornering. A microprocessor monitors and matches front- and rear-wheel drive forces. A stepless switch allows the operator to adapt front-wheel thrust to existing job conditions. Creep mode as standard: front traction only, for ultra low machine speed.

### BRAKES

Hydraulic, dual-circuit accumulator pump braking with 4 oil bath disc brakes acting on tandem-wheels. Parking brake: disc brake acting on transmission.

### STEERING

Operated from the adjustable steering and control console.  
 Front-wheel spindle steering, all hydraulic, volume control

	F106.8	F106.8A
Steering wheel lock, left/right	40°	40°
Articulated frame, with 2 double-flow steering cylinders:		
Articulation angle	± 28°	± 28°
Minimum turning radius:		
across tyres	6600 mm	6800 mm
across front blade	7300 mm	7600 mm

### TYRES

405/70 R20 SPT9 Dunlop  
 420/75 R20 XMCL TL Michelin  
 455/70 R20 SPT9 Dunlop  
 405/70 R24 SPT9 Dunlop



### MOLDBOARD CONTROL

Load Sensing for maximising functions controllability. Control levers for precision metering of adjustment speed. Pressure compensation in each of the control valve units permits parallel moldboard lifting or simultaneous operation of two other functions, with no disruptive interaction. A pedal allows the operator to switch to max. output for faster functioning (high-speed mode). Unlockable check valves maintain lift/cutting angles and wheel lean cylinders constant

### A-FRAME

Robust welded box section A-frame  
 L-profile with 125 x 120 x 8 mm cross section.

### SLEWING RING

Internal gearing, sealed roller-mounted, backlash-free, self-adjusting  
 Driven by hydraulic motor and moldboard mechanism  
 Diameter..... 1150 mm  
 Action radius..... 360°

### MOLDBOARD

Multiradius wear-resistant, high-grade steel with hardened rounded guides  
 Replaceable, split main and side blades  
 Width..... 2440/3050/3355 mm  
 Blade Height/thickness..... 526/15 mm  
 Cutting edge height/thickness..... 152/19 mm  
 Bolt diameter..... 16 mm

### MOLDBOARD SETTINGS

Shifting to the right..... 491 mm  
 to the left..... 708 mm  
 Reach across tyres w/o articulated steering:  
 right horizontal..... 1865 mm  
 left horizontal..... 1525 mm  
 Reach across tyres with articulated steering:  
 right horizontal..... 2490 mm  
 left horizontal..... 2150 mm  
 Max. slope angle: right..... 117°  
 left..... 76°  
 Max. lift height above ground..... 394 mm  
 Max. scraping depth..... 456 mm  
 Cutting angle adjustment, hydr..... 49.5°

### HYDRAULIC SYSTEM

Load Sensing with variable displacement axial piston pump. Zero oil delivery under no-function conditions and hence power savings.  
 Closed system with pressurised tank. Pressure relief valve.  
 Hydraulic pump..... swash plate, variable displacement  
 Max. delivery..... 94.5 l/min  
 Max. pressure..... 200 bar  
 Pressure relief setting..... 215 bar

### FRAME

Front frame: stiff, welded section from high-strength fine-grain steel  
 Cross-section..... 270 x 270mm  
 Wall thickness..... 12 mm  
 Rear frame..... torsion resistant frame  
 Cross-section..... 220 x 60 mm

### CAB

Elastically mounted, noise insulated ROPS/FOPS cab with two swinging doors. Either side access. Tinted glass. Rear-frame mounted cab. Heater/defroster nozzles. Air suspended seat. Low profile Cab option reducing overall grader height by 180 mm.  
 ROPS according to EEC sample testing..... ISO 3471  
 FOPS according to EEC sample testing..... ISO 3449  
 Cab noise level..... 77 dbA  
 External noise level..... 102 dbA

### ELECTRICAL SYSTEM

Voltage..... 24 V  
 Batteries..... 2 x 100 Ah  
 Alternator..... 90 A  
 Starter..... 4 kW

