

# F170



NET FLYWHEEL POWER  
- TIER 2 - EMISSIONED ENGINE  
- NOT EMISSIONED ENGINE

127 kW - 170 hp  
116 kW - 155 hp

OPERATING WEIGHT

14 550 KG

 **NEW HOLLAND**

# F170 SPECIFICATIONS



## OPERATING WEIGHT

Unit with coolant, hydraulic, full fuel tank, operator and ROPS cab  
 On front wheels .....4250 kg  
 On rear wheels .....10300 kg  
 Total.....14550 kg



## ENGINE TIER 2

Net flywheel power (SAE J1349)  
 Emissioned - Tier 2 .....127 kW/170 hp  
 Not emissioned .....116 kW/155 hp  
 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<sub>i</sub> of cylinders .....6  
 Bore x stroke .....114 x 135 mm  
 Rated engine speed .....(Tier 2 - emissioned) 2200 rpm  
 (Not emissioned) 2300 rpm

Maximum torque:  
 emissioned - 1400 rpm .....86 daNm  
 not emissioned - 1300 rpm .....61 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	3.6	3.6
2	5.1	7.2
3	7.2	14.3
4	10.0	28.5
5	14.3	-
6	20.0	-
7	28.5	-
8	43.0	-



## TANDEM DRIVE HOUSING

Welded box section, wall thickness .....19 mm  
 Chain pitch .....50.8 mm  
 Interchangeable axles and sprockets, mounted on ball bearings.  
 Tandem oscillation, each way .....20j



## AXLE FRONT

High clearance, high strength welded steel construction with 19j oscillation each way.  
 Wheel lean 18j 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.
- **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 .....84 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 .....360j  
 Wear surface, replaceable phenolic inserts.  
 Total wear plate area .....2845 cm<sup>2</sup>  
 Circle turn gears enclosed and running in oil.



# 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 .....	9380 mm

## REAR RIPPER

Type .....	parallelogram, rear mounted
Weight.....	625 kg

Width .....	2340 mm
Number of teeth .....	5
Width between teeth .....	530 mm
Lift above ground .....	520 mm
Penetration.....	440 mm
Machine length with ripper/scarifier .....	9700 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 .....	9475 mm

# STANDARD EQUIPMENT

- Adjustable operator's console
- Adjustable tilt steering wheel
- Air cleaner, automatic dust ejector
- Alternator - 70 Amp
- Antifreeze
- Back-up alarm
- Blade 3658 mm, 12 wide
- 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 3 points
- Tyres 14.00 x 24 (10PR)

# OPTIONAL EQUIPMENT

- Additional hydraulic functions
- Air conditioning
- Blade 3960 mm
- Blade 4267 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 5 points
- Slow moving emblem
- Spare tyre
- Tyre 13.00 x 24 (12 PR), 14.00 x 24 (12PR), 17.50 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.

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Published by NEW HOLLAND KOBELCO CONSTRUCTION MACHINERY S.p.A. - [www.newholland.com](http://www.newholland.com)  
 Printed in Italy - LEADER Firenze - Cod. 73301 262GB - Printed 11/06