



# NEW HOLLAND

## COMPACT EXCAVATORS



E15 E27 E30 E35 E50

 **NEW HOLLAND**

[www.newhollandconstruction.com](http://www.newhollandconstruction.com)

# BIG DIGGING POWER WITH VIRTUALLY UNRESTRICTED MANEUVERABILITY

New Holland zero tail swing compact excavators are so easy to use in tight spaces and around obstacles, they handle jobs other machines can't. But these compact excavators aren't just for the small jobs. They're so versatile, powerful, and maneuverable that they also earn their keep on any job site—large or small.

## “No worries” with zero tail swing

- Counterweight never extends beyond tracks
- Operators are able to fully concentrate on the task at hand
- Less chance of causing damage to machine or job site
- Helps ensure on-site safety and peace of mind
- Works where other machines can't

## Compact dimensions and liberal boom swing

- Works in tight areas or beside walls and fences
- Equally productive on large and small sites

## Increased power

- More horsepower
- Increased breakout force
- Faster cycle times

## Multiple uses

- Standard dozer blade
- Standard auxiliary hydraulics
- A variety of attachments available

## Roomy operation, easy control

- Wider access for easy entry and exit
- Larger platform for more comfort
- Adjustable seat for increased comfort

	Net Horsepower	Weight
<b>E15</b>	11.9 hp (9 kW)	3,240 lbs (1470 kg)
<b>E27</b>	21.3 hp (15.9 kW)	5,557 lbs (2521 kg)
<b>E30</b>	28.4 hp (21.2 kW)	6,680 lbs (3030 kg)
<b>E35</b>	28.4 hp (21.2 kW)	7,960 lbs (3610 kg)
<b>E50</b>	40.8 hp (30.4 kW)	10,275 lbs (4660 kg)



## Maintenance made easy

New Holland compact excavators are built with easy maintenance in mind. Swing-open service doors and hinged access covers provide fast, easy access to maintenance points. Additionally, there's no need to tilt or remove the canopy or cab to get to the swing motor, boom swing cylinder, and control valve.





With zero tail swing the counterweight will never extend beyond the tracks.

Swing the boom wide to the right or left for digging in difficult-to-reach spots, against walls, or into corners that would otherwise require hand tools.

The new E15 track hydraulically extends and retracts from 47 to 35 inches for easy transport and access to narrow spaces.



Backfill and grade more efficiently thanks to the new dozer blade design that rolls material in front of the blade.



Standard rubber tracks reduce work-site noise and minimize damage to asphalt, concrete, or turf. Optional steel tracks available.



Choose high or low travel speeds with the push of a button on the travel lever. When traveling in high speed, the system automatically downshifts on turns.



### Benefits of a twoposition bucket

What's more important for the job you're doing today—breakout force or working range? The two-pin position bucket lets you select what's best for the job at hand. One position delivers high breakout force, while the other allows maximum working range.



# MOVE MORE DIRT PER HOUR

New Holland compact excavators help you make the most of every minute on the job. Their increased horsepower, breakout force, and faster cycle times let you dig, push, and move more material per hour.

### Powerful, reliable Yanmar engines

- Increased horsepower
- Water-cooled
- Fuel-efficient and quiet

### Highperformance hydraulics

- More flow and pressure
- Increased breakout force
- Two main variable-displacement piston pumps
- Independent flow to dozer blade lets you adjust the blade while pushing—without loss of speed or power

### Two travel speeds

- Straight propel system keeps machine on course
- Push-button operation to switch between low and high travel speeds
- Automatic downshift in high speed when turning
- One-touch engine deceleration

### Boom swing

- Precise swing stops with upper swing shockless valve
- Independent boom swing pump allows simultaneous operation of boom, arm, bucket, and swing

### Maximum traction with rubber or steel track

- Standard rubber tracks for low noise and less surface damage
- Optional steel tracks provide extended track life

### Improved dozer blade performance

- Durable construction
- Advanced design for improved efficiency and productivity
- Equal blade and undercarriage width prevents traveling over windrows
- Handy for backfilling, grading, light finish work, and site cleanup

	Bucket Breakout Force lbf (kN)	Arm Breakout Force lbf (kN)	Total hydraulic flow, main pumps gpm (lpm)
<b>E15</b>	2,593 (11.5)	1,933 (8.6)	7.8 (30)
<b>E27</b>	6,341 (28.1)*	3,318 (14.8)	17.7 (67.1)
<b>E30</b>	8,430 (37.5)*	3,829 (17.0)	25.7 (97.4)
<b>E35</b>	8,430 (37.5)*	4,176 (18.6)	25.7 (97.4)
<b>E50</b>	11,128 (49.5)*	5,818 (25.9)	39.1 (148)

\*2-pin bucket

The wider cab and windshield provide an excellent view to the trench and surrounding work area. Heater is standard. Air conditioning is optional.

A larger platform and wider threshold make it easy to step on and off. The three-post design meets ROPS/FOPS level II standards.

Boom center-swing and auxiliary hydraulics are controlled with joystick-mounted buttons rather than foot pedals. It's efficient, operator-friendly, and provides additional floor space.





#### **More seat adjustment**

Long legs or short, you'll find a seating position that suits you perfectly. These compact excavators offer the longest seat track on the market to make you more comfortable and productive.

## **OPERATOR COMFORT IS NOT AN OPTION—ITS STANDARD.**

With outstanding visibility and controls that are smooth and easy to operate, operators remain comfortable and stay productive.