### CAPACITIES

	F 106.8	F 106.8A
Lube oil	12.5	12.5
Coolant (Including: cooler and Heater)	32.0	32.0
Transmission (including converter and cooling)	27.0	27.0
Axle gear	31.0	31.0
Tandem	120.0	120.0
Worm gear	2	2
Hydraulic tank	70.0	70.0
Hydraulic oil, total	170.0	185.0
Fuel tank	278.0	278.0
AdBlue tank	54	54



# F156.8/156.8A

## SPECIFICATIONS

### ENGINE TIER 4 FINAL "Hi-eSCR"

Maximum Power (ISO 14396/ECE R120)  
 From 1st to 3rd gear..... 129 kW/173 hp  
 From 4th to 6th gear..... 142 kW/190 hp  
 Governed..... 2100 rpm  
 Make & model..... NEF 6 cyl. CR TAA 4V  
 Aftertreatment system..... SCR only  
 Air filter with dust ejector..... std  
 Type .. diesel, common rail, dual power, turbocharged and intercooler  
 Displacement..... 6.7 l  
 Number of cylinders..... 6  
 Bore & stroke..... 104x132 mm  
 Maximum torque at 1400 rpm..... 850 Nm  
**Remote engine oil filter for easy replacement**  
**- 25°C outside temperature start as standard equipment**  
 The engine complies with 97/68/EC standards TIER 4 Final

### TORQUE CONVERTER

Single-stage torque converter integrated into shift gearbox  
 Automatic matching of output torque to changing travel conditions  
 Converter ratio..... 1.91: 1  
 Cooling by heat exchanger

### TRANSMISSION

Full powershift transmission with 6 forward and 3 reverse gears.  
 Electric single-lever shift with reverse-lock in ranges 3-6.

Speeds in km/h		
Gear	Forwards	Reverse
1.	5.0	5.4
2.	7.7	12.6
3.	11.8	27.9
4.	17.9	-
5.	26.0	-
6.	38.0	-

**Tractive effort (adherence coefficient 0.8)**  
 156.8..... 95 kN  
 156.8A..... 117 kN

### AXLE FRONT

Oscillating axle with wheel spindle steering and hydraulic wheel lean adjustment

	F156.8	F156.8A
Axle oscillation	± 15°	± 15°
Wheel lean	± 20.3°	± 20.3°
Ground clearance	554 mm	554 mm

### AXLE REAR TANDEM

NEW HOLLAND tandem grader axle with automatic No-Spin differential  
 Oscillating tandem drives with heavy-duty roller chains  
 Planetary reduction  
 Oscillation..... ± 15°  
 Tandem box dimensions:

Height..... 590 mm  
 Width..... 199 mm  
 Wall thickness..... 20 mm  
 Chain pitch..... 50.8 mm  
 Tandem wheelbase..... 1572.6 mm

### ALL WHEEL DRIVE

Selectable in addition to the hydrodynamic rear-wheel drive.  
 Hydrostatic front-wheel drive with E.D.C.V. (Electronic Drive Control Volume). A bi-directional swash plate pump (forward/reverse) drives wheel-hub mounted motors in each of the front wheels. Hydraulic No-Spin differential prevents one-sided wheel spin and proportions torque when cornering. A microprocessor monitors and matches front- and rear-wheel drive forces. A stepless switch allows the operator to adapt front-wheel thrust to existing job conditions. Creep mode as standard: front traction only, for ultra low machine speed.

### BRAKES

Hydraulic dual-circuit accumulator pump braking system with four oil cooled disc brakes. Disc brake acting on transmission.

### STEERING

Operated from the adjustable steering and control console.  
 Front-wheel spindle steering, all hydraulic, volume control.

	F156.7	F156.7 A
Steering wheel lock, left/right	42.5°	42.5°
Articulated frame with 2 double-flow steering cylinders:		
Articulation angle	± 28°	± 28°
Minimum turning radius:		
across tyres	7300 mm	7300 mm
across front blade	8100 mm	8000 mm

### TYRES

17.5 R25 XHA MICHELIN (transport width < 2500 mm)  
 17.5 R25 XTLA G2 MICHELIN  
 17.5 - 25 EM SGL TL GOODYEAR (transport width < 2500 mm)  
 17.5R25 RM94 TL PIRELLI



### MOLDBOARD CONTROL

Load Sensing for maximising functions controllability. Control levers for precision metering of adjustment speed. Pressure compensation in each of the control valve units permits parallel moldboard lifting or simultaneous operation of two other functions, with no disruptive interaction. A pedal allows the operator to switch to max. output for faster functioning (high-speed mode). Unlockable check valves maintain lift/cutting angles and wheel lean cylinders constant.

