



E18B E27B E35B E50B
TIER IV COMPACT EXCAVATORS



- **Maximum Versatility for Excavating and Grading**
- **Extremely Reliable with Low Cost of Operation**
- **Fast, Productive, Smooth and Powerful**
- **Comfort that's "Built Around You"**



BUILT AROUND YOU

THE VERSATILITY AND POWER TO IMPROVE YOUR BOTTOM LINE!

New Holland offers a full-line of compact excavators that range in size from the E18B with variable-width track spacing, to our E50B that delivers best-in-class productivity. These new models meet the future Tier IV emissions standards, while delivering substantial fuel savings.

New Holland excavators are designed to be versatile and deliver the range of power you expect for your application. If your business involves residential construction, underground pipe/electric work, landscaping, demolition or commercial construction work, New Holland offers a model that's tailor-made to meet your requirements.

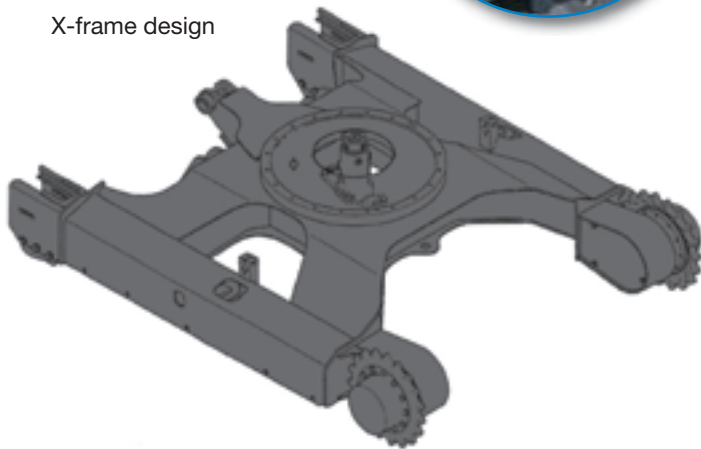
Heavy duty by design

New Holland compact excavators include robust design features found on our larger New Holland excavators.

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



X-frame design



Center swing boom/arm combination for digging, filling and grading along near-perpendicular angles like footings, curbs and foundations.



All standard model configurations provide Zero tail swing for access to the most space restricted areas.





Engine and hydraulic system are expertly matched to provide plenty of power for heavy digging and smooth control for fine grading.

A robust hydraulically controlled dozer blade adds extra versatility for site-prep, back-filling and general grading. An optional 4-Way Angle blade is available on the E35B and E50B for even more versatility.

Cab Option

Fully-enclosed cab systems with heater are available for all models (except the E18B). Air conditioning is standard on the E35B/E50B models when ordered with cab. These cabs offer protection from the elements and excellent visibility.



Putting You in Total Control

New Holland carefully studied operator ergonomics and designed an operator's station with a large entry/exit area, cushioned seat, anti-vibration engine mounts and conveniently located operating controls. The result is improved comfort and extreme ease of operation.



Operating Station Features:

- A.** Hydraulic lock-out lever is outboard of joystick
- B.** Extra-wide entry/exit area
- C.** Hand and foot travel controls
- D.** Adjustable seat pan
- E.** Co-located gauges and controls
- F.** Dual Arm rests
- G.** 3-Post ROPS/FOPS with canopy

COMFORT, VISIBILITY & CONTROL

Personalized Comfort

At New Holland, we put you, the operator - first. That's why we've gone to extremes to ensure that our compact excavators set the standard for comfort in the industry. New Holland excavators deliver:

- Individualized comfort settings – for ultimate personal comfort
- Ergonomically placed controls and gauges – for easy reach and readability
- Clear visibility of all functions and operations – for optimum performance

3-Post ROPS/FOPS Canopy Option

New Holland compact excavators are available with either a 3 post canopy or fully-enclosed cab system*. The 3-post ROPS/FOPS with canopy provides extra-wide entry and exit to the operator's station. Inside you'll find a comfortable seat, and ergonomically positioned controls for ease of access to all critical functions.