#### **More spacious and comfortable**

- 20% larger operator platform provides more legroom
- Three-post design provides 40% wider access to platform for easy entrance and exit

#### **Comfortable seating**

- Cushioned seat adjusts to suit each operator
- Standard armrests
- Extended seat-slide adjustment

#### **Optional cab with heater**

- Wider front glass for increased visibility
- Increased door width
- Optional air conditioning

#### **Lighttouch, loweffort controls**

- Control pattern selector—SAE or ISO
- Responsive for delicate work and less fatigue
- Exclusive boom center-swing hand control
- Auxiliary hydraulic hand controls
- Easy-reach dozer blade control handle

#### **Information on Display Indicators**

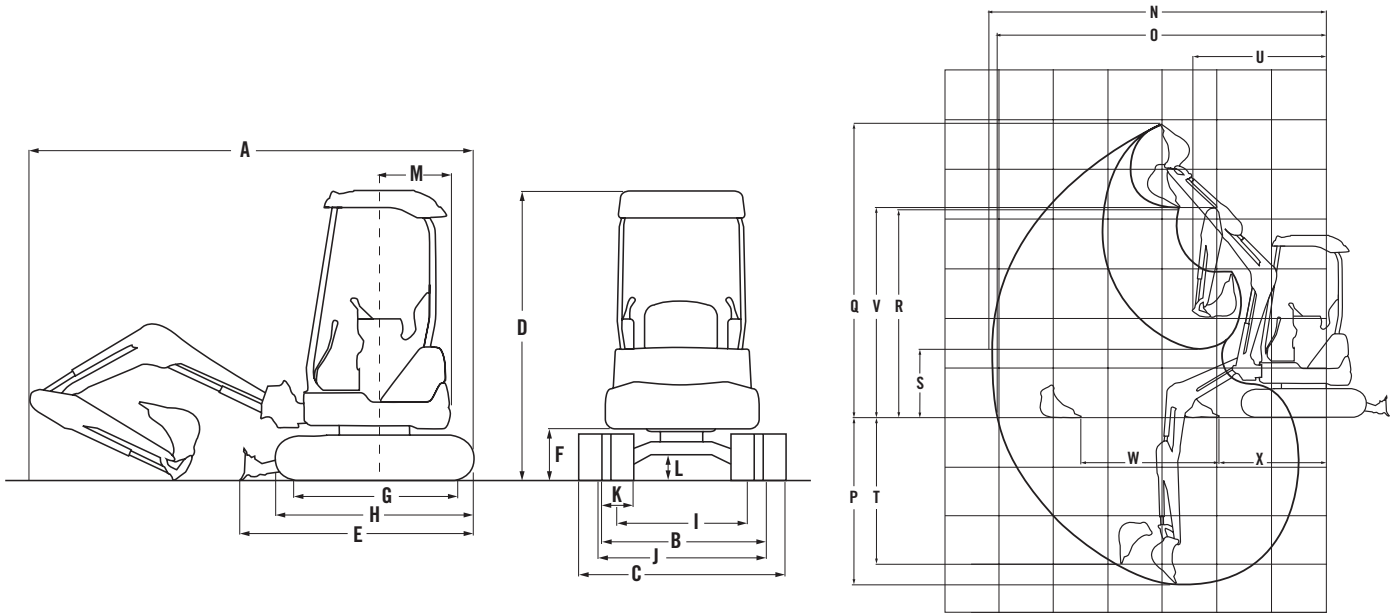
- Engine oil pressure
- Fuel level gauge
- Hourmeter – visible from ground level
- Water temperature gauge

#### **Warning lights**

- Water temperature
- Air filter
- Water separator detection
- Low fuel
- Glow plug indicator
- Battery charge

# Specifications

## DIMENSIONS AND WORKING RANGES



DIMENSIONS	E15	E27	E30	E35	E50
<b>ARM LENGTH</b>	<b>3'4" (1.02 m)</b>	<b>3'8" (1.12 m)</b>	<b>3'10" (1.18 m)</b>	<b>4'4" (1.32 m)</b>	<b>5'1" (1.56 m)</b>
A. Overall length	10'11" (3.34 m)	13'7" (4.13 m)	14'5" (4.39 m)	15'5" (4.71 m)	17'2" (5.23 m)
B. Overall width (collapsed)	2'11" (0.89 m)	4'11" (1.5 m)	5'1" (1.55 m)	5'7" (1.70 m)	6'5" (1.96 m)
C. Overall width (expanded)	3'11" (1.2 m)				
D. Overall height (canopy)*	7'3" (2.5 m)	8'2" (2.5 m)	8'5" (2.57 m)	8'5" (2.57 m)	8'6" (2.60 m)
E. Base machine length	6'0" (1.82 m)	7'11" (2.41 m)	8'4" (2.55 m)	8'10" (2.68 m)	9'7" (2.91 m)
F. Ground clearance of rear end*	1'5" (0.43 m)	1'8" (0.52 m)	1'10" (0.57 m)	1'10" (0.57 m)	2'1" (0.635 m)
G. Center distance of tumblers	4'0" (1.21 m)	5'3" (1.59 m)	5'1" (1.54 m)	5'7" (1.70 m)	6'6" (1.97 m)
H. Overall length of crawler	5'1" (1.56 m)	6'6" (1.98 m)	6'7" (2.00 m)	7'1" (2.15 m)	8'2" (2.48 m)
I. Track gauge (collapsed)	2'2" (0.66 m)	4'1" (1.25 m)	4'1" (1.25 m)	4'7" (1.40 m)	5'1" (1.56 m)
J. Track gauge (expanded)	3'2" (0.97 m)				
K. Width of crawler shoe (rubber)	0'9" (0.23 m)	0'10" (0.25 m)	1'0" (0.30 m)	1'0" (0.30 m)	1'4" (0.40 m)
L. Ground clearance of undercarriage*	0'7" (0.18 m)	0'10" (0.25 m)	1'1" (0.33 m)	1'1" (0.33 m)	1'2" (0.345 m)
M. Tail Swing radius	1'11" (0.58 m)	2'6" (0.75 m)	2'7" (0.775 m)	2'9" (0.85 m)	3'3" (0.98 m)
Tail Swing overhang (not shown)	0'0" (0 m)	0'0" (0 m)	0'0" (0 m)	0'0" (0 m)	0'0" (0 m)
*Excludes height of grouser bar					
WORKING RANGES	E15	E27	E30	E35	E50
<b>ARM LENGTH</b>	<b>3'4" (1.02 m)</b>	<b>3'8" (1.12 m)</b>	<b>3'10" (1.18 m)</b>	<b>4'4" (1.32 m)</b>	<b>5'1" (1.56 m)</b>
N. Maximum digging reach	12'4" (3.77 m)	15'3" (4.64 m)	16'2" (4.93 m)	17'2" (5.24 m)	19'4" (5.89 m)
O. Maximum digging reach at ground level	12'1" (3.68 m)	14'10" (4.51 m)	15'8" (4.78 m)	16'9" (5.11 m)	18'10" (5.75 m)
P. Maximum digging depth*	6'11" (2.11 m)	8'4" (2.54 m)	9'3" (2.81 m)	10'1" (3.08 m)	11'9" (3.59 m)
Q. Maximum digging height*	11'11" (3.63 m)	14'8" (4.47 m)	15'8" (4.77 m)	16'4" (4.98 m)	18'7" (5.67 m)
R. Maximum dumping clearance*	8'5" (2.56 m)	10'5" (3.17 m)	11'0" (3.36 m)	11'9" (3.58 m)	13'5" (4.09 m)
S. Minimum dumping clearance*	2'8" (0.82 m)	4'1" (1.25 m)	4'6" (1.38 m)	4'8" (1.41 m)	4'11" (1.51 m)
T. Maximum vertical wall digging depth*	5'9" (1.75 m)	7'7" (2.32 m)	7'1" (2.16 m)	7'10" (2.39 m)	9'3" (2.81 m)
U. Minimum front swing radius	4'11" (1.49 m)	6'0" (1.83 m)	6'4" (1.92 m)	6'8" (2.04 m)	7'1" (2.15 m)
V. Height at minimum front swing radius	8'6" (2.59 m)	10'10" (3.31 m)	11'9" (3.58 m)	12'5" (3.78 m)	14'1" (4.29 m)
W. Horizontal digging stroke at ground level	5'7" (1.71 m)	6'6" (1.99 m)	6'11" (2.11 m)	7'9" (2.37 m)	9'1" (2.76 m)
X. Horizontal digging minimum at ground level	3'9" (1.14 m)	4'11" (1.51 m)	5'4" (1.62 m)	5'6" (1.67 m)	5'10" (1.78 m)
*Excludes height of grouser bar					

