

 **NEW HOLLAND**

F200



NET FLYWHEEL POWER

149 kW - 200 hp

OPERATING WEIGHT

17 250 kg

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www.newholland.com

F200 SPECIFICATIONS



OPERATING WEIGHT

Unit with coolant, hydraulic, full fuel tank, operator and ROPS cab
 On front wheels5103 kg
 On rear wheels12147 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
 TypeDiesel, 4 stroke, direct injection turbocharged
 Total displacement8.3 l
 N° of cylinders6
 Bore x stroke114 x 135 mm
 Maximum torque:
 emissioned - 1600 rpm.....87 daNm
 not emissioned - 1300 rpm.....77 daNm



ELECTRICAL SYSTEM

Voltage24 V
 Batteries in series2
 Total capacity100 Ah
 Alternator capacity70 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 thickness16 mm
 Chain pitch31.8 mm
 Interchangeable axles and sprockets, mounted on ball bearings.
 Tandem oscillation, each way20°



AXLE FRONT

High clearance, high strength welded steel construction with 19° oscillation each way.
 Wheel lean 18° right and left, hydraulically operated.
 Ground clearance622 mm



AXLE REAR

Heavy duty cast iron housing. Heat treated steel axles with tapered roller bearings.
 Ground clearance380 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 box298 x 254 mm
 Frame section weight173 kg/m
- Rear frame
 Welded box299 x 121 mm
 Frame section weight each side114 kg/m



DRAWBAR

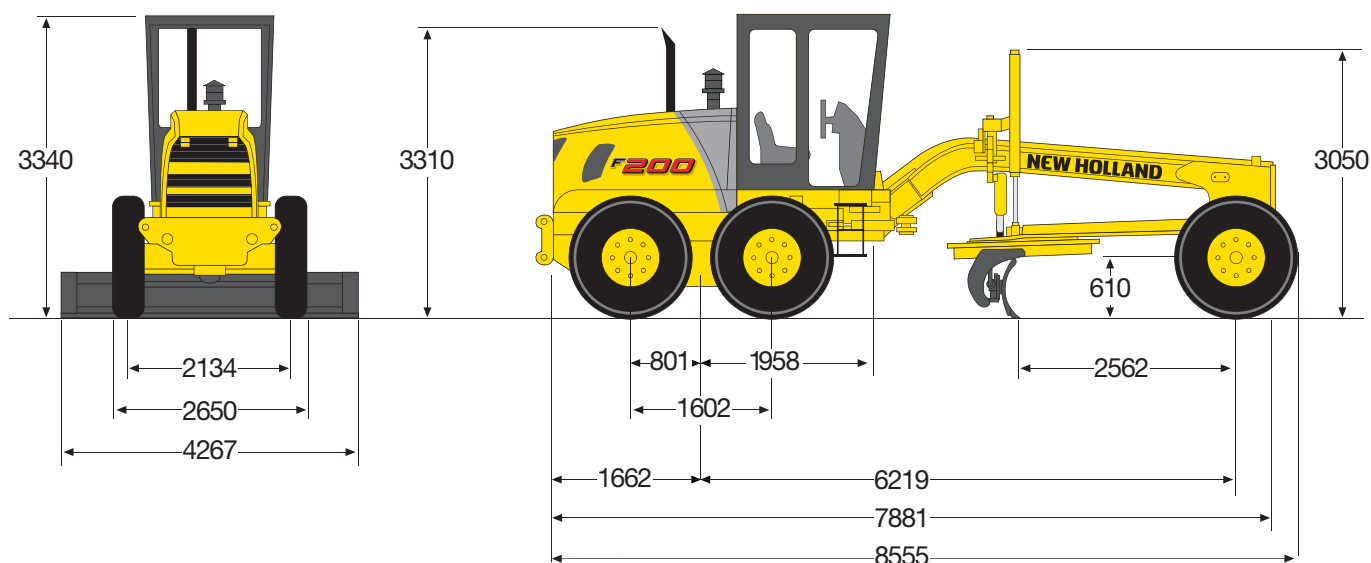
Type "A" frame welded construction with centre mounted circle turn motor.
 Connections: shim-adjustable ball and socket.



CIRCLE

Outside diameter1753 mm
 Fabricated "T" section178 x 168 x 38 mm
 Degrees turn360°
 Wear surface, replaceable phenolic inserts.
 Total wear plate area2845 cm²
 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 sizes4267 x 671 x 22 mm
3962 x 671 x 22 mm
3658 x 622 x 22 mm

Lift above ground445 mm

Blade side shift left533 mm

Blade side shift right686 mm

Blade penetration712 mm

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

- left1978 mm

- right2174 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 blade10885 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 delivery186 l/min

- max working pressure179 bar



STEERING

- Front wheels

Typehydrostatic, orbitrol

Pumpgear type

Capacity at 2200 rpm43 l/min

Cylinders2

bore x stroke64 x 267 mm

Wheel steer angle (left & right)48°

- Articulated frame

Hydraulic actuated articulation (left & right)25°

Cylinders2

bore x stroke80 x 377 mm

Minimum turning radius7.3 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 tank341.0

Cooling system.....40.0

Crankcase19.0

Transmission22.0

Tandem case each23.0

Hydraulic tank95.6

Rear axle25.0

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
- Tyres 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 tyre
- Tyre 14.00 x 24 (10PR), 14.00 x 24 (12PR), 16.00 x 24 (12PR), 20.50 x 25 (12PR)
- Tyre 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.

AT YOUR OWN DEALERSHIP

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