*Cab is not available for the E18B model





NEW HOLLAND

E35B



MAXIMIZING YOUR PRODUCTIVITY

Once you're in the operator's seat, buckle-up and get ready for the New Holland experience. New Holland compact excavators offer reliable, fine-tuned engine and hydraulic performance that results in exceptional power and up to a 10% increase in fuel economy. Regardless of the model you choose, you get:

- Leading Bucket Breakout Force
- Excellent Dig Depth
- Maximum Swing Torque
- Superior Drawbar Pull Force
- Extremely Quiet Operation
- Low Vibration Transfer

ENHANCED PERFORMANCE

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

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

Standard on all compact excavator models, making them ready for specialized attachment applications

2-Speed Travel

Changing speeds is easy with the push of a button on the right travel lever

3-Pump System

New Holland's 3-pump "Smart System" allows for simultaneous operation of the swing and boom/arm functions while operating the dozer blade, without affecting travel speed or direction. This configuration provides:

- Proportional control for smooth, progressive movement of the operating controls.
- Improved separation of flow for simultaneous boom/arm/bucket operation while travelling.
- Focused hydraulic flow for maximum breakout power.



DRIVING VALUE

DRIVING VALUE

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

- 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
- Total Customer Value – leading performance, outstanding re-sale
- Outstanding support – highly trained New Holland dealer network

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:



Engine and hydraulic radiators



Hydraulic valve body and hoses



Engine, filters and coolant



Pattern changer/1-2 way hydraulic flow selector





DESIGNED FOR ATTACHMENTS

At New Holland we design our excavators for use with attachments. Our Tier IV compact excavators include auxiliary hydraulics as standard equipment. That makes them factory-ready for grapples, breakers and other attachments.







DOZER CAPABILITY

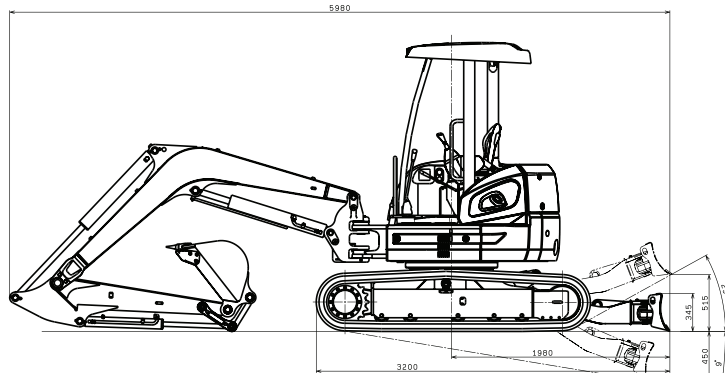
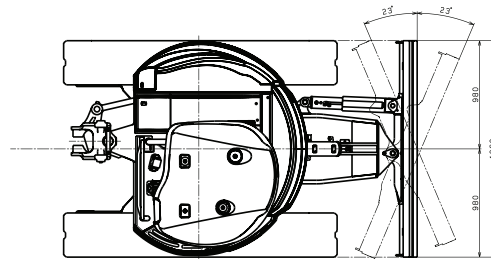
In addition to excellent digging and grading capability, the new New Holland Tier IV compliant compact excavators offer a rugged dozer blade as standard equipment. Controlled by a lever from inside the cab, the dozer blade is ideal for dozing or back-filling. Each blade is designed to match the width of the tracks for excellent coverage.

The E18B has foldable wings to match the variable-width of the tracks. Tracks are expandable from 39" to 52". All models offer durable box-frame blade supports for extreme dependability.

NEW 4-WAY BLADE OPTION

Brand new from New Holland is a 4-way blade option available on the E35B and E50B Compact excavators. Built with the same durability as the standard blade, this 4-way option provides 23 to 25* degrees of left and right angle movement for clearing, grading and back-filling. The 4-way blade gives you better control for following changing terrain and helps eliminate the windrowing effect that can occur with standard dozer blades.

With all of these new options, the new New Holland Tier IV compact excavators increase your profitability.



