



# NEW HOLLAND

## E70B E80B TIER IV MID-SIZE EXCAVATORS



- Powerful Excavator and Dozer Combination
- Full-Size Operator's Cab With Heater & A/C
- Straight Boom or Center Offset Models
- INDR® (*Integrated Noise and Dust Reduction*) system



**BUILT AROUND YOU**

# RAISE THE BAR TO A NEW LEVEL OF PERFORMANCE!

Our New Holland Mid-Size, Short Radius excavators provide the power you'd expect in a large excavator with the maneuverability and accessibility of a compact model. Both E70B and E80B have distinct benefits but they also share two important features: Tier IV Stage A engine compliant technology and our patented **INDR® (Integrated Noise and Dust Reduction)** system.

New Holland pushes the technology envelope by offering engines that meet future emissions requirements - today! Our Tier IV Stage A engines don't skimp on power but you'll discover that they're also easy on fuel - delivering up to a 10% increase in fuel economy.

Our patented INDR system is unique to the industry. Our engineers studied excavator sound dynamics and integrated technology that reduces operating noise while improving air filtration and lowers overall operating costs. It's the "Real Deal".

At New Holland, we take care of the technical stuff, like adding a turbo-charger for high altitude operations, so you can focus on productivity.

## OPTIMIZE YOUR CAPABILITIES!

**E70B** – If your work requires straight-out digging performance, the new E70B Short Radius excavator fits the bill. Built on a short radius platform with minimal tail swing overhang, the E70B offers high breakout forces, deep dig depth and excellent dozing capability. It's the perfect combination to help you grow your business without having to pony-up for both an excavator and a dozer. The E70B excels at general excavation, site prep, trenching, pipelaying, as well as, dozing and back filling.

**E80B** – For applications that offer limited operating space but need the performance of a larger excavator, look no further than the New Holland E80B. Think of it as a super-sized compact excavator with big excavator comfort and power. The E80B short radius platform offers a Center Swing boom just like our compact excavators. This means you get both productivity and maneuverability for space restricted environments. The short radius design and center swing capability let you dig and grade at near perpendicular angles to footings, foundations, roads and other hard to access structures and sites.





**SUPERB VERSATILITY**

Short radius design improves maneuverability and the opportunity to work in tight spaces.

Center swing boom/arm combination provides flexibility for working along near-perpendicular angles like footings, curbs and foundations.



Powerful, proportional hydraulics give you secure control for heavy digging and the finesse required for fine grading and finishing.

Dozer blade is essential for site-prep, back-filling and general grading and leveling.





## LARGE EXCAVATOR POWER

### Proven **ISUZU** Engine Performance

Both E70B and E80B excavators deliver leading performance with proven Isuzu engine technology. Cranking out 94hp and 148 lb-ft of torque, these short-radius models have the power to out-dig, out-cycle, out-dump and out-doze the competition.

- Tier IV Stage A 133 cu. in., 4-cylinder, direct injection turbo-charged diesel engine
- 55.7 Net (SAE) engine horsepower @ 2,200 rpm
- 148 lb-ft of engine torque @ 2,200 rpm



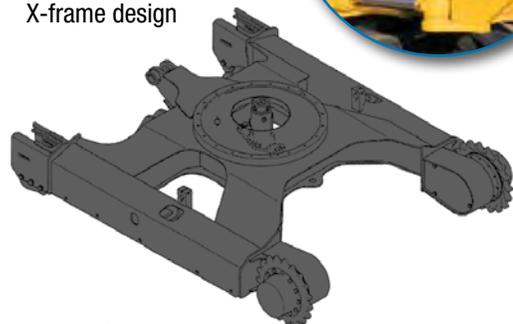
## HEAVY DUTY BY DESIGN

New Holland Mid-Size short radius excavators include robust design features found on our larger New Holland models.

- Long, robust X-frames provide excellent stability and support
- Thick gauge steel booms and arms deliver superior strength
- High quality boom swing castings and boom mounting points assure longevity and durability
- Sealed rollers, sprockets and travel motors extend track life



X-frame design



# FUTURE NOISE REDUCTION TECHNOLOGY IS HERE!

**INDR® (Integrated Noise and Dust Reduction)** system efficiently manages incoming and outgoing air to attain low noise levels, superior system cooling and maximum particulate filtration.

## Here's How it works

Advanced air-flow technology draws cool outside air (Blue arrows) through vents that are integrated into the overall excavator structure.

A pre-filter screen traps particulates larger than 1mm before the incoming air reaches the two-stage engine air filter. High volume air cools the radiator, hydraulic oil cooler, turbo intercooler and entire engine compartment before exhausting through the upper rear vents of the excavator (Green arrows) and away from ground level activity.

Engine exhaust emissions exit through the muffler tail pipe away from the excavator.