# E15 Specifications

## GENERAL

Operating weight	
Cab - lbs (kg)	Not Available as Option
Canopy - lbs (kg)	3,240 (1470)
Bucket capacity range - cu. ft. (m <sup>3</sup> )	0.78 - 1.30 (.02 - .036)
Arm length - ft. in. (m)	3'4" (1.02)

## ENGINE

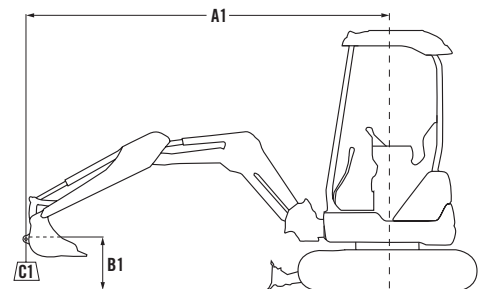
Manufacturer & model	YANMAR, 3TNE68-YB
Type	Water cooled, 4 cycle, 3 cylinder swirl chamber diesel engine w/overhead valves
Power output @ rpm - SAE Net hp (kW)	11.9 (8.874) @ 2,000
Displacement - in <sup>3</sup> (l)	47.84 (.784)
Fuel tank capacity - gal (l)	4.0 (15)
Electrical system - volts	12V

## HYDRAULIC SYSTEM

Pumps - Number & type	3 fixed displacement gear-type pumps
Maximum pump output - gpm (lpm)	2 x 3.9 (14.8) + 1.6 (6)
Auxiliary hydraulics output - gpm (lpm)	3.9 (14.8)
Main relief pressure - psi (MPa)	2,988 (20.6)
Capacity of hydraulic system - gal. (l)	4.5 (17)
Capacity of hydraulic reservoir - gal. (l)	2.99 (11.3)

## BREAKOUT FORCES

Arm breakout force SAE - lbf (kN)	1,933 (8.6)
Arm breakout force ISO - lbf (kN)	1,972 (8.8)
Bucket breakout force SAE - lbf (kN)	2,593 (11.5)
Bucket breakout force ISO - lbf (kN)	2,881 (12.8)



## UNDERCARRIAGE

Travel speed, fwd. - mph (km/h)	2.3/1.2 (3.7/2.0)
Drawbar pull - lbs (kN)	4,160 (18.5)
Crawler shoe width - in. (mm)	0.9 (.23)
Ground pressure - psi (kPa)	3.21 (22.1)
Gradeability - degrees (%)	30 (58)

## DOZER BLADE

Width x height - in. (mm)	35 (889) - 47 (114) x 9.1 (230)
Blade movement up/down - in. (mm)	16.9 (430) / 11 (280)

## SWING

Swing speed - rpm	10.7
Swing torque - ft-lb (kNm)	281 (.381)

## BASE AND OPTIONAL EQUIPMENT

### BASE EQUIPMENT

Yanmar, 3TNE68-YB, 4 cycle, 3 cylinder, water cooled, swirl chamber diesel engine with overhead valves (11.9 SAE NET HP @ 2,000 RMP)

Glow plugs

Two main hydraulic pumps: Fixed gear, 3.9 GPM

Pilot pump: Fixed gear, 1.6 GPM

Two-speed travel 1.2 / 2.3 MPH

Undercarriage width - 35" retracted; 47" expanded

Full hydrostatic drive system (2 axial piston motors)

Track tension adjustment (grease type)

12V electrical starting system includes: Heavy-duty battery and starting motor (12V - 20 AMP)

Air cleaner (dry type), hydraulic oil filter.

