



NET FLYWHEEL POWER 104 kW - 139 hp
OPERATING WEIGHT 13 535 kg



# SPECIFICATIONS



Unit with coolant, hydraulic, full fuel tank, o	perator and ROPS cab
On front wheels	3707 kg
On rear wheels	9828 kg
Total	13535 ka



### **ENGINE TIER 2**

Net flywheel power (DIN 6270)	130 hn/104 kW
,	'
Net flywheel power (SAE J1349)	139 hp/104 kW
Net flywheel power (ISO 9249)	104 kW
Net flywheel power (EEC 80/1289)	104 kW
Stated net flywheel power is delivered up to 250	00 m a.s.l.

Make and modelCummins 6 BTA 5.9 Tier	1
Cummins 6 BTAA 5.9 Tier	2
ypeDiesel, 4 stroke, direct injection turbocharge	d
otal displacement5,9	)
N° of cylinders	
Bore x stroke102 x 120 mr	η
Rated engine speed2200 rpr	η
Maximum torque :	
Tier 1 - 1500 rpm	η
Tier 2 - 1600 rpm62 daNr	η

### **ELECTRICAL SYSTEM**

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



### **TRANSMISSION**

Type: direct drive power-shift, modulated shift on-the-go with inching pedal. Eight speed forward and four reverse.

Control: electric, single lever "bump type"

, 0	1 21	
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 I	bearings.
Tandem oscillation, each way	20°



### **AXLE FRONT**

High clearance, high strength welded steel construction with 19° oscillation each way.



### **AXLE REAR**



### **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 trame
 Welded box
 .298 x 254 mm

 Frame section weight
 .153 kg/m

 - Rear frame
 Welded box
 .299 x 121 mm

 Frame section weight each side
 .79 kg/m



### **DRAWBAR**

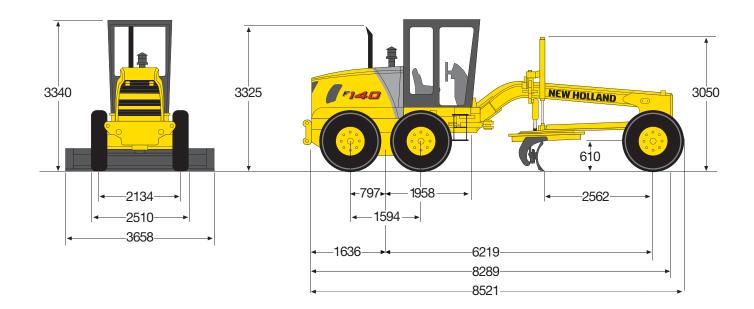
Type "A" frame welded construction with centre mounted circle turn motor

Connections: shim-adjustable ball and socket.



### CIRCLE

Outside diameter	1753 mm
Fabricated "T" section	177 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	l.





### **BLADE**

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

Hydraulic blade side shift

 $^*$  (with frame art. 25° + 684 mm L&R)

Hydraulic blade side shift and pitch.	
Available sizes	3658 x 622 x 22 mm
	3962 x 671 x 22 mm
	4267 x 671 x 22 mm
Lift above ground	444 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	
- right	1742 mm
Blade pitch range	
	forward 40°
Bank cutting angle (left and right)	90°
Blade pressure	
- with ROPS cab	6635 kg
- with ROPS cab, ripper and front blade	8636 kg



### **HYDRAULIC SYSTEM**

Full hydraulic "Load Sensing" system with variable flow gear pump and 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.

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- max flow del	ivery	192 l/min

	-		
<ul> <li>max working</li> </ul>	pressure.	 	 179 bar



### **STEERING**

- Front wheels

Type	.hydrostatic, orbitrol
Pump	gear type
Capacity at 2200 rpm	38 I/min
Cylinders	2
bore x stroke	63.2 x 266.7 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:

13.00 x 24 (12PR)

14.00 x 24 (10PR)

14.00 x 24 (12PR)

16.00 x 24 (12PR)

17.50 x 25 (12PR)



### CAPACITIES

Engine	
Fuel tank	340.0
Cooling system	40.0
Crankcase	14.2
Transmission	25.0
Tandem case each	30.0
Hydraulic tank	94.6
Rear axle	29.0
Circle turn housing	2.8

## ATTACHMENTS

parallelogram, front mounted
570 ka
570 kg 1168 mm
5 (std.) or 11 (opt.)
, , , , , ,
229 mm
114 mm
527 mm 318 mm
318 mm
9457 mm
parallelogram, rear mounted

Width	2340 mm
Number of teeth	5
Width between teeth	530 mm
Lift above ground	505 mm
Penetration	350 mm
Machine length with ripper/scarifier	9550 mm
DOZER BLADE	
Type	front mounted
Weigh	1165 kg
Dimensions	2762 x 953 mm
Lift above ground	622 mm
Penetration	
Machine length with dozer blade	9457 mm

- 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)

- 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 flotation 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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