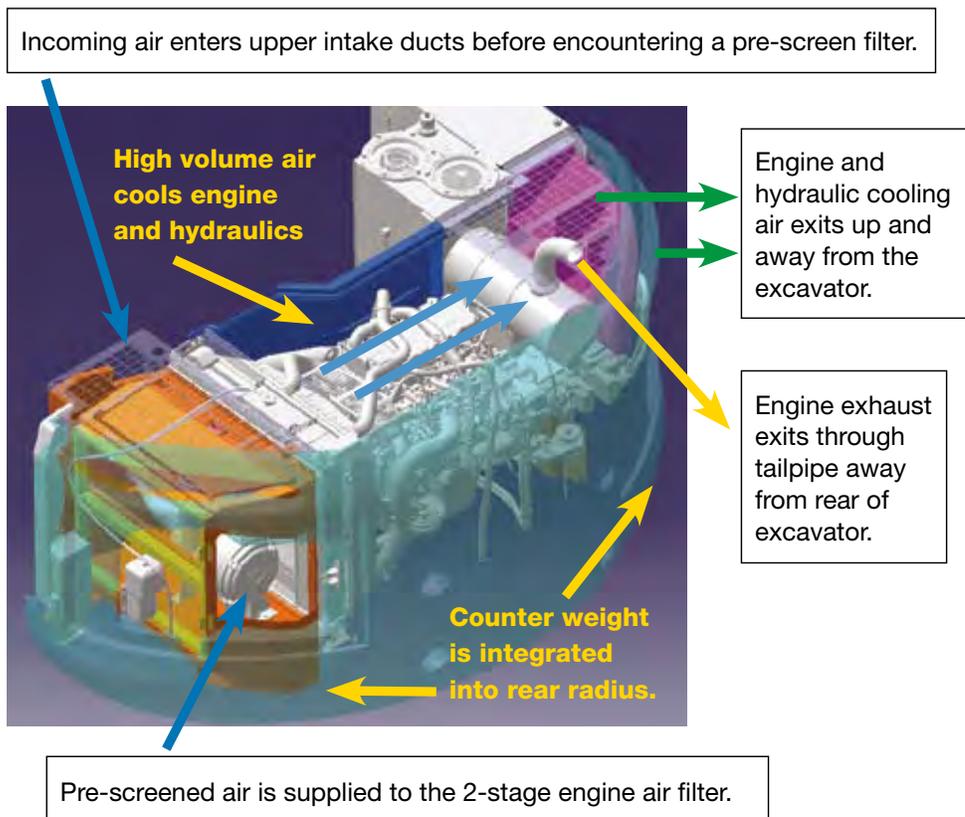
The **INDR** system is designed to provide premium air filtration and excellent engine cooling while reducing noise emissions by up to 5 dBA. This makes the E70B and E80B models quieter than many compact excavators.

**INDR** provides added flexibility and value to the best mid-range excavators on the market today. Add up to a 10% increase in fuel efficiency and you've got a winning combination.



## INDR X-RAY View

INDR cleans and quiets incoming air while reducing overall operating noise.



# PERSONALIZED COMFORT & CONTROL

At New Holland, we build our products around you. That's why we've gone to extremes to ensure that our excavator cabs deliver maximum comfort, easy to monitor system performance and a clear view of the jobsite.

## Designed Around You

- Full-size operator cab with wide entry/exit room
- Adjustable seat lets you customize your positioning
- Controls have been ergonomically placed for ease of access
- Programmable climate-control systems ensures year-round comfort
- AM/FM stereo with dual speakers lets you enjoy your favorite programs
- 24 volt and 12 volt converters for charging cell phones and accessories

## Clear Job-Site Visibility

- By design, New Holland cabs provide clear visibility with minimal obstructions
- Large tinted glass panels reduce glare and the sun's rays
- Operator is positioned for maximum visibility of all functions and controls
- Moveable front, top and door side panels provide excellent ventilation

## Easy-to-Read Instruments

- New monitor includes work mode selector switch, fuel and temperature gauges, and an orange backlit multi-display with large sun shade
- Self diagnostics provide for easy monitoring of system pressures, engine speed, and other functions
- Warning screens and audible alarms alert you to temperature and pressure status
- Establish and review service interval reminders for engine oil, hydraulic oil, fuel and filters

## Personal Climate Control

- High efficiency/high output air conditioning and heating system provides excellent climate control
- Program a temperature between 64 and 90 degrees F (18 to 32 C) to maintain constant year-round comfort
- Four fan speeds and LCD display let you monitor your environment
- Redesigned vents circulate air around the operator's compartment for exceptional air flow dynamics



Key operating controls are located on the right console for easy access. Includes key switch, throttle control, dozer blade hydraulic control, operating lights, A/C and heater controls, and AM/FM radio.



The Power Mode System provides the functionality and flexibility to match your work operations. The monitor features a large sunshade and orange back-lit screen for easy daytime viewing.



The durable, cushioned air suspension seat adjusts seven ways to maximize operator comfort.



# MAXIMIZE YOUR PRODUCTIVITY

Once you're in the operator's seat, buckle-up and get ready for the New Holland experience. New Holland mid-size excavators offer reliable, fine-tuned engine and hydraulic performance that results in exceptional power. The E70B and E80B deliver:

- Leading Bucket Breakout Force
- Excellent Dig Depth
- Maximum Swing Torque
- Superior Drawbar Pull Force

## PREMIUM FEATURES

Other features that enhance your operating experience and the performance of your New Holland excavator include:

### **ITCS™ (Intelligent Total Control System)**

Just like our popular large excavator models, the E70B and E80B short radius excavators include our latest generation of power and control technology. ITCS™ (Intelligent Total Control System) efficiently maximizes both engine and hydraulic performance to give you the ground breaking power you need and the smooth, progressive operational control you expect.