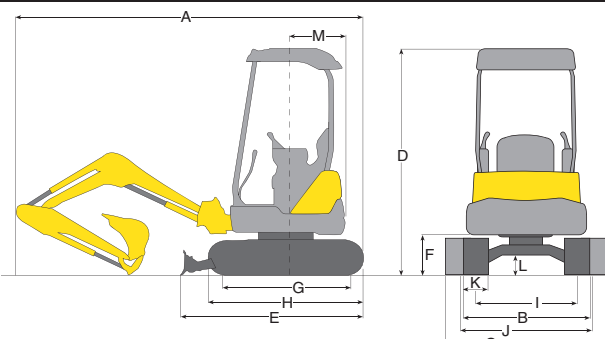
Measurements are for visual purposes only and will vary by model (see specifications page for each model).

*The E35B offers 25 degrees of left/right angle movement; the E50B offers 23 degrees of left/right angle movement.

At New Holland, we build our products around you with extreme comfort, high productivity and fine control. See your nearest New Holland dealer today, or use our dealer locator at www.newholland.com to find the dealer nearest you.

New Holland compact excavators are designed to work near building structures. In the fully expanded track position, the E18B provides "zero tail swing." This makes the E18B especially well-suited to project bids. All New Holland compact excavators offer a center-swing boom for excellent overall maneuverability and accessibility.

E18B Dimensions, Specifications, Working Ranges

DIMENSIONS				
				
	Standard Arm		Optional Arm	
ARM LENGTH ft (m)	3' 3"	(0.98)	3' 11"	(1.20)
BOOM LENGTH ft (m)	5' 9"	(1.75)	5' 9"	(1.75)
A. Overall length	11' 3"	(3.42)	11' 9"	(3.58)
B. Overall width (collapsed)	3' 3"	(0.99)	3' 3"	(0.99)
C. Overall width (expanded)	4' 4"	(1.32)	4' 4"	(1.32)
D. Overall height (to top of canopy)	7' 6"	(2.35)	7' 6"	(2.35)
E. Base machine length	6' 2"	(1.89)	6' 2"	(1.89)
F. Ground clearance of rear end*	1' 6"	(0.45)	1' 6"	(0.45)
G. Center distance of tumbler	4' 0"	(1.21)	4' 0"	(1.21)
H. Overall length of crawler	5' 1"	(1.56)	5' 1"	(1.56)
I. Track gauge (collapsed)	2' 6"	(0.76)	2' 6"	(0.76)
J. Track gauge (expanded)	3' 7"	(1.09)	3' 7"	(1.09)
K. Width of crawler shoe (rubber)	0' 9"	(0.23)	0' 9"	(0.23)
L. Ground clearance of undercarriage	0' 7"	(0.18)	0' 7"	(0.18)
M. Tail swing radius	2' 2"	(0.66)	2' 2"	(0.66)
Tail swing overhang (not shown)**	0"	(0)	0"	(0)

* Excludes height of grouser bar ** With undercarriage in the extended position

PERFORMANCE	
Travel speed (turtle), mph (km/h)	1.2 (2.0)
Travel speed (rabbit), mph (km/h)	2.5 (4.0)
Swing speed, rpm	8.6
Gradeability, degrees (%)	30 (58)
Drawbar pulling force, lb (kN)	4,474 (19.9)
Swing Torque, ft-lbs (kN•m)	310 (0.42)