### A-FRAME

Robust welded box section A-frame.  
 L-profile with 140 x 140 x 10 mm cross section.

### SLEWING RING

Internal gearing, sealed roller-mounted, backlash-free, self-adjusting  
 Driven by hydraulic motor and moldboard mechanism  
 Diameter..... 1350 mm  
 Action radius..... 360°

### MOLDBOARD

Multiradius wear-resistant, high-grade steel with hardened rounded guides. Replaceable, split main and side blades.  
 Width..... 3350/3965/3660 mm  
 Blade height/thickness..... 603/20 mm  
 Cutting edge height/thickness..... 152/19 mm  
 Bolt diameter..... 16 mm

### MOLDBOARD SETTINGS

Shifting	to the right.....	755 mm
	to the left.....	645 mm
Reach across tyres w/o articulated steering:		
right horizontal.....		2375 mm
left horizontal.....		1685 mm
Reach across tyres with articulated steering:		
right horizontal.....		3235 mm
left horizontal.....		2545 mm
Max. slope angle:		
right.....		100°
left.....		112°
Max. lift height above ground.....		480 mm
Max. scraping depth.....		500 mm
Cutting angle adjustment, hydr.....		50°

### HYDRAULIC SYSTEM

Load-Sensing with variable displacement axial piston pump. Zero oil delivery under no-function conditions and hence power savings.  
 Closed system with pressurised tank. Pressure relief valve.  
 Hydraulic pump..... swash plate, variable displacement  
 Max delivery..... 126 l/min  
 Max. pressure..... 200 bar  
 Pressure relief setting..... 215 bar

### FRAME

Front frame: stiff, welded section from high-strength, fine-grain steel  
 Cross-section 300 x 300 mm  
 Wall thickness..... 20 mm  
 Rear frame..... torsion resistant frame  
 Cross-section 260 x 90 mm

### CAB

Elastically mounted, noise insulated ROPS/FOPS cab with two swinging doors. Either side access. Tinted glass. Rear-frame mounted cab. Heater/defroster nozzles. Air suspended seat. Low profile Cab option reducing overall grader height by 180 mm.  
 ROPS according to EEC sample testing..... ISO 3471  
 FOPS according to EEC sample testing..... ISO 3449  
 Cab noise level..... 78 dbA  
 External noise level..... 101 dbA

### ELECTRICAL SYSTEM

Voltage..... 24 V  
 Batteries..... 2 x 100 Ah  
 Alternator..... 90 A  
 Starter..... 4 kW