### **Auto Warm-up System**

These mid-size excavators feature an automatic engine and hydraulic warm-up system that is designed to be used whenever oil temperatures fall below 10 deg C (50 deg F). This keeps the engine and hydraulics at the optimum operating temperature.

### **Decel Switch**

At the touch of a button, the decel switch reduces engine rpms, resulting in real fuel savings. This feature is extremely valuable during periods of excavator inactivity.

### **Auxiliary Hydraulics**

Auxiliary hydraulics (standard on the E80B) provide high pump flow for operating a wide variety of application focused attachments.

### **2-Speed Travel**

Changing speeds is easy with the push of a button on the orange backlit monitor.





# DRIVING VALUE

New Holland is the leading choice of operators and business owners who demand performance and value. That's no surprise since these excavators deliver:

- High Productivity – fast cycle times at max rated loads
- Enhanced Comfort – adjustable seat and easy-to-reach controls
- Proven Reliability – durable structural design and components
- Low Cost – tuned engine and hydraulic output for high efficiency
- Fuel Efficiency – up to a 10% increase over previous models
- Total Customer Value – leading performance, outstanding re-sale



## EASY GROUND LEVEL SERVICING

When it's time to perform routine maintenance, New Holland makes it easy with ground level access to key components like:



• INDR Pre-Screen filter



• Valve block and pattern changer



• Engine, filters and coolant reservoir



• Variable displacement hydraulic pump

## DOZER CAPABILITY

In addition to excellent digging and grading capability, the E70B and E80B models offer a rugged dozer blade as standard equipment. Hydraulically controlled from inside the cab, the dozer blade is ideal for dozing or back-filling. Each blade is designed to match the width of the tracks for excellent coverage.



### DESIGNED FOR ATTACHMENTS

At New Holland we design our excavators for use with attachments. Our Tier IV Stage A, Mid-Size excavators offer auxiliary hydraulics for use with grapples, breakers and other working attachments. (See page 17 for standard and optional equipment).

Make your first choice the best choice with a New Holland Mid-Size E70B or E80B short radius excavator.

**New Holland Tier IV Mid-Size excavators are “Built Around You” for increased profitability.**

If you demand comfort, productivity, and fine control, see your nearest New Holland dealer today, or use our dealer locator at [www.newholland.com](http://www.newholland.com) to find the dealer nearest you.



# E70B Dimensions, Weights & Bucket Selection Chart

E70B DIMENSIONS		Standard Arm	
	ARM LENGTH ft (m)	7' 0"	(2.13)
	BOOM LENGTH ft (m)	12' 7"	(3.84)
	A. Overall length	20' 11"	(6.38)
	B. Overall width (with 600 mm shoe)	8' 2"	(2.49)
	C. Overall height (to top of boom)	9' 9"	(2.96)
	D. Basic machine length w/blade	10' 8"	(3.27)
	E. Overall height (to top of cab)*	8' 11"	(2.74)
	F. Ground clearance of rear end*	2' 5"	(0.735)
	G. Center distance of tumbler	7' 4"	(2.24)
	H. Overall length of crawler	9' 5"	(2.87)
	I. Crawler height at tumbler center*	2' 2"	(0.675)
	J. Track gauge	6' 1"	(1.87)
	K. Width of crawler shoe	23.6"	(0.60)
	L. Ground clearance of undercarriage*	1' 2"	(0.36)
	M. Tail swing radius	4' 3"	(1.29)

\* Excludes height of grouser bar

HYDRAULIC SYSTEM	
Hydraulic pump type	Variable displacement piston pump
Pump	1 VP + 1 FG
Max. discharge flow, US gal/min (l/min)	1 x 34.9 (1 x 132)
Pilot pump, US gal/min (l/min)	1 x 5.3 (1 x 18)
Operating pressure:	
Implement, psi (MPa)	4,770 (32.9)
Travel, psi (MPa)	4,260 (29.4)
Swing, psi (MPa)	3,550 (24.5)
Pilot control circuit, psi (MPa)	500 (3.5)
Dozer blade circuit, psi (MPa)	3,990 (27.5)
Control valves (directional)	8-spool valves

E70B BUCKET SELECTION							
Application	Capacity (SAE)		Width		Bucket Weight		Arm ft-in (m)
	yd <sup>3</sup>	(m <sup>3</sup> )	in	(m)	lb	(kg)	7' 0" (2.13)
GENERAL	0.23	(0.175)	0.457	(18)	153	(337)	H
	0.26	(0.198)	0.508	(20)	163	(360)	H
	0.33	(0.252)	0.609	(24)	182	(400)	H
	0.43	(0.328)	0.762	(30)	209	(459)	M
	0.53	(0.405)	0.914	(36)	244	(537)	L
HEAVY DUTY	0.23	(0.175)	0.457	(18)	206	(454)	H
	0.26	(0.198)	0.508	(20)	216	(476)	H
	0.33	(0.252)	0.609	(24)	240	(527)	M
	0.43	(0.328)	0.762	(30)	291	(641)	L
	0.53	(0.405)	0.914	(36)	335	(737)	X