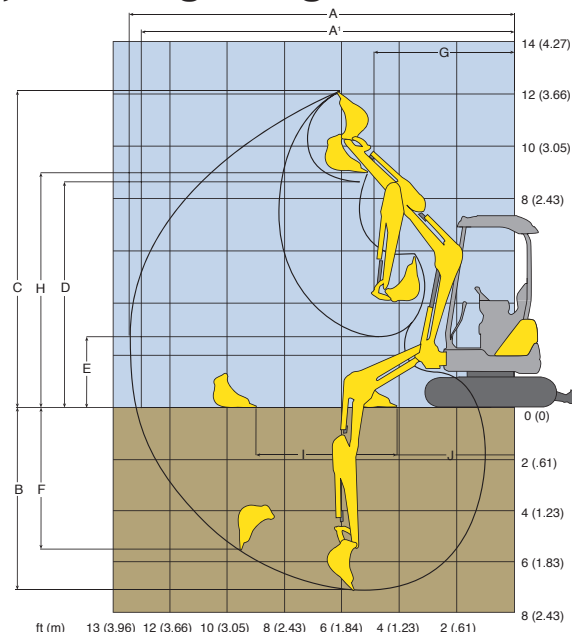
ENGINE	
Make and model	Mitsubishi L3E-W231KBS
Type	Water-cooled, 3-cylinder, 4-cycle direct injection diesel engine.
Displacement, cu in (l)	58.1 (952)
Fuel tank capacity, gal (l)	5.8 (22)
Electrical system, volts (amperes)	12 (40)
Horsepower SAE NET, hp (kW) @ rpm	15.2 @ 2,200 (11.3 @ 2,200)

BREAKOUT FORCES			
ARM	ft-in (m)	Standard	Optional
Arm breakout force, SAE lbf (kN)		2,158 (9.6)	1,888 (8.4)
Arm breakout force, ISO lbf (kN)		2,248 (10.0)	1,956 (8.6)
Bucket breakout force, SAE lbf (kN)		2,900 (12.89)	2,900 (12.89)
Bucket breakout force, ISO lbf (kN)		3,417 (15.2)	3,417 (15.2)

BUCKET SELECTION All configurations at 7.5' (2.3 m) Load Radius (Ground Level)						
Bucket Duty	Capacity (SAE)		Width		Bucket Weight	
	yd³	(m³)	in	(m)	lb	(kg)
HEAVY DUTY	0.78	(0.022)	8	(.203)	95	(43)
	1.00	(0.028)	12	(.305)	105	(48)
	1.3	(0.037)	16	(.406)	115	(52)
					Standard Arm, ft-in (m)	
					3' 3" (0.98)	
					Optional Arm, ft-in (m)	
					3' 11" (1.20)	

H - Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m³)
L - Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m³)

M - Used with material weight up to 2,500 lbs/cu yd (1,483 kg/m³)
X - Not recommended



This chart is a graphic representation of the working ranges for Tier IV Compact Excavator equipped with a 3' 3" (0.98 m) arm.

WORKING RANGES			
ARM	ft-in (m)	Standard	Optional
A. Max digging reach		12' 9" (3.89)	13' 6" (4.12)
A'. Max digging reach at ground level		12' 5" (3.79)	13' 2" (4.02)
B. Max digging depth*		7' 1" (2.15)	7' 9" (2.37)
C. Max digging height*		12' 1" (3.68)	12' 9" (3.88)
D. Max dumping clearance*		8' 8" (2.65)	9' 0" (2.75)
E. Min dumping clearance		3' 3" (1.00)	2' 8" (0.81)
F. Max vertical wall digging depth*		5' 5" (1.66)	6' 4" (1.92)
G. Min front swing radius		5' 1" (1.56)	5' 6" (1.68)
H. Height at min front swing radius		9' 0" (2.75)	9' 4" (2.85)
I. Horizontal digging stroke-ground level		5' 7" (1.70)	6' 5" (1.96)
J. Horizontal digging distance – min		4' 1" (1.24)	4' 0" (1.21)

* Excludes height of grouser bar

Measurements shown are for machines equipped with the 2.83 cu. ft. (0.08 m³) bucket

HYDRAULIC SYSTEM	
Pump	2 VP + 1 FG
Rated hydraulic oil flow, US gal/min (l/min)	2 x 4.3 (2 x 16.3)
Operating pressure:	
Implement, psi (MPa)	2,988 (20.6)
Travel, psi (MPa)	2,988 (20.6)
Swing, psi (MPa)	2,988 (20.6)
Pilot pump, gpm (lpm)	3.0 (11.36)
Dozer circuit, psi (MPa)	2,988 (20.6)
Oil capacity, g (l)	3.3 (15)