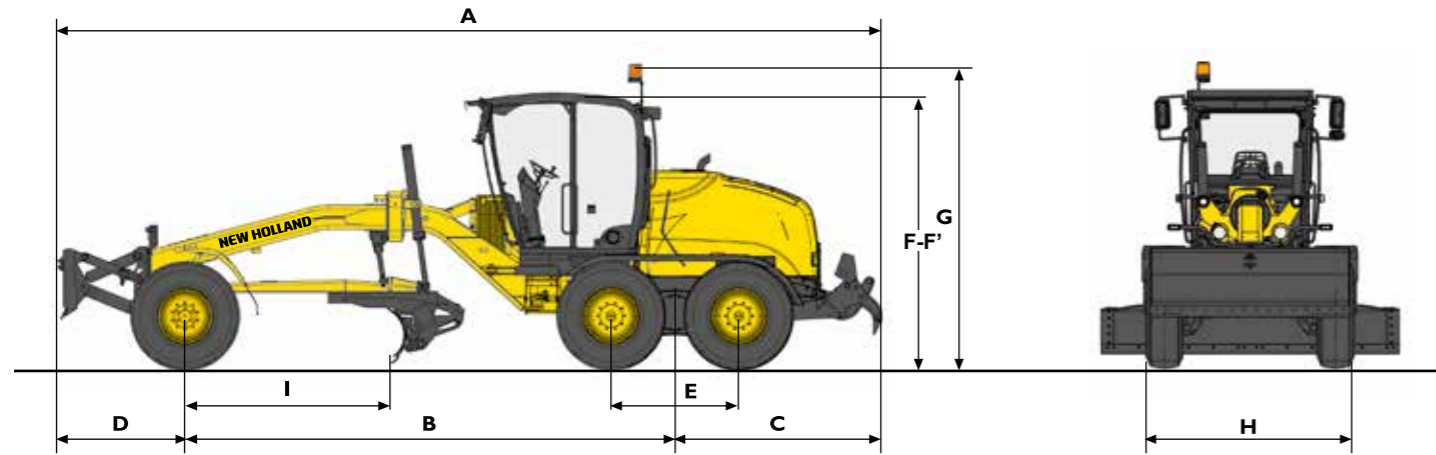
### CAPACITIES

	F156.8	F156.8A
Lube oil.....	12.5	12.5
Coolant (Including: cooler and Heater).....	32.0	32.0
Transmission (including converter and cooling).....	27.0	27.0
Axle gear.....	36.0	36.0
Tandem.....	128.0	128.0
Worm gear.....	2.5	2.5
Hydraulic tank.....	90.0	90.0
Hydraulic oil, total	185.0	200.0
Fuel tank.....	278.0	278.0
AdBlue tank.....	54	54



# F106.8/106.8A/156.8/156.8A

## DIMENSIONS (mm) - OPERATING WEIGHTS



MACHINE WITH:		F106.8	F106.8A	F156.8	F156.8A
Front & rear counterweight	kg	11701	12001	14976	15376
Front blade & rear c/w	kg	11805	12105	15140	15540
Front c/w & rear ripper	kg	12005	12305	15407	15807
Front blade & rear ripper	kg	12109	12409	15571	15971
Max. operating weight	kg	12500	12800	16250	16650

With low Profile Cab the weight is reduced by: 35 kg

F106.8-F106.8A EQUIPPED WITH:		FRONT & REAR COUNTERWEIGHT	FRONT BLADE & REAR COUNTERWEIGHT	FRONT COUNTERWEIGHT & REAR RIPPER	FRONT BLADE & REAR RIPPER
A Total length	mm	7697	8372	8331	8961
B Wheelbase	mm	5351			
C Rear attachment end	mm	1605	1605	2174	2174
D Front attachment end	mm	762	1436	762	1436
E Tandem base	mm	1241	1241	1241	1241
F Standard cab height	mm	3240	3240	3240	3240
F' Low profile cab height	mm	3060	3060	3060	3060
G Max machine height	mm	3586	3586	3586	3586
H Width over tyres	mm	2303		2360	
I Blade base	mm	1997			

Dimensions referred to a machine equipped with 405/70R20 tires.  
Machine height and width over tires may vary with other tires.

F156.8-F156.8A EQUIPPED WITH:		FRONT & REAR COUNTERWEIGHT	FRONT BLADE & REAR COUNTERWEIGHT	FRONT COUNTERWEIGHT & REAR RIPPER	FRONT BLADE & REAR RIPPER
A Total length	mm	8592	9317	9285	10044
B Wheelbase	mm	6023			
C Rear attachment end	mm	1785	1785	2458	2458
D Front attachment end	mm	809	1568	809	1568
E Tandem base	mm	1572			
F Standard cab height	mm	3330	3330	3330	3330
F' Low profile cab height	mm	3150	3150	3150	3150
G Max machine height	mm	3674	3674	3674	3674
H Width over tyres	mm	2549		2555	
I Blade base	mm	2504	2504	2504	2504

Dimensions referred to a machine equipped with 17.5R25EM tires.  
Machine height and width over tires may vary with other tires.