Two lever control for boom, arm, bucket and swing; pilot operated wrist controls and foot pedals

Fuel tank: 4.0 gallons

Hydraulic dozer blade

ROPS/FOPS: four post canopy design with seat belt

Swing lock

Display includes: engine oil pressure, water temperature lamp, air filter lamp, water separator detection lamp, low fuel warning lamp, battery charge lamp, glow plug indicator lamp, water temperature gauge, fuel gauge, hour meter

Hinged engine cover

Sealed and lubricated track rollers

Horn

Hand control pattern changer - ISO - BHL

Nibbler and breaker auxiliary valve and piping

Wrist rests

### OPTIONAL EQUIPMENT

11.8" steel tracks

Travel alarm

0.78 - 1.3 cu ft buckets

Additional attachments available

## LIFTING CAPACITY

B1	A1 C1	2.5'	(0.8 m)	5'	(1.5 m)	7.5'	(2.3 m)	10'	(3.0 m)	12.5'	(3.8 m)
10' (3.0 m)	lb kg										
7.5' (2.3 m)	lb kg					*500 *220	*500 *220				
5' (1.5 m)	lb kg					*610 *270	600 270	*570 *260	360 160		
2.5' (0.8 m)	lb kg			*1,740 *790	1,070 480	*870 *390	560 250	*640 *290	340 150		
Ground level	lb kg	*1,130 *510	*1,130 *510	*2,150 *970	990 450	*1,050 *470	520 230	*680 *310	330 150		
-2.5' (-0.8 m)	lb kg	*1,860 *840	*1,860 *840	*1,870 *850	1,000 450	*1,000 *450	510 230				
-5' (-1.5 m)	lb kg			*1,040 *470	1,030 470						

Equipped with: standard monoboomb, 3'4" (1.02 m) arm, 1.41 cu. ft. (.04 m<sup>3</sup>) bucket weighing 73 lb (33 kg) rubber tracks, dozer blade down

- Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
- Lifting capacities are based on machine standing on level, firm, and uniform ground.
- User must make allowance for job conditions such as soft or uneven ground, out of level conditions, experience of personnel, etc.
- Ratings at bucket lift hook.
- The above rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Rating Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
- Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine, and rules for safe operation of equipment should be adhered to at all times.
- Capacities apply only to machines as originally manufactured and normally equipped by New Holland.

# E27 Specifications

## GENERAL

Operating weight	
Cab - lbs (kg)	5,976 (2710)
Canopy - lbs (kg)	5,557 (2521)
Bucket capacity - cu. ft. (m <sup>3</sup> )	2.8 (.08)
Bucket width with side cutters - in. (mm)	20 (500)
Arm length - ft. in. (m)	3'8" (1.12)

## ENGINE

Manufacturer & model	YANMAR, 3TNV82A-SYB
Type	Water-cooled, 4 cycle, 3 cylinder, direct-injection, diesel
Power output @ rpm - SAE Net hp (kW)	21.3 (15.9) @ 2,200
Displacement - in <sup>3</sup> (l)	81.2 (1.330)
Fuel tank capacity - gal (l)	7.4 (28)
Electrical system - volts	D.C. 12V

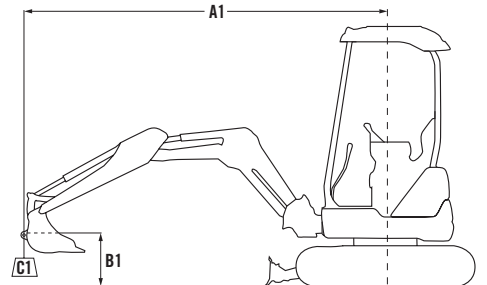
## HYDRAULIC SYSTEM

Pumps - Number & type	Two variable displacement piston pumps and two fixed displacement gear pumps
Maximum pump output - gpm (lpm)	2 x 7.0 (26.4) + 3.8 (14.3) + 3.0 (11.2)
Auxiliary hydraulics output - gpm (lpm)	10.8 (40.9)
Main relief pressure - psi (MPa)	3,336 (23.0)
Capacity of hydraulic system - gal. (l)	6.6 (25)
Capacity of hydraulic reservoir - gal. (l)	5.3 (20)

## BREAKOUT FORCES

Arm breakout force SAE - lbf (kN)	3,321 (14.760)
Arm breakout force ISO - lbf (kN)	3,422 (15.208)
Bucket breakout force SAE - lbf (kN)	6,341 (28.1)*
Bucket breakout force ISO - lbf (kN)	6,510 (29)

\*2-pin bucket



## UNDERCARRIAGE

Travel speed, fwd. - mph (km/h)	2.5/1.43 (4.1/2.3)
Drawbar pull - lbs (kN)	6,368 (28.3)
Crawler shoe width - in. (mm)	9.8 (250)
Ground pressure - psi (kPa)	4.06 (28)
Gradeability - degrees (%)	30 (58)

## DOZER BLADE

Width x height - in. (mm)	59 (1500) x 11.8 (300)
Blade movement up & down - in. (mm)	17.5 (445) height x 13.2 (335) depth

## SWING

Swing speed - rpm	8.7
Swing torque - ft-lb (kNm)	442.5 (0.6)

## BASE AND OPTIONAL EQUIPMENT

### BASE EQUIPMENT

Yanmar, 3TNV82A-SYB, 4 cycle, 3 cylinder, water cooled, direct injection diesel engine (21.3 SAE HP @ 2,200 RPM)  
 Glow plugs  
 Two main hydraulic pumps: Variable displacement piston pump, 7 GPM  
 One dozer/slew pump: Fixed gear, 3.7 GPM  
 Pilot pump: Fixed gear  
 Two-speed travel 1.4 / 2.5 MPH  
 One touch decel  
 Full hydrostatic drive system (2 axial piston motors)  
 Track tension adjustment (grease type)  
 12V electrical starting system includes: Heavy-duty battery and starting motor (12V - 40 AMP)  
 Air cleaner (dry type), hydraulic oil filter  
 Swing brake: disc type, spring applied and hydraulically released  
 Tilt up control panel with two lever control for boom, arm, bucket, and swing; pilot operated wrist controls and foot pedals  
 Fuel tank: 7.4 gallons  
 ROPS/FOPS: canopy design with seat belt

Display includes: engine oil pressure, water temperature lamp, air filter lamp, water separator detection lamp, low fuel warning lamp, battery charge lamp, glow plug indicator lamp, water temperature gauge, fuel gauge, hour meter  
 Hydraulic dozer blade  
 Hinged engine cover  
 Swing out side panel for easy maintenance access  
 Swing shockless valve  
 Sealed and lubricated track rollers  
 Large capacity hydraulic oil cooler  
 Horn  
 Hand control pattern changer - ISO - BHL  
 1 or 2 way auxiliary valve, controls and piping