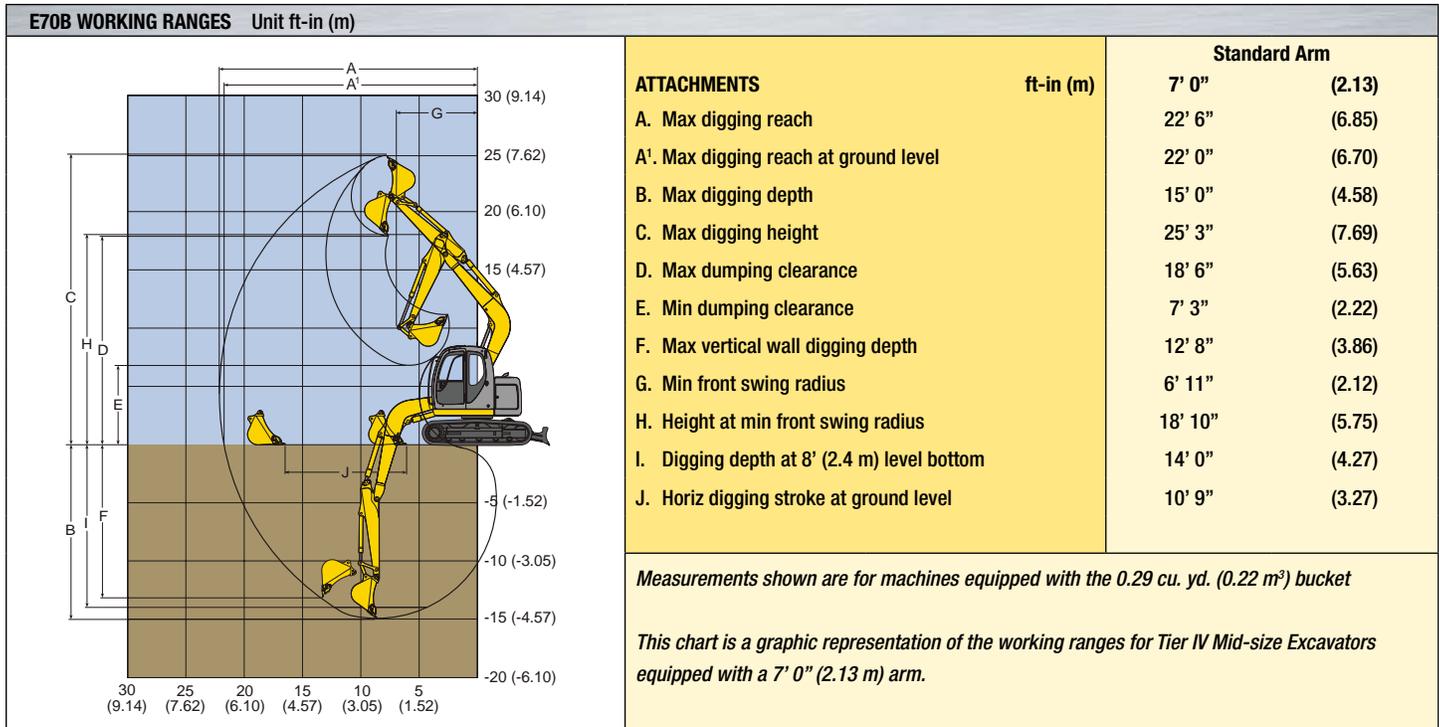
H - Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m<sup>3</sup>)

L - Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m<sup>3</sup>)

M - Used with material weight up to 2,500 lbs/cu yd (1,483 kg/m<sup>3</sup>)

X - Not recommended

# E70B Specifications



GENERAL	
Operating weight with bucket, lb (kg)	17,300 (7,840)
Bucket capacity range (SAE heaped), cu yd (m <sup>3</sup> )	0.23-0.53 (0.18-0.40)
Counterweight, lb (kg)	1,860 (843)

WEIGHTS	
Bucket weight, lb (kg)	420 (190)
Shoe width, in (mm)	23.6 (600)
Machine overall width with dozer blade, ft-in (mm)	8' 2" (2,470)
Ground pressure, psi (kPa)	3.79 (26.1)
Base machine weight, lb (kg)	16,880 (7,650)

PERFORMANCE	
Travel speed (turtle), mph (km/h)	1.70 (2.80)
Travel speed (rabbit), mph (km/h)	3.30 (5.30)
Swing speed, rpm	11.5
Gradeability, degrees (%)	35 (70)
Drawbar pulling force, lb (kN)	16,100 (71.6)
Swing Torque, ft-lbs (kN•m)	14,040 (19.03)

ENGINE	
Make and model	<b>ISUZU</b> AU-4LE2X
Type	Water-cooled, 4-cylinder, 4-cycle direct injection diesel engine with intercooler turbo-charger.
Displacement, cu in (l)	133 (2.18)
Bore, in (mm)	3.35 (85)
Stroke, in (mm)	3.78 (96)
Fuel tank capacity, gal (l)	31.7 (120)
Electrical system, volts (amperes)	12 (50)
Horsepower SAE NET, hp (kW) @ rpm	55.7 @ 2,200 (41 @ 2,200)
Max. torque, lbf-ft (N•m)	148 @ 1,600 (200 @ 1,600)

BREAKOUT FORCES	
Arm breakout force, SAE lbf (kN)	7,700 (34)
Arm breakout force, ISO lbf (kN)	7,900 (35.2)
Bucket breakout force, SAE lbf (kN)	10,600 (47.1)
Bucket breakout force, ISO lbf (kN)	11,800 (52.7)