## STANDARD EQUIPMENT

- Battery main switch
  - Cab equipped with two fully swinging doors for both side access, tinted safety glasses, front and rear sunshield
  - Caliper disc parking brake operating on transmission
  - NEF Tier 4 Final engine with electronic management and "Dual Power"
  - SCR only exhaust gas aftertreatment
  - Cold start
  - Control levers for precise and simultaneous moldboard operations
  - Front counterweight
  - Front & rear fenders
  - Front wheel spindle steering with adjustable steering column
  - Heating system
  - High grade steel moldboard with hardened rounded guides
  - Hydraulic & dual-circuit accumulator brake system operating on tandem wheels
  - Hydraulically adjustable for 90° bank slope
  - Hydrostatic front-wheel drive with E.D.C.V. Electronic Drive
- Control Volume & hydraulic differential \*
  - Internal gearing, sealed, backlash-free & self-adjusting slewing ring operating on 360°
  - Load sensing hydraulic system with variable displacement pump
  - Mechanical suspension seat
  - Moldboard cutting angle hydraulically adjustable
  - Oscillating front axle with hydraulic lean adjustment
  - Oscillating tandem axle with automatic no-spin differential
  - Powershift transmission with 6 forward & 3 reverse speeds, with integrated torque converter
  - Rear counterweight
  - Road traffic lights
  - Rops/Fops suspended cab, mounted on rear frame
  - Standard cab
  - Air suspended seat
  - Creep mode ("A" version only)

\* Only on F106.7A & F156.7A

## OPTIONS

- Additional electric fan in cab
- Air conditioning
- Back-up alarm
- Biological hydraulic oil
- Floating valve for moldboard
- Front lights on cab
- Fuel refilling pump (50 l/min)
- Left & right moldboard side plates
- Low profile cab
- Overload clutch on moldboard
- Parallel front blade
- Rear lights on cab
- 3 or 5 teeth rear ripper
- 3 or 5 teeth rear ripper with protection device
- Scarifier on moldboard
- Right moldboard extension
- Rotating beacon
- Tow coupling
- New Holland "Fleet Force"
- Rear view Camera with 7" monitor
- Blade control predisposition (Leica, Topcon, Trimble)
- Front counterweight for 106.8 and 106.8A (510 kg)
- Front counterweight for 156.8 and 156.8A (763 kg)
- Tool box

Note: standard and optional equipment may vary by country. Consult your NEW HOLLAND dealer for specific details.

HYDRAULICALLY CONTROLLED FRONT DOZER BLADE		F106.8 F106.8A	F156.8 F156.8A
Blade width	mm	2350	2450
Blade height	mm	765	870
Penetration depth	mm	136	174
Max. ground clearance	mm	509	547