### OPTIONAL EQUIPMENT

Cab with heat  
 11.8" steel tracks  
 1.40 - 3.00 cu ft buckets  
 Travel alarm  
 Additional attachments available

## LIFTING CAPACITY

B1	A1	C1	2.5'	5'	7.5'	10'	12.5'				
			(0.8 m)	(1.5 m)	(2.3 m)	(3.0 m)	(3.8 m)				
10'	10'	lb					*920	*920			
(3.0 m)		kg					*410	*410			
7.5'	7.5'	lb					*970	*970			
(2.3 m)		kg					*440	*440			
5'	5'	lb			*1,600	*1,600	*1,180	1,030	*1,020	720	
(1.5 m)		kg			*720	*720	*530	460	*460	320	
2.5'	2.5'	lb			*2,230	1,500	*1,420	980	*1,100	690	
(0.8 m)		kg			*1,010	680	*640	440	*500	310	
Ground level	Ground level	lb		*2,250	*2,250	*2,450	1,440	*1,560	940	*1,130	680
		kg		*1,020	*1,020	*1,110	650	*710	420	*510	310
-2.5'	-2.5'	lb		*3,860	2,890	*2,300	1,440	*1,500	940		
(-0.8 m)		kg		*1,750	1,310	*1,040	650	*680	420		
-5'	-5'	lb		*2,980	2,960	*1,760	1,480				
(-1.5 m)		kg		*1,350	1,340	*800	670				

Equipped with: standard monoboom, 3'8" (1.12 m) arm, 2.8 cu. ft. (.08 m<sup>3</sup>) bucket weighing 101 lb (46 kg) rubber tracks, dozer blade down, and optional counterweight.

- Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
- Lifting capacities are based on machine standing on level, firm, and uniform ground.
- User must make allowance for job conditions such as soft or uneven ground, out of level conditions, experience of personnel, etc.
- Ratings at bucket lift hook.
- The above rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Rating Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
- Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for safe operation of equipment should be adhered to at all times.
- Capacities apply only to machines as originally manufactured and normally equipped by New Holland.

# E30 Specifications

## GENERAL

Operating weight	
Cab - lbs (kg)	7,100 (3220)
Canopy - lbs (kg)	6,680 (3030)
Bucket capacity - cu. ft. (m <sup>3</sup> )	3.2 (.09)
Bucket width with side cutters - in. (mm)	20 (500)
Arm length - ft. in. (m)	3'10" (1.18)

## ENGINE

Manufacturer & model	YANMAR - 3TNV88-PYB
Type	Water-cooled, 4 cycle, 3 cylinder, direct-injection, diesel
Power output @ rpm - SAE Net hp (kW)	28.4 (21.2) @ 2,400
Displacement - in <sup>3</sup> (l)	100.2 (1.642)
Fuel tank capacity - gal (l)	10 (38)
Electrical system - volts	D.C. 12V

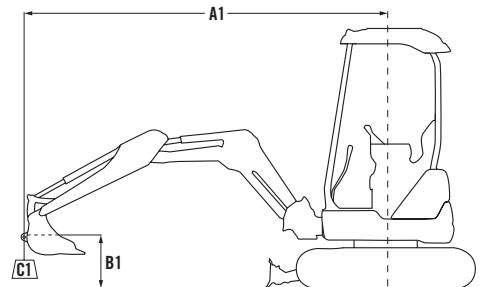
## HYDRAULIC SYSTEM

Pumps - Number & type	Two variable displacement piston pumps and two fixed displacement gear pumps
Maximum pump output - gpm (lpm)	2 x 7 (26.4) + 5.4 (20.6) + 3.2 (12.2)
Auxiliary hydraulics output - gpm (lpm)	15.5 (58.7)
Main relief pressure - psi (MPa)	3,336 (23.0)
Capacity of hydraulic system - gal. (l)	12.7 (48)
Capacity of hydraulic reservoir - gal. (l)	10 (38)

## BREAKOUT FORCES

Arm breakout force SAE - lbf (kN)	3,832 (17.032)
Arm breakout force ISO - lbf (kN)	3,949 (17.550)
Bucket breakout force SAE - lbf (kN)	8,430 (37.5)*
Bucket breakout force ISO - lbf (kN)	8,654 (38.5)

\*2-pin bucket



## UNDERCARRIAGE

Travel speed, fwd. - mph (km/h)	2.8/1.6 (4.5/2.5)
Drawbar pull - lbs (kN)	8,663 (38.5)
Crawler shoe width - in. (mm)	11.8 (300)
Ground pressure - psi (kPa)	4.2 (29)
Gradeability - degrees (%)	30 (58)

## DOZER BLADE

Width x height - in. (mm)	.61 (1550) x 13.6 (345)
Blade movement up & down - in. (mm)	22 (560) height x 16 (410) depth

## SWING

Swing speed - rpm	8.9
Swing torque - ft-lb (kNm)	752 (1.02)

## BASE AND OPTIONAL EQUIPMENT

### BASE EQUIPMENT

Yanmar, 3TNE788-PYB, 4 cycle, 3 cylinder, water cooled, direct injection diesel engine with overhead valves (22.7 SAE HP @ 2,300 RPM)

Glow plugs

Two main hydraulic pumps: Variable displacement piston pump, 10.1 GPM

One dozer/slew pump: Fixed gear, 5.4 GPM

Pilot pump: Fixed gear

Two speed travel (1.6/2.8 MPH)

One touch decel

Fully hydrostatic drive system (2 axial piston motors)

Track tension adjustment (grease type)

12V electrical starting system includes: Heavy-duty battery and starting motor (12V - 40 AMP)

Air cleaner (dry type), hydraulic oil filter

Swing brake: disc type, spring applied and hydraulically released

Tilt up control panel with two lever control for boom, arm, bucket, and swing; pilot operated wrist controls and foot pedals

Fuel tank: 10 gallons

ROPS/FOPS: canopy design with seat belt

Display includes: engine oil pressure, water temperature lamp, air filter lamp, water separator detection lamp, low fuel warning lamp, battery charge lamp, glow plug indicator lamp, water temperature gauge, fuel gauge, hour meter