UNDERCARRIAGE	
Track overall length, ft-in (m)	9' 5" (2.87)
Track overall width w/std. shoe, ft-in (m)	8' 2" (2.49)
Standard track shoe, in (mm)	23.6 (600)
Travel speed (turtle), mph (km/h)	1.70 (2.80)
Travel speed (rabbit), mph (km/h)	3.30 (5.30)
Draw bar pull	16,100 (71.6)
Ground bearing pressure	3.79 (26.1)
Ground clearance-undercarriage, ft-in (mm)	1' 2" (360)

REFILL CAPACITIES	
Fuel tank capacity, gal (l)	31.7 (120)
Hydraulic oil reservoir, gal (l)	19.0 (72)
Hydraulic system including oil reservoir, gal (l)	23.8 (90)
Cooling system, gal (l)	2.2 (8.5)
Lubrication: engine oil, gal (l)	2.9 (11)

DOZER BLADE	
Blade width, ft-in (mm)	8' 2" (2,490)
Blade height, ft-in (mm)	1' 6" (460)
Max. digging depth, in (mm)	10 (245)
Max. lift height, ft-in (mm)	1' 2" (355)
Approach angle, degrees	27
Blade edge angle, degrees	57

# E80B Dimensions, Weights & Bucket Selection Chart

E80B DIMENSIONS			Standard Arm
	ARM LENGTH ft (m)	7' 0"	(2.13)
	BOOM LENGTH ft (m)	12' 1"	(3.67)
	A. Overall length	23' 2"	(7.06)
	B. Overall width (with 600 mm shoe)	8' 2"	(2.49)
	C. Overall height (to top of boom)	9' 8"	(2.94)
	D. Basic machine length w/blade	12' 9"	(3.88)
	E. Overall height (to top of cab)*	9' 0"	(2.74)
	F. Ground clearance of rear end*	2' 5"	(0.735)
	G. Center distance of tumbler	7' 4"	(2.24)
	H. Overall length of crawler	9' 5"	(2.87)
	I. Crawler height at tumbler center*	2' 3"	(0.675)
	J. Track gauge	6' 2"	(1.87)
	K. Width of crawler shoe	23.6"	(0.60)
	L. Ground clearance of undercarriage*	1' 2"	(0.36)
	M. Tail swing radius	5' 10"	(1.79)

\* Excludes height of grouser bar

HYDRAULIC SYSTEM	
Hydraulic pump type	Variable displacement piston pump
Pump	1 VP + 1 FG
Max. discharge flow, US gal/min (l/min)	1 x 34.9 (1 x 132)
Pilot pump, US gal/min (l/min)	1 x 5.3 (1 x 18)
Operating pressure:	
Implement, psi (MPa)	4,770 (32.9)
Travel, psi (MPa)	4,260 (29.4)
Swing, psi (MPa)	3,550 (24.5)
Pilot control circuit, psi (MPa)	500 (3.5)
Dozer blade circuit, psi (MPa)	3,990 (27.5)
Control valves (directional)	8-spool valves

E80B BUCKET SELECTION							
Application	Capacity (SAE)		Width		Bucket Weight		Arm ft-in (m)
	yd <sup>3</sup>	(m <sup>3</sup> )	in	(m)	lb	(kg)	7' 0" (2.13)
GENERAL	0.23	(0.175)	0.457	(18)	153	(337)	H
	0.26	(0.198)	0.508	(20)	163	(360)	H
	0.33	(0.252)	0.609	(24)	182	(400)	H
	0.43	(0.328)	0.762	(30)	209	(459)	M
	0.53	(0.405)	0.914	(36)	244	(537)	L
HEAVY DUTY	0.23	(0.175)	0.457	(18)	206	(454)	H
	0.26	(0.198)	0.508	(20)	216	(476)	H
	0.33	(0.252)	0.609	(24)	240	(527)	M
	0.43	(0.328)	0.762	(30)	291	(641)	L
	0.53	(0.405)	0.914	(36)	335	(737)	X