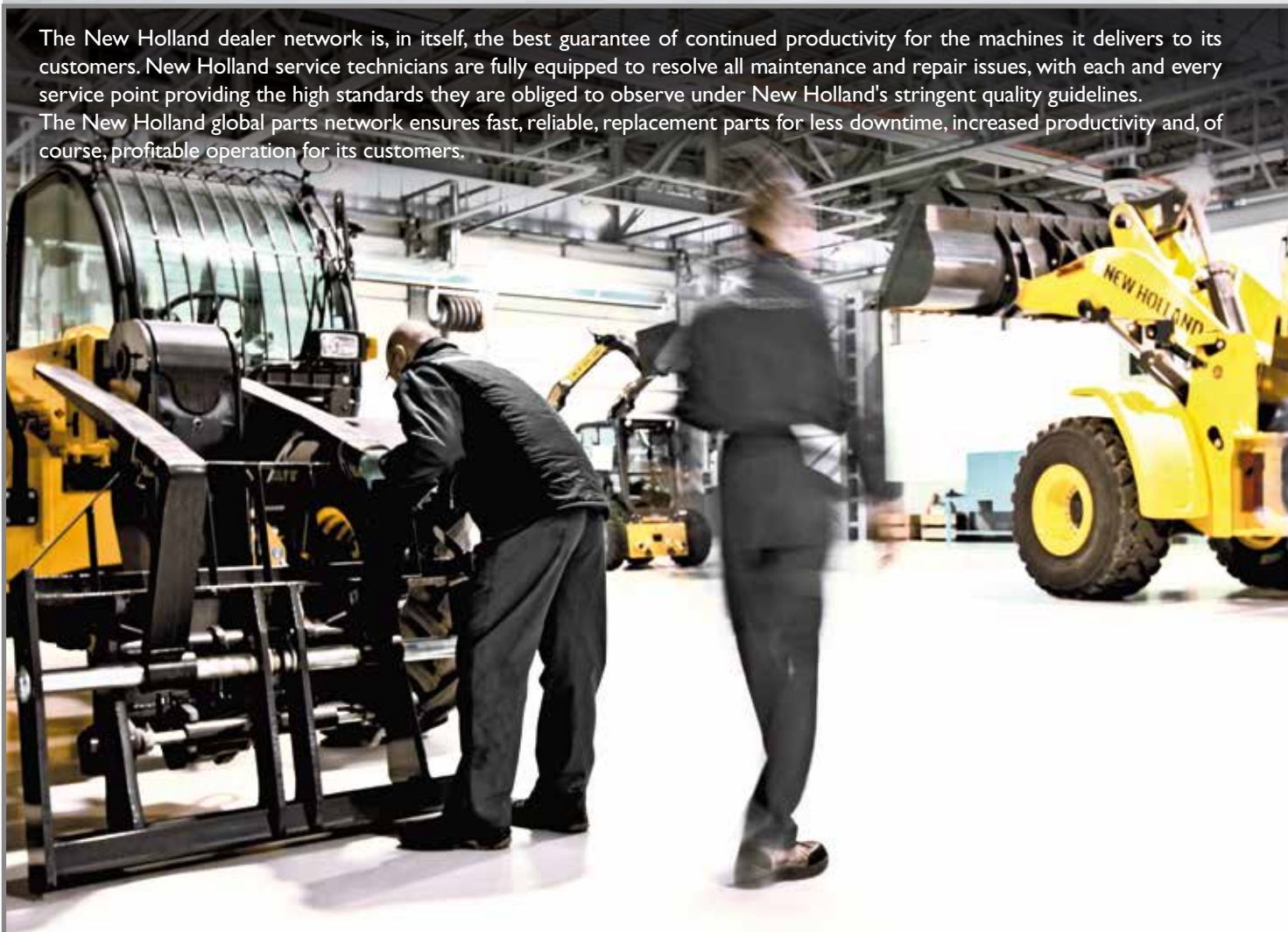
HYDRAULICALLY CONTROLLED REAR RIPPER FOR HEAVY DUTY APPLICATIONS		F106.8 F106.8A	F156.8 F156.8A
Ripping width	mm	2000	2220
Ripping depth	mm	361	361
Number of shanks	n°	3/5	3/5
Interval of shanks	mm	1000/500	1110/555

THE MOVABLE MOLDBOARD SCARIFIER CAN BE OPERATED IN BOTH DIRECTIONS		F106.8 F106.8A	F156.8 F156.8A
Number of shanks	n°	4	6
Scarifying width	mm	900	1100
<b>RIPPING TRACK DISPLACEMENT</b>			
Left	mm	420	580
Right	mm	950	1200
Scarifying depth	mm	134	78



# PARTS AND SERVICE

The New Holland dealer network is, in itself, the best guarantee of continued productivity for the machines it delivers to its customers. New Holland service technicians are fully equipped to resolve all maintenance and repair issues, with each and every service point providing the high standards they are obliged to observe under New Holland's stringent quality guidelines. The New Holland global parts network ensures fast, reliable, replacement parts for less downtime, increased productivity and, of course, profitable operation for its customers.



## AT YOUR OWN DEALERSHIP

The information contained in this brochure is intended to be of general nature only. The NEW HOLLAND CONSTRUCTION MACHINERY S.p.A. company may at any time and from time to time, for technical or other necessary reasons, modify any of the details or specifications of the product described in this brochure. Illustrations do not necessarily show products in standard conditions. The dimensions, weights and capacities shown herein, as well as any conversion data used, are approximate only and are subject to variations within normal manufacturing techniques.

Published by NEW HOLLAND CONSTRUCTION MACHINERY S.p.A.  
Printed in Italy - MediaCross Firenze - Cod 30705GB - Printed 08/14

Printed on recycled paper  
CoC-FSC 000010 CQ Mixed sources



[www.newholland.com](http://www.newholland.com)