Hydraulic dozer blade

Hinged engine cover

Swing shockless valve

Sealed and lubricated track rollers

Large capacity hydraulic oil cooler

Horn

Hand control pattern changer - ISO - BHL

1 or 2 way auxiliary valve, controls and piping

### OPTIONAL EQUIPMENT

Cab with heat and/or AC

11.8 steel tracks

2.13 - 4.25 cu ft buckets

Travel alarm

Additional attachments available

## LIFTING CAPACITY

B1	A1	C1	2.5' (0.8 m)	5' (1.5 m)	7.5' (2.3 m)	10' (3.0 m)	12.5' (3.8 m)		
10' (3.0 m)	lb					*1,210	*1,210		
	kg					*550	*550		
7.5' (2.3 m)	lb					*1,440	1,330	*1,410	900
	kg					*650	600	*640	410
5' (1.5 m)	lb				*2,720	1,970	*1,880	1,260	*1,580
	kg				*1,230	890	*850	570	*710
2.5' (0.8 m)	lb				*3,810	1,800	*2,340	1,180	*1,780
	kg				*1,730	820	*1,060	530	*810
Ground level	lb		*2,540	*2,540	*4,150	1,750	*2,610	1,130	*1,910
	kg		*1,150	*1,150	*1,880	790	*1,180	510	*860
-2.5' (-0.8 m)	lb		*4,170	3,540	*3,960	1,750	*2,590	1,120	
	kg		*1,890	1,600	*1,790	790	*1,170	510	
-5' (-1.5 m)	lb		*5,820	3,620	*3,290	1,790	*2,130	1,150	
	kg		*2,640	1,640	*1,490	810	*960	520	

Equipped with: standard monoboom, 3'10" (1.18 m) arm, 3.2 cu. ft. (.09 m<sup>3</sup>) bucket weighing 185 lb (84 kg) rubber tracks, dozer blade down, and optional counterweight.

- Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
- Lifting capacities are based on machine standing on level, firm, and uniform ground.
- User must make allowance for job conditions such as soft or uneven ground, out of level conditions, experience of personnel, etc.
- Ratings at bucket lift hook.
- The above rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Rating Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
- Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for safe operation of equipment should be adhered to at all times.
- Capacities apply only to machines as originally manufactured and normally equipped by New Holland.

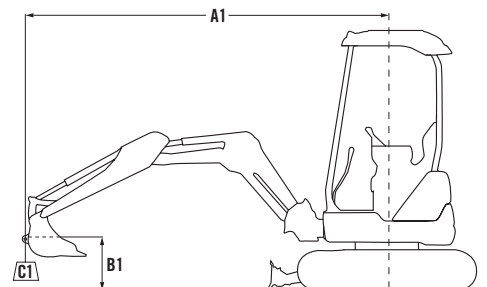
# E35 Specifications

GENERAL	
Operating weight	
Cab - lbs (kg)	8,380 (3800)
Canopy - lbs (kg)	7,960 (3610)
Bucket capacity - cu. ft. (m <sup>3</sup> )	3.2 (.09)
Bucket width with side cutters - in. (mm)	23.6 (600)
Arm length - ft. in. (m)	4'4" (1.32)
ENGINE	
Manufacturer & model	YANMAR, 3TNV88-PYB
Type	Water-cooled, 4 cycle, 3 cylinder, direct-injection, diesel
Power output @ rpm - SAE Net hp (kW)	28.4 (21.2) @ 2,400
Displacement - in <sup>3</sup> (l)	100.2 (1.642)
Fuel tank capacity - gal (l)	10 (38)
Electrical system - volts	D.C. 12 V

HYDRAULIC SYSTEM	
Pumps - Number & type	Two variable displacement piston pumps and two fixed displacement gear pumps
Maximum pump output - gpm (lpm)	2 x 10 (38.4) + 5.4 (20.6) + 3.2 (12.2)
Auxiliary hydraulics output - gpm (lpm)	15.5 (58.7)
Main relief pressure - psi (MPa)	3,336 (23.0)
Capacity of hydraulic system - gal. (l)	12.7 (48)
Capacity of hydraulic reservoir - gal. (l)	10 (38)

BREAKOUT FORCES	
Arm breakout force SAE - lbf (kN)	4,180 (18.576)
Arm breakout force ISO - lbf (kN)	4,294 (19.086)
Bucket breakout force SAE - lbf (kN)	8,430 (37.5)*
Bucket breakout force ISO - lbf (kN)	8,654 (38.5)

\*2-pin bucket



UNDERCARRIAGE	
Travel speed, fwd. - mph (km/h)	2.8/1.6 (4.5/2.5)
Drawbar pull - lbs (kN)	8,587 (38.2)
Crawler shoe width - in. (mm)	11.8 (300)
Ground pressure - psi (kPa)	4.7 (32)
Gradeability - degrees (%)	30 (58)
DOZER BLADE	
Width x height - in. (mm)	66.9 (1700) x 13.6 (345)
Blade movement up & down - in. (mm)	21.3 (540) height x 21.3 (440) depth

SWING	
Swing speed - rpm	8.9
Swing torque - ft-lb (kNm)	752 (1.02)

BASE AND OPTIONAL EQUIPMENT	
<b>BASE EQUIPMENT</b>	ROPS/FOPS canopy design with seat belt
Yanmar, 3TNV88PYB, 4 cycle, 3 cylinder, water cooled, direct injection diesel engine with overhead valves (28.4 SAE HP @ 2,400 RPM)	Display includes: engine oil pressure, water temperature lamp, air filter lamp, water separator detection lamp, low fuel warning lamp, battery charge lamp, glow plug indicator lamp, water temperature gauge, fuel gauge, hour meter
Glow plugs	Hydraulic dozer blade
Two main hydraulic pumps: Variable displacement piston pump, 10.1 GPM	Swing lock
One dozer/slew pump: Fixed gear, 5.4 GPM	Hinged engine cover
Pilot pump: Fixed gear	Swing shockless valve
Two speed travel (1.6/2.8 MPH)	Sealed and lubricated track rollers
One touch decel	Large capacity hydraulic oil cooler
Fully hydrostatic drive system (2 axial piston motors)	Horn
Track tension adjustment (grease type)	Hand control pattern changer - ISO - BHL
12V electrical starting system includes: Heavy-duty battery and starting motor (12V - 40 AMP)	1 or 2 way auxiliary valve, controls and piping
Air cleaner (dry type), hydraulic oil filter	<b>OPTIONAL EQUIPMENT</b>
Swing brake: disc type, spring applied and hydraulically released	Cab with heat and/or AC
Tilt up control panel with two lever control for boom, arm, bucket, and swing; pilot operated wrist controls and foot pedals	11.8" steel tracks
Fuel tank: 10 gallons	2.13 - 6.60 cu ft buckets
	Travel alarm
	Additional attachments available

