• New Flip Up Hood for Easier Daily Maintenance
• Narrow Backhoe Boom Design for Optimal Visibility
• Outstanding Loader Bucket Breakout Forces

NEW HOLLAND
CONSTRUCTION
BUILT AROUND YOU
## U80C SPECIFICATIONS

### LOADER DIMENSIONS

| A. Height to: | Long Lip Bucket 19.5 L x 24 Tires | 4 IN 1st Bucket 17.5 L x 24 Tires | Height to top of canopy – Low profile ROPS, ft/in (m) | 8' 9" (2.65) | 8' 6" (2.59) | Top of cab, ft/in (m) | 8' 12" (2.47) | 8' 10" (2.48) | B. Bucket hinge pin fully raised, ft/in (m) | 11' 2" (3.41) | 11' 2" (3.41) | C. Bucket hinge pin @ SAE carry, ft/in (m) | 1' 1" (0.33) | 1' 3" (0.37) | D. Overall operating height – fully raised, ft/in (m) | 13' 8" (4.17) | 14' 3" (4.35) | E. Overall length w/ 3-point hitch, ft/in (m) | 16' 11" (5.15) | 16' 8" (5.09) | Width over tires: | 111 L x 16, ft/in (m) | 6' 8" (2.02) | 6' 8" (2.02) | 12 L x 16.5, ft/in (m) | 6' 10" (2.06) | 6' 10" (2.06) | 19.5 L x 24, ft/in (m) | 6' 10" (2.07) | 6' 10" (2.07) | 17.5 L x 24, ft/in (m) | 6' 10" (2.07) | 6' 10" (2.07) | F. Dump angle @ full height | 46° | 45° | G. Dump clearance @ full height, 45° dump: | Bucket, ft/in (m) | 9' 8" (2.93) | 8' 11" (2.71) | Clam open, ft/in (m) | 8' 8" (2.63) | | H. Dump reach @ full height, 45° dump: | Bucket, ft/in (m) | 2' 2" (0.66) | 2' 2" (0.66) | Bucket rollback: | @ Groundline | 40° | 40° | @ SAE carry | 45° | 45° | @ Full height | Adjustable | Adjustable | I. Digging depth below grade: | Bucket flat, in (m) | 7.8 (0.19) | 7.1 (0.18) | Clam open (dozing), in (m) | NA | 4.4 (0.11) | Ground clearance at front axle, in (m) | 10.9 (0.27) | 10.9 (0.27) | Wheelbase 4WD, ft/in (m) | 7' 1" (2.15) | 7' 1" (2.15) | Wheelbase 2WD, ft/in (m) | 7' 0" (2.14) | 7' 0" (2.14) | J. Reach from front axle centerline – bucket on ground, ft/in (m) | 6' 3" (1.89) | 5' 12" (1.83) | K. Maximum clam opening, ft/in (m) | NA | 3' 3" (0.97) | L. Moldboard height, ft/in (m) | NA | 3' 1" (0.93) | M. Lift capacity to full height, lb (kg) | 6,503 (2,950) | 6,537 (2,965) | Breakout force: | Lift cylinders, lb (N) | 9,721 (41,239) | 8,766 (38,993) | Lift cylinders, lb (N) | 9,607 (42,734) | 10,325 (45,928) | NOTE: Loader dimensions taken with 4WD, 19.5 L x 24 rear tires and 82 in (2.08 m) general purpose bucket except as noted.
**U80C SPECIFICATIONS**

### LOADER
- Single-lever 5 function control w/ self-leveling and Return-to-Dig
- Positive hold float
- Return-to-dig
- Automatic self-leveling
- Bucket position indicator