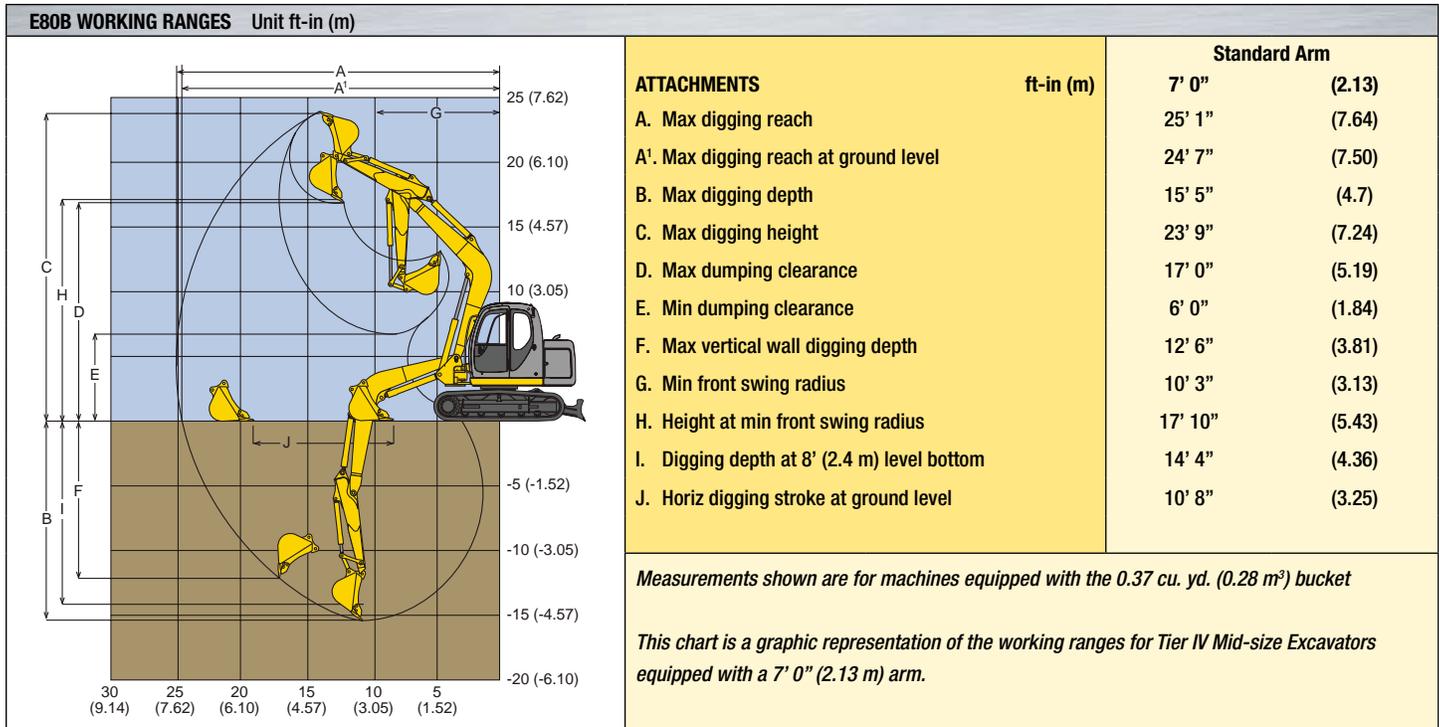
H - Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m<sup>3</sup>)

L - Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m<sup>3</sup>)

M - Used with material weight up to 2,500 lbs/cu yd (1,483 kg/m<sup>3</sup>)

X - Not recommended

# E80B Specifications



GENERAL	
Operating weight with bucket, lb (kg)	18,940 (8,590)
Bucket capacity range (SAE heaped), cu yd (m <sup>3</sup> )	0.23-0.53 (0.18-0.40)
Counterweight, lb (kg)	1,850 (840)

WEIGHTS	
Bucket weight, lb (kg)	420 (190)
Shoe width, in (mm)	23.6 (600)
Machine overall width with dozer blade, ft-in (mm)	8' 2" (2,470)
Ground pressure, psi (kPa)	4.15 (28.6)
Base machine weight, lb (kg)	18,520 (7,750)

PERFORMANCE	
Travel speed (turtle), mph (km/h)	1.70 (2.80)
Travel speed (rabbit), mph (km/h)	3.30 (5.30)
Swing speed, rpm	11.5
Gradeability, degrees (%)	35 (70)
Drawbar pulling force, lb (kN)	16,100 (71.6)
Swing Torque, ft-lbs (kN•m)	14,040 (19.03)

ENGINE	
Make and model	<b>ISUZU</b> AU-4LE2X
Type	Water-cooled, 4-cylinder, 4-cycle direct injection diesel engine with intercooler turbo-charger.
Displacement, cu in (l)	133 (2.18)
Bore, in (mm)	3.35 (85)
Stroke, in (mm)	3.78 (96)
Fuel tank capacity, gal (l)	31.7 (120)
Electrical system, volts (amperes)	12 (50)
Horsepower SAE NET, hp (kW) @ rpm	55.7 @ 2,200 (41 @ 2,200)
Max. torque, lbf-ft (N•m)	148 @ 1,600 (200 @ 1,600)

BREAKOUT FORCES	
Arm breakout force, SAE lbf (kN)	7,690 (34.2)
Arm breakout force, ISO lbf (kN)	7,910 (35.2)
Bucket breakout force, SAE lbf (kN)	10,600 (47.1)
Bucket breakout force, ISO lbf (kN)	11,800 (52.7)

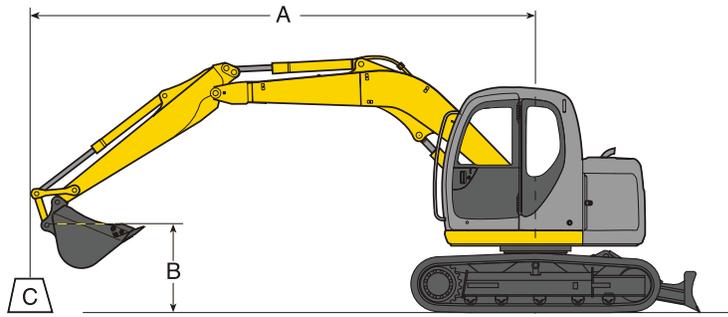
UNDERCARRIAGE	
Track overall length, ft-in (m)	9' 5" (2.87)
Track overall width w/std. shoe, ft-in (m)	8' 2" (2.49)
Standard track shoe, in (mm)	23.6 (600)
Travel speed (turtle), mph (km/h)	1.70 (2.80)
Travel speed (rabbit), mph (km/h)	3.30 (5.30)
Draw bar pull	16,100 (71.6)
Ground bearing pressure	4.15 (28.6)
Ground clearance-undercarriage, ft-in (mm)	1' 2" (360)