LIFTING CAPACITY													
		A1		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)		15' (4.68 m)	
		C1		C1		C1		C1		C1		C1	
10' (3.0 m)	lb kg									*1,190 *540	*1,190 *540		
7.5' (2.3 m)	lb kg					*1,380 *620	*1,380 *620	*1,280 *580	*1,280 *580				
5' (1.5 m)	lb kg			*2,760 *1,250	*2,760 *1,250	*1,830 *830	1,780 810	*1,480 *670	1,260 570				
2.5' (0.8 m)	lb kg			*3,760 *1,700	2,580 1,170	*2,270 *1,030	1,690 760	*1,690 *760	1,210 550	*1,390 *630	910 410		
Ground level	lb kg	*2,550 *1,150	*2,550 *1,150	*4,020 *1,820	2,520 1,140	*2,520 *1,140	1,630 740	*1,820 *820	1,180 530				
-2.5' (-0.8 m)	lb kg	*4,080 *1,850	*4,080 *1,850	*3,830 *1,740	2,520 1,140	*2,520 *1,140	1,620 730	*1,800 *810	1,170 530				
-5' (-1.5 m)	lb kg	*5,790 *2,620	5,340 2,420	*3,290 *1,490	2,560 1,160	*2,210 *1,000	1,640 740						
-7.5' (-2.3 m)	lb kg	*3,470 *1,570	*3,470 *1,570	*2,110 *950	*2,110 *950								

Equipped with: standard monoboom, 3'10" (1.18 m) arm, 3.2 cu. ft. (.09 m<sup>3</sup>) bucket weighing 185 lb (84 kg) rubber tracks, dozer blade down, and optional counterweight.

- Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
- Lifting capacities are based on machine standing on level, firm, and uniform ground.
- User must make allowance for job conditions such as soft or uneven ground, out of level conditions, experience of personnel, etc.
- Ratings at bucket lift hook.
- The above rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Rating Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
- Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for safe operation of equipment should be adhered to at all times.
- Capacities apply only to machines as originally manufactured and normally equipped by New Holland.

# E50 Specifications

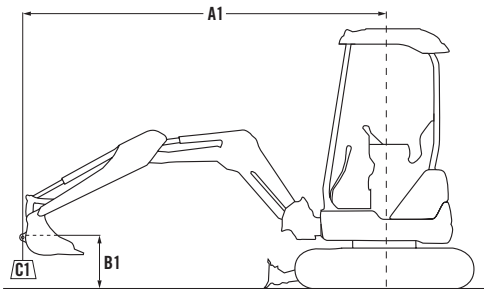
GENERAL	
Operating weight	
Cab - lbs (kg)	10,695 (4850)
Canopy - lbs (kg)	10,275 (4660)
Bucket capacity - cu. ft. (m <sup>3</sup> )	5.65 (.16)
Bucket width with side cutters - in. (mm)	25.6 (650)
Arm length - ft. in. (m)	5'1" (1.56)

ENGINE	
Manufacturer & model	YANMAR, 4TNV88-XYB
Type	Water-cooled, 4 cycle, 4 cylinder, direct-injection, diesel
Power output @ rpm - SAE Net hp (kW)	40.8 (30.4) @ 2,400
Displacement - in <sup>3</sup> (l)	133.6 (2.189)
Fuel tank capacity - gal (l)	14 (53)
Electrical system - volts	D.C. 12 V

HYDRAULIC SYSTEM	
Pumps - Number & type	Two variable displacement piston pumps and two fixed displacement gear pumps
Maximum pump output - gpm (lpm)	2 x 15 (57.1) + 8.9 (33.8) + 3.2 (12.2)
Auxiliary hydraulics output - gpm (lpm)	15.1 (57.2)
Main relief pressure - psi (MPa)	3,336 (23.0)
Capacity of hydraulic system - gal. (l)	16.6 (63)
Capacity of hydraulic reservoir - gal. (l)	11.1 (42)

BREAKOUT FORCES	
Arm breakout force SAE - lbf (kN)	5,823 (25.879)
Arm breakout force ISO - lbf (kN)	5,958 (26.482)
Bucket breakout force SAE - lbf (kN)	11,128 (49.5)*
Bucket breakout force ISO - lbf (kN)	11,424 (51)

\*2-pin bucket



UNDERCARRIAGE	
Travel speed, fwd. - mph (km/h)	2.9/1.7 (4.6/2.8)
Drawbar pull - lbs (kN)	12,185 (54.2)
Crawler shoe width - in. (mm)	15.7 (400)
Ground pressure - psi (kPa)	3.92 (27)
Gradeability - degrees (%)	30 (58)

DOZER BLADE	
Width x height - in. (mm)	77 (1960) x 13.6 (345)
Blade movement up & down - in. (mm)	19.5 (495) height x 14.8 (375) depth

SWING	
Swing speed - rpm	8.8
Swing torque - ft-lb (kNm)	966 (1.31)