<table>
<thead>
<tr>
<th>Loader Bucket Sizes</th>
<th>Width, in (m)</th>
<th>Weight, lbs (kg)</th>
<th>Struct. Struck, yd³ (m³)</th>
<th>Heaped, yd³ (m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Life Bucket</td>
<td>82 (2.08)</td>
<td>686 (311)</td>
<td>.87 (.67)</td>
<td>1.03 (0.79)</td>
</tr>
<tr>
<td>4-in-1 Bucket</td>
<td>82 (2.08)</td>
<td>1,451 (658)</td>
<td>.85 (.65)</td>
<td>1.04 (0.80)</td>
</tr>
</tbody>
</table>

### ENGINE
- Turbo
  - Model: FSHFL463DF005
  - Type: 4-stroke, turbocharged
- Cylinders: 4
- Bore x stroke, in (mm): 3.9 x 4.33 (99 x 110)
- Displacement, in³ (L): 207 (3.4)
- Fuel injection: Direct HPCR (High Pressure Common Rail)
- Engine speeds, (rpm)
  - Rated speed, full load: 2,200
  - Low idle: 900 - 1,000
  - High idle, no load: 2,330 - 2,430
- Horsepower (SAE J1349)
  - Gross @ 2,200 rpm, (kW): 74 (55)
  - Net @ 2,200 rpm, (kW): 68.4 (51)
- Maximum torque @ RPM
  - Gross, lb-ft (Nm): 233 (316)
  - Net, lb-ft (Nm): 219 (298)
- Torque rise at rated speed: 35%

### HYDRAULICS
- Gear-type, transmission mounted, direct drive to engine crankshaft
- Loader flow @ rated engine rpm, gpm @ psi (L/min @ bar)
- 2 or 3-spool with single lever control for lift, dump and tilt and auxiliary hydraulics, positive hold float and return-to-dig
- 3-pt hitch flow @ rated engine rpm, gpm @ psi (L/min @ bar)
- Sectional 4-spool, open-center parallel circuits with variable control for lift, pitch, tilt, and 2 auxiliary remotes
- Load control valve
- 3-pt hitch control valve
- Loader auxiliary hydraulics, gpm (L/min)
- Main relief pressure, psi @ gpm (bar @ L/min)
- Oil cooler: Heavy-duty
- Filtration: 7 micron full flow replaceable cartridge on return line, condition indicator light for filter

### POWERTRAIN
- 4 speed synchromesh with hydraulically actuated clutches and electric F/R shuttle control, clutch disconnect buttons on the transmission shifter and loader control lever
- Torque converter ratio (standard): 3:1
- Torque converter (PTO ready): 3.2:1
- Differential-lock: On the go push-button activation
- Service brakes: Individually applied hydraulically actuated, maintenance-free, self adjusting outboard mounted wet disc
- Parking brakes: Trans Mounted SAHR (Spring Applied Hydraulic Release)
- Travel speeds, mph (km/h): 1st 2nd 3rd 4th
  - Forward/Reverse (standard): 3.8 (6.1) 6.1 (9.8) 12.8 (20.6) 24.0 (38.6)
  - Forward/Reverse (PTO Ready): 3.5 (5.6) 5.5 (8.9) 11.8 (19) 21.3 (34.3)

### ELECTRICAL
- Voltage: 12 Volts, negative ground
- Alternator, amps: 120
- Battery: 850 CCA
- Optional batteries: 850 CCA
- Power plugs, amps: 30 total

### TURNING DIAMETER
- 2WD, ft/in (m)
  - Brakes on: 12' 2" (3.70)
  - Brakes off: 12' 10" (3.91)
- 4WD-engaged, ft/in (m)
  - Brakes on: 11' 7" (3.52)
  - Brakes off: 13' 9" (4.18)
- 4WD-disengaged, ft/in (m)
  - Brakes on: 12' 3" (3.72)
  - Brakes off: 12' 11" (3.92)

Note: Turning diameter dimensions are curb to curb w/82" (2.08 m) general purpose bucket.

