

 **NEW HOLLAND**

**F200**



NET FLYWHEEL POWER

149 kW - 200 hp

OPERATING WEIGHT

17 250 kg

 **NEW HOLLAND**

PROVEN PERFORMANCE

# F200 SPECIFICATIONS



## OPERATING WEIGHT

Unit with coolant, hydraulic, full fuel tank, operator and ROPS cab  
 On front wheels .....5103 kg  
 On rear wheels .....12147 kg  
 Total.....17250 kg



## ENGINE TIER 2

Choice of two engines:  
 - Tier 2 - Emissioned  
 - Not emissioned  
 Net flywheel power (SAE J1349) .....149 kW/200 hp  
 Both engines deliver the same net flywheel power  
 at the rated engine speed.....2200 rpm  
 Stated net flywheel power is delivered up to 2500 m a.s.l.

Make and model.....(Emissioned) Cummins 6 CTAA 8.3 Tier 2  
 (Not emissioned) Cummins 6 CT 8.3  
 Type .....Diesel, 4 stroke, direct injection turbocharged  
 Total displacement .....8.3 l  
 N° of cylinders .....6  
 Bore x stroke .....114 x 135 mm  
 Maximum torque:  
 emissioned - 1600 rpm.....87 daNm  
 not emissioned - 1300 rpm.....77 daNm



## ELECTRICAL SYSTEM

Voltage .....24 V  
 Batteries in series .....2  
 Total capacity .....100 Ah  
 Alternator capacity .....70 A



## TRANSMISSION

Type: direct drive PowerShift, modulated shift on-the-go with inching pedal. Eight speed forward and four reverse.  
 Control: electric, single lever “bump type”

Speeds	Forward	Reverse
	km/h	km/h
1	3.9	3.9
2	5.5	7.6
3	7.6	15.5
4	10.6	30.6
5	15.5	-
6	21.7	-
7	30.6	-
8	43.0	-



## TANDEM DRIVE HOUSING

Welded box section, wall thickness .....16 mm  
 Chain pitch .....31.8 mm  
 Interchangeable axles and sprockets, mounted on ball bearings.  
 Tandem oscillation, each way .....20°



## AXLE FRONT

High clearance, high strength welded steel construction with 19° oscillation each way.  
 Wheel lean 18° right and left, hydraulically operated.  
 Ground clearance .....622 mm



## AXLE REAR

Heavy duty cast iron housing. Heat treated steel axles with tapered roller bearings.  
 Ground clearance .....380 mm  
 Super max-trac (limited slip) differential.



## BRAKE SYSTEM

- **Service brakes:** Foot operated, hydraulically actuated, multiple sealed inboard wet-disc brakes located at the four tandem hubs.
- **Emergency brakes:** Each service system circuit is equipped with a nitrogen accumulator, ensuring brake efficiency with the engine off and operator warning system (visual and audible).
- **Parking brake:** Hand operated, caliper installed on transmission output shaft.



## FRAMES

- Front frame  
 Welded box .....298 x 254 mm  
 Frame section weight .....173 kg/m
- Rear frame  
 Welded box .....299 x 121 mm  
 Frame section weight each side .....114 kg/m



## DRAWBAR

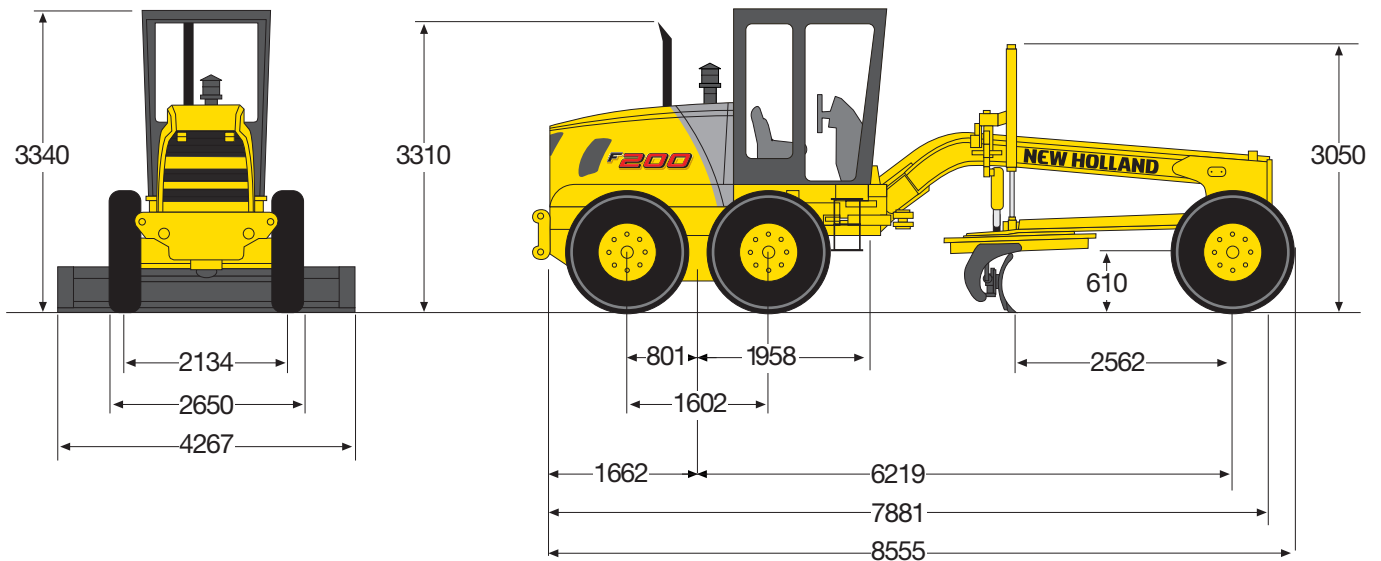
Type “A” frame welded construction with centre mounted circle turn motor.  
 Connections: shim-adjustable ball and socket.