BASE AND OPTIONAL EQUIPMENT	
<b>BASE EQUIPMENT</b>	
Yanmar 4TNV88-XYB, 4 cycle, 4 cylinder, water-cooled direct injection diesel engine with overhead valves (40.8 SAE HP @ 2,400 RPM)	Fuel tank: 14 gallons
Glow plugs	ROPS/FOPS: four post canopy design with seat belt
Two main hydraulic pumps: Variable displacement piston pump, 15.1 GPM	Display includes: engine oil pressure, water temperature lamp, air filter lamp, water separator detection lamp, low fuel warning lamp, battery charge lamp, glow plug indicator lamp, water temperature gauge, fuel gauge, hour meter
One dozer/slew pump: Fixed gear, 8.9 GPM	Hydraulic dozer blade
Pilot pump: Fixed gear	Hinged engine cover
Two speed travel (1.6/2.9 MPH)	Swing shockless valve
One touch decel	Sealed and lubricated track rollers
Fully hydrostatic drive system (2 axial piston motors)	Large capacity hydraulic oil cooler
Track tension adjustment (grease type)	Horn
12V electrical starting system includes: Heavy-duty battery and starting motor (12V - 40 AMP)	Hand control pattern changer - ISO - BHL
Air cleaner (dry type), hydraulic oil filter	1 or 2 way auxiliary valve, controls and piping
Swing brake: disc type, spring applied and hydraulically released	<b>OPTIONAL EQUIPMENT</b>
Tilt up control panel with two lever control for boom, arm, bucket, and swing; pilot operated wrist controls and foot pedals	Cab with heat and/or AC
	11.8" steel tracks
	3.00 - 9.80 cu ft buckets
	Travel alarm
	Additional attachments available

## LIFTING CAPACITY

B1	A1	C1											
		5' (1.5 m)	7.5' (2.3 m)	10' (3.0 m)	12.5' (3.8 m)	15' (4.68 m)							
12.5' (3.8 m)	lb							*1,930	*1,930				
	kg							*870	*870				
10' (3.0 m)	lb							*2,050	2,000	*2,120	1,450		
	kg							*930	910	*960	650		
7.5' (2.3 m)	lb					*2,720	*2,720	*2,410	1,940	*2,250	1,420		
	kg					*1,230	*1,230	*1,090	880	*1,020	640		
5' (1.5 m)	lb			*6,180	4,100	*3,750	2,620	*2,900	1,850	*2,490	1,380		
	kg			*2,800	1,860	*1,700	1,190	*1,310	840	*1,130	620		
2.5' (0.8 m)	lb			*4,940	3,810	*4,640	2,470	*3,360	1,770	*2,730	1,330		
	kg			*2,240	1,730	*2,100	1,120	*1,520	800	*1,240	600		
Ground level	lb	*3,330	*3,330	*5,840	3,740	*5,100	2,380	*3,670	1,710	*2,880	1,300		
	kg	*1,510	*1,510	*2,650	1,700	*2,310	1,080	*1,660	770	*1,300	590		
-2.5' (-0.8 m)	lb	*5,220	*5,220	*7,800	3,750	*5,130	2,360	*3,720	1,690	*2,840	1,290		
	kg	*2,370	*2,370	*3,530	1,700	*2,320	1,070	*1,690	760	*1,290	580		
-5' (-1.5 m)	lb	*7,310	*7,310	*6,950	3,800	*4,720	2,380	*3,420	1,700				
	kg	*3,310	*3,310	*3,150	1,720	*2,140	1,080	*1,550	770				
-7.5' (-2.3 m)	lb	*9,340	8,640	*5,370	3,910	*3,670	2,450						
	kg	*4,230	3,920	*2,430	1,770	*1,660	1,110						

Equipped with: standard monoboom, 3'10" (1.18 m) arm, 3.2 cu. ft. (.09 m<sup>3</sup>) bucket weighing 185 lb (84 kg) rubber tracks, dozer blade down, and optional counterweight.

- Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
- Lifting capacities are based on machine standing on level, firm, and uniform ground.
- User must make allowance for job conditions such as soft or uneven ground, out of level conditions, experience of personnel, etc.
- Ratings at bucket lift hook.
- The above rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity Rating Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
- Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for safe operation of equipment should be adhered to at all times.
- Capacities apply only to machines as originally manufactured and normally equipped by New Holland.

## COMPACT EXCAVATORS

### E15

Horsepower  
11.9 hp (9.0 kW) @ 2,000 rpm

Operating weight  
3,240 lbs (1470 kg)

Bucket breakout force  
2,593 lbf (11.5 kN)

### E27

Horsepower  
21.3 hp (15.9 kW) @ 2,200 rpm

Operating weight  
5,557 lbs (2521 kg)

Bucket breakout force  
6,341 lbf (28.1 kN)\*

### E30

Horsepower  
28.4 hp (21.2 kW) @ 2,400 rpm

Operating weight  
6,680 lbs (3030 kg)

Bucket breakout force  
8,430 lbf (37.5 kN)\*

### E35

Horsepower  
28.4 hp (21.2 kW) @ 2,400 rpm

Operating weight  
7,960 lbs (3610 kg)

Bucket breakout force  
8,430 lbf (37.5 kN)\*

### E50

Horsepower  
40.8 hp (30.4 kW) @ 2,400 rpm

Operating weight  
10,275 lbs (4660 kg)

Bucket breakout force  
11,128 lbf (49.5 kN)\*

\*2-pin bucket



## New Holland Construction Equipment Dealers are committed to your success

Your New Holland construction equipment dealer can match you with the best equipment for your operation. Your productivity is their goal and your profitability is their priority.

But providing dependable, efficient construction equipment is only the beginning. Your dealer can also make it easier to put New Holland construction equipment to work on your job site by tailoring low-rate financing, lease programs and insurance plans to meet your needs.

And after the sale your dealer provides peace of mind with expert parts and service support. Factory-trained technicians will service your equipment promptly and maintain your investment.

Visit your New Holland construction equipment dealer and see for yourself why New Holland is a rapidly growing force in the construction equipment industry.



Visit our website at [www.newhollandconstruction.com](http://www.newhollandconstruction.com) Or, call toll-free: 1-866-726-3396

**NEW HOLLAND**

Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.

© 2006 CNH America LLC



Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

Stock #NHC1160601 • 010620 • PRINTED IN U.S.A.



NEW HOLLAND IS A BRAND OF CNH.  
A GLOBAL LEADER FOR CONSTRUCTION EQUIPMENT, AGRICULTURE EQUIPMENT AND FINANCIAL SERVICES.