REFILL CAPACITIES	
Fuel tank capacity, gal (l)	31.7 (120)
Hydraulic oil reservoir, gal (l)	19.0 (72)
Hydraulic system including oil reservoir, gal (l)	23.8 (90)
Cooling system, gal (l)	2.2 (8.5)
Lubrication: engine oil, gal (l)	2.9 (11)

DOZER BLADE	
Blade width, ft-in (mm)	8' 2" (2,490)
Blade height, ft-in (mm)	1' 6" (460)
Max. digging depth, in (mm)	12 (305)
Max. lift height, ft-in (mm)	1' 7" (475)
Approach angle, degrees	28
Blade edge angle, degrees	56

# E70B E80B Lift Capacities

## LIFTING CAPACITIES



- A** Reach of swing centerline to bucket hook
- B** Bucket hook height above/below ground
- C** Lifting capacities in pounds and kilograms
  - Max discharge pressure: 4,770 psi (336 kg/cm<sup>2</sup>)
  - Track shoe: 23' 6" (600 mm) triple grouser
  - E70B Boom: 12' 7" (3.84 m)
  - E80B Boom: 12' 1" (3.67 m)
  - Bucket weight: 420 lbs. (190 kg)

**E70B LIFTING CAPACITY** – 23.6" (600 mm) triple grouser shoe. Based on machine equipped with – Arm: 7' 0" (2.13 m)  
 Bucket: 0.29 cu. yd. (.22 m<sup>3</sup>) Bucket weight (SAE heaped): 420 lbs (190 kg) Counter weight: 1,860 lbs (843 kg), dozer blade down.

A		LIFT POINT RADIUS							
		5' (1.5 m)		10' (3.0 m)		15' (4.6 m)		20' (6.1 m)	
B	C								
	20'	lb							*2,990
(6.1 m)	kg							*1,350	*1,350
15'	lb					*3,490	3,240	*2,630	*2,630
(4.6 m)	kg					*1,580	1,470	*1,190	*1,190
10'	lb			*4,810	*4,810	3,690	3,090	2,420	2,020
(3.0 m)	kg			*2,180	*2,180	1,670	1,400	1,090	910
5'	lb			*6,600	5,480	3,430	2,840	2,160	1,780
(1.5 m)	kg			*2,990	2,480	1,550	1,290	970	800
GROUND	lb	*3,970	*3,970	6,210	4,940	3,200	2,630	2,180	1,800
LEVEL	kg	*1,800	*1,800	2,810	2,240	1,450	1,190	980	810
-5'	lb	*7,870	*7,870	6,050	4,800	3,110	2,540	2,580	2,120
(-1.5 m)	kg	*3,570	*3,570	2,740	2,170	1,410	1,150	1,170	960
-10'	lb	*7,330	*7,330	*4,580	*4,580			*3,340	*3,340
(-3.0 m)	kg	*3,320	*3,320	*2,070	*2,070			*1,510	*1,510

**E80B LIFTING CAPACITY** – 23.6" (600 mm) triple grouser shoe. Based on machine equipped with – Arm: 7' 0" (2.13 m)  
 Bucket: 0.37 cu. yd. (.28 m<sup>3</sup>) Bucket weight (SAE heaped): 420 lbs (190 kg) Counter weight: 1,850 lbs (840 kg), dozer blade down.

A		LIFT POINT RADIUS							
		5' (1.5 m)		10' (3.0 m)		15' (4.6 m)		20' (6.1 m)	
B	C								
	15'	lb					*3,240	3,240	
(4.6 m)	kg					*1,470	1,470		
10'	lb					*3,920	3,910	2,770	2,370
(3.0 m)	kg					*1,780	1,770	1,260	1,070
5'	lb			8,100	6,620	4,220	3,580	2,640	2,250
(1.5 m)	kg			3,670	3,000	1,910	1,620	1,200	1,020
GROUND	lb			7,430	6,010	3,930	3,300	2,520	2,130
LEVEL	kg			3,370	2,720	1,780	1,490	1,140	960
-5'	lb	*6,270	*6,270	7,360	5,950	3,810	3,190		
(-1.5 m)	kg	*2,840	*2,840	3,330	2,700	1,730	1,440		
-10'	lb	*10,690	*10,690	*7,290	6,120	3,910	3,280		
(-3.0 m)	kg	*4,840	*4,840	*3,310	2,770	1,770	1,480		



Rating over front



Rating over side / 360 degrees

### Notes:

1. Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights. Weight of all accessories must be deducted from the above lifting capacities.
2. Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachments, etc.
3. Ratings at bucket lift hook.

4. The above rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity 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.
5. Operator should be fully acquainted with the Operator's and Maintenance Manuals before operating this machine. Rules for safe operation of equipment should be followed at all times.
6. Capacities apply only to the machine as originally manufactured and normally equipped by New Holland Construction Machinery America LLC.