## CIRCLE

Outside diameter .....1753 mm  
 Fabricated “T” section .....178 x 168 x 38 mm  
 Degrees turn .....360°  
 Wear surface, replaceable phenolic inserts.  
 Total wear plate area .....2845 cm<sup>2</sup>  
 Circle turn gears enclosed and running in oil.

# F200



## BLADE

One piece "Roll-Away", involute curve blade with replaceable end bits and cutting edges.

Hydraulic blade side shift and pitch.

Available sizes .....4267 x 671 x 22 mm  
 .....3962 x 671 x 22 mm  
 .....3658 x 622 x 22 mm

Lift above ground .....445 mm

Blade side shift left .....533 mm

Blade side shift right .....686 mm

Blade penetration .....712 mm

Reach outside wheels (STD blade, frame in stright position)\*

- left.....1978 mm

- right .....2174 mm

Blade pitch range.....backward 5°

forward 40°

Bank cutting angle (left and right) .....90°

Blade pressure

- with ROPS cab.....9135 kg

- with ROPS cab, ripper and front blade .....10885 kg

\* (with frame art. 25° + 684 mm L&R)

## HYDRAULIC SYSTEM

Full hydraulic "Load Sensing" system with variable displacement piston pump, pressure and flow compensated control valve.

Blade lifting cylinder mounted on rotating saddle. Saddle locking controlled by 1 electro-hydraulic pin actuated from the dashboard.

- max flow delivery .....186 l/min

- max working pressure .....179 bar

## STEERING

- Front wheels

Type .....hydrostatic, orbitrol

Pump .....gear type

Capacity at 2200 rpm .....43 l/min

Cylinders .....2

bore x stroke .....64 x 267 mm

Wheel steer angle (left & right) .....48°

- Articulated frame

Hydraulic actuated articulation (left & right) .....25°

Cylinders .....2

bore x stroke .....80 x 377 mm

Minimum turning radius .....7.3 m

## TYRES

One set of the following heavy-duty tyres as listed below:

14.00 x 24 (10PR)

14.00 x 24 (12PR)

16.00 x 24 (12PR)

17.50 x 25 (12PR)

20.50 x 25 (12PR)

## CAPACITIES

Engine ..... litres

Fuel tank .....341.0

Cooling system .....40.0

Crankcase .....19.0

Transmission .....22.0

Tandem case each .....23.0

Hydraulic tank .....95.6

Rear axle .....25.0

Circle turn housing .....3.0

# ATTACHMENTS

## FRONT SCARIFIER

Type .....	parallelogram, front mounted
Weight (5 teeth) .....	570 kg
Width .....	1168 mm
Number of teeth .....	5 (std.) or 11 (opt.)
Width between teeth:	
- with 5 teeth .....	229 mm
- with 11 teeth .....	114 mm
Lift above ground .....	527 mm
Penetration .....	318 mm
Machine length with front scarifier .....	9400 mm

## REAR RIPPER

Type .....	parallelogram, rear mounted
Weight .....	985 kg

Width .....	2340 mm
Number of teeth .....	5
Width between teeth .....	530 mm
Lift above ground .....	518 mm
Penetration .....	437 mm
Machine length with ripper/scarifier .....	9735 mm

## DOZER BLADE

Type .....	front mounted
Weight .....	1165 kg
Dimensions .....	2762 x 953 mm
Lift above ground .....	622 mm
Penetration .....	165 mm
Machine length with dozer blade .....	9525 mm

# STANDARD EQUIPMENT

- Adjustable operator's console
- Adjustable tilt steering wheel
- Air cleaner, automatic dust ejector
- Alternator - 70 Amp
- Antifreeze
- Back-up alarm
- Blade 4267 mm
- Blade side shift & pitch, hydraulic
- Controls, hydraulic: Articulation, Blade lift/lower, Blade side shift, Circle side shift, Circle turn, Front & rear attachment, Saddle lock, Wheel lean
- Electronic data monitor
- Engine side panels

- Engine TIER 1 or TIER 2 emission regulation
- Fan, with finger guard
- Gauges: Engine coolant temperature, Engine oil pressure, Fuel level, Transmission oil pressure, Transmission oil temperature
- Horn
- Light package: Moldboard work lights (2), Rear work light (2), Turn signals, stop, taillights & warning flashers
- Muffler
- Rear drawbar
- ROPS canopy with inside rear view mirror
- Saddle 5 points
- Tires 17.50 x 25 (12PR)

# OPTIONAL EQUIPMENT

- Additional hydraulic functions
- Air conditioning
- Blade 3962 mm
- Blade 3658 mm
- Blade extension, 600 mm each side
- Blade floatation control
- Blade rock bits
- Cab mounted flood lights (2)
- Cold weather starting aid
- Dozer blade floatation control
- Emergency steering
- Front counterweight
- Front pull hook
- Front push plate
- Outside rear view mirrors
- Piping for front attachment
- Piping for rear attachment

- Pressurised cab
- Rear axle with differential lock-unlock and wet disc brakes at the four tandems hubs.
- ROPS cab with: Dome light, Floor mat, Front/rear wipers 2 speed and windows washer, Heater, Inside rear view mirror, Sound suppression, Suspension seat, Seat belt, Tinted safety glass
- Rotation beacon/strobe light
- Saddle fixed
- Saddle 3 points
- Slow moving emblem
- Spare tire
- Tire 14.00 x 24 (10PR), 14.00 x 24 (12PR), 16.00 x 24 (12PR), 20.50 x 25 (12PR)
- Tire inflation
- Tool box
- Tool kit
- Vandalism protection
- Warning beacon

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

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