### TIRES
- Front
  - 2WD-11 L x 16.1, 10-ply rating
  - 4WD-12 L x 16.5, 8-ply rating
- Rear
  - 2/4 WD-17.5 L x 24, 10-ply rating STD
  - 2/4 WD-19.5 L x 24, 10-ply rating OPT

Note: Travel speeds at 2,293 engine rpm with 19.5 L x 24 rear tires.
**U80C SPECIFICATIONS**

### BASE & OPTIONAL EQUIPMENT

#### ENGINE
- F5HFL463D°F005
- Turbocharged
- Automatic fan belt tensioner
- Integral engine oil cooling
- Fuel filter with water trap
- Dual element air cleaner
- 120 amp alternator
- 850 CCA 12-volt battery
- Heavy duty radiator
- Particulate Matter Catalyst - Spark arresting

#### POWERTRAIN
- 4WD – 2WD
- 4F/4R Power shuttle synchronesh transmission
- Torque converter
- Transmission de-clutch
- Electro-hydraulic differential lock
- Hydrostatic steering
- Outboard wet disc brakes

#### HYDRAULICS
- 2 spool loader control valve
- 4 spool 3-point hitch control valve
- Heavy-duty oil cooler
- Flip forward hood
- Lights:
  - 2 halogen headlights
  - 2 rear flood
  - 2 rear tail and stop
  - 2 front flashers/turn
  - 2 rear flashers/turn
- Electro-hydraulic differential lock
- Hydrostatic steering
- Outboard wet disc brakes
- Warning lights
- Air cleaner restriction
- Alternator
- Engine oil pressure
- Hydraulic oil filter bypass
- Parking brake engagement
- Rear axle fluid temperature
- Sensing system
- Low fuel
- A/C high pressure
- Cold start
- Water in fuel
- Master warning
- Master stop
- Audible alarms
- Coolant temperature
- Engine oil pressure
- Parking brake engagement
- Shuttle engagement
- Backup alarm
- Regeneration
- Converter oil temp
- Turn signal indicators
- Horn

#### INSTRUMENTS
- Gauges — back lit
  - Engine water temperature
  - Converter oil temperature
  - Fuel
  - Tachometer/hourmeter
  - Voltmeter
  - Warning lights
  - Air cleaner restriction
  - Alternator
  - Engine oil pressure
  - Hydraulic oil filter bypass
  - Parking brake engagement
  - Rear axle fluid temperature
  - Sensing system

#### OPERATOR STATION
- Cab w/ Heat
- Cab w/ Heat and Air Conditioning
- Vinyl Suspension Seat w/ Armrest (Std. on 4 wheel drive)
- Hand Throttle
- Load Throttle

#### OPERATOR ENVIRONMENT
- Key start
- Hydrostatic steering
- Standard seat w/15° right, 30° right
- Foot throttles
- Loader control lever w/push button
- Activation of differential lock and transmission de-clutch

#### LOADERS
- Auxiliary Hydraulics and Controls (3 spool loader valve)
- Pin-On Multipurpose (4X1)
- 82” Loader Bucket w/ Cutting Edge (includes auxiliary hydraulics)
- Hydraulic Quick Coupler (From FFC, includes auxiliary hydraulics, 3 spool valve)

### OPTIONAL EQUIPMENT

#### CAB & ACCESSORIES
- Two Accessory power plugs (30 amp)
- Anti-vandalism covers
- Beverage holder
- Coat hook w/ tether strap
- Interior rear-view mirror
- 2” (51 mm) retractable seat belt
- Storage box

#### HYDRAULICS
- Laser-Ready Valve Kit (includes valve, plumbing, and electrical harness)
- 5 Spool, Dual Tilt Cylinders w/ Return to Position, Load Holding Valve, and 3 Point Hitch Control
- 3 Point Hitch w/ PTO Hydraulic Pump (required when installing or using an hydraulic PTO)
- Glide Ride

#### OTHER
- Drawbar
- Tool Box
- 84” Box Scraper
- Rear Counterweight (3,000 lbs)
- Additional Stackable Rear Counterweights (475 lbs)
- Wheel weights - good
- Wide Seat Belt, 3” (75 mm)
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