# E70B E80B Base & Optional Equipment

## STANDARD EQUIPMENT

- AM/FM radio
- Arm, 7' 0" (2.13 m) with rock guard, tapped blocks, breaker ready
- Audible warning system for high coolant temperature, low engine oil pressure, clogged air filter and oil replacement interval
- Automatic swing and travel parking brakes
- Auto-accel system
- Automatic engine & hydraulic warm up function
- Boom: 12' 7" (3.84 m) – **E70B**
- Boom: 12' 1" (3.67 m) – **E80B**
- Boom and arm anti-drift valves
- Cab is die formed, modular steel full-vision, sound insulated, with viscous silicon-filled mounts, windshield wiper, heater and defroster, cigarette lighter, ashtray, floor mat, cab dome light, control lever lock, tinted skylight with damper cylinder
- Climate control air conditioning/heating system
- Combined one-way or two way auxiliary hydraulic piping (one or two pump) with foot controls – **E80B**
- Counter weight: 1,860 lbs (843 kg) – **E70B**
- Counter weight: 1,850 lbs (840 kg) – **E80B**
- Display monitor mounted on multi-function console provides status of following: aging of engine and hydraulic oil, fuel and hydraulic filters, system status, engine preheat, low engine oil pressure, engine coolant temperature, air cleaner restriction, battery charging, fuel level, CPU error and tachometer. Beneath monitor are switches for auto-decel, windshield washer and wiper, mode selector, and swing flashers
- Dozer blade - 18" blade height, hydraulically adjustable from cab
- Electric horn
- Engine shuts down automatically if low oil pressure occurs
- Floor mat - removable, washable, replaceable
- Foot mounted boom swing control – **E80B**
- Heavy duty batteries (2 x 12 volt 70 AH)
- Hour meter
- Hydraulic pressure release
- **INDR® (Integrated Noise and Dust Reduction)** system
- **ITCS™ (Intelligent Total Control System)**
- Lifetime lubricated track rollers, idlers and sprockets, grease cylinder track adjuster, track link disassembly mechanism, long pitch sealed and strutted track links
- Long-life attachment bushings
- Engine, **ISUZU**, AU-4LE2X Tier IV Stage A
- Emergency hammer
- Hydraulic lock-out lever
- Hydraulic oil filter (30 micron filtration)
- Mode selection:  
H Mode—Heavy-duty excavation work  
S Mode—Standard digging and loading work
- Nibbler or breaker selector switch
- Standard-duty X-frame undercarriage
- Power outlet, 24 volt to 12 volt converter
- Proportional hydraulic controls
- Removable travel levers with toe tabs
- Five (5) track rollers
- Dual element air cleaner
- Starting motor (24 v/5.0 KW) 50 amp alternator
- Storage compartment for manuals
- Air suspension seat - 7 way adjustable
- Swing shockless valve
- Track shoes: 23.6" (600mm) semi-triple grouser
- Travel alarm
- Travel—two speed with automatic shift
- Two lever control for boom, arm, bucket and swing; pilot operated wrist controls and foot pedals
- Warm up function - automatically warms both engine and hydraulic systems
- Work lights w/switch

## OPTIONAL EQUIPMENT\*

- Arm: 5' 7" (1.71 m) – **E70B**
- Arm: 6' 2" (1.87 m) – **E80B**
- Belly pan guard
- Buckets (Werk Brau)
- Center track guides
- Combined one-way or two way auxiliary hydraulic piping (one or two pump) with foot controls – **E70B**
- Control pattern changer (ISO/BHL)
- Hydraulic oil for cold or tropical environments
- Independent low-flow rotation valve w/piping
- One-way flow, single pump auxiliary hydraulics w/ piping to end of arm w/foot controls – **E70B**
- Offset boom – **E70B**
- Quick couplers
- Rain visor
- Rubber tracks 17.7 in (450 mm) – Rubber tracks are optional on both E70B/E80B models.
- Vandalism guards

*\*Some items may be available as field install kits or vendor options*

**NOTE:** Due to our policy of continual product improvement, all designs and specifications are subject to change without advance notice.





## MID-SIZE EXCAVATORS

### E70B

Operating Weight  
17,300 lbs (7,840 kg)

NET Horsepower  
(SAE) 55.7 @ 2,200 rpm  
(41 kW @ 2,200 rpm)

Max Digging Depth  
15' 0" (4.58 m)

Bucket Breakout Force  
(SAE) 10,600 lbf (47.1 kN)

### E80B

Operating Weight  
18,940 lbs (8,590 kg)

NET Horsepower  
(SAE) 55.7 @ 2,200 rpm  
(41 kW @ 2,200 rpm)

Max Digging Depth  
15' 5" (4.70 m)

Bucket Breakout Force  
(SAE) 10,600 lbf (47.1 kN)

## World Class Products Demand World Class Dealers

The purchase of a New Holland Construction machine is just the beginning of our relationship together. Consider your experienced New Holland Construction Equipment dealer as your local partner in productivity. Assistance in selecting the right model for your operation and developing an affordable leasing or financing plan through CNH Capital are just a few advantages your local dealer can provide.

Your New Holland Construction dealer's full service capabilities bring you responsive support with genuine New Holland parts and all makes coverage. More importantly, we are there wherever and whenever you need us with our fully equipped service vehicles. From customized maintenance programs to professional operator and technical training, our factory-trained service and parts experts are there to assist you with any of your equipment support needs.

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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.

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