WEIGHTS & MEASURES		
ARM	ft-in (m)	Standard
Operating weight with bucket, lb (kg)		3,638 (1,650)
Ground pressure, psi (kPa)		3.99 (27.5)
		Optional
		3' 11" (1.20)
		3,664 (1,662)
		4.00 (27.6)

DOZER BLADE	
Blade height, in (mm)	9.8 (250)
Blade width min., ft-in (mm)	3' 3" (990)
Blade width max., ft-in (mm)	4' 4" (1320)
Max. lift height, in (mm)	11.0 (280)
Max. dig depth, in (mm)	10.6 (270)

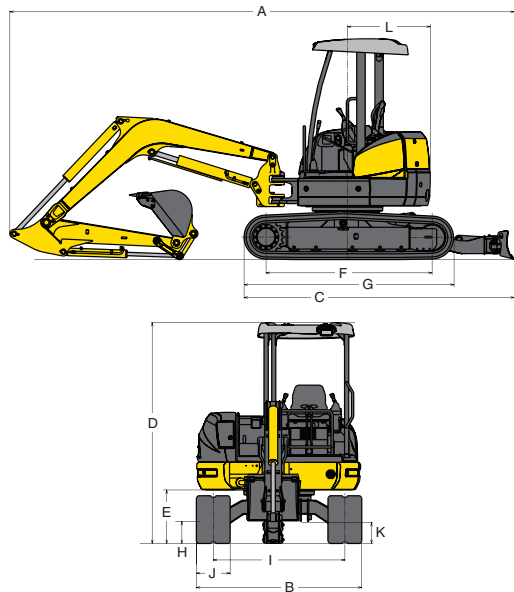
E18B Lift Capacities

LIFTING CAPACITIES												
										<p>A Reach of swing centerline to bucket hook B Bucket hook height above/below ground C Lifting capacities in pounds and kilograms</p> <ul style="list-style-type: none"> • Max discharge pressure: 2,988 psi (20.6 MPa) • Track shoe: 9" (230 mm) rubber • Boom: 5' 9" (1.75 m) 		
										Rating over front	Rating over side / 360 degrees	
LIFTING CAPACITY – 9" (230 mm) rubber shoe. Based on machine equipped with – Standard arm: 3' 3" (.98 m) Bucket: SAE heaped 1.41 cu. ft. (.04 m³); 73 lbs (33 kg) blade down.												
A B	C	LOAD RADIUS								AT MAX. REACH		
		2.5' (0.8 m)		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)				RADIUS
10' (3.0 m)	lb									*770	*770	7' 0"
	kg									*340	*340	(2.14 m)
7.5' (2.3 m)	lb					*680	*680			*720	560	9' 6"
	kg					*310	*310			*320	250	(2.91 m)
5' (1.5 m)	lb					*880	830	*740	500	*720	440	10' 8"
	kg					*390	370	*330	230	*320	190	(3.27 m)
2.5' (0.8 m)	lb			*1,620	1,420	*1,190	760	*830	480	*750	410	11' 0"
	kg			*730	640	*540	340	*370	210	*340	180	(3.36 m)
Ground Level	lb			*2,090	1,380	*1,340	710	*870	460	*790	420	10' 7"
	kg			*950	620	*610	320	*390	210	*350	190	(3.24 m)
-2.5' (-0.8 m)	lb	*2,310	*2,310	*2,150	1,390	*1,210	710			*820	510	9' 4"
	kg	*1,040	*1,040	*970	630	*550	320			*370	230	(2.85 m)
-5' (-1.5 m)	lb			*1,110	*1,110					*770	*770	6' 6"
	kg			*500	*500					*340	*340	(1.98 m)
LIFTING CAPACITY – 9" (230 mm) rubber shoe. Based on machine equipped with – Optional arm: 3' 11" (1.20 m) Bucket: SAE heaped 1.41 cu. ft. (.04 m³); 73 lbs (33 kg) blade down.												
A B	C	LOAD RADIUS								AT MAX. REACH		
		2.5' (0.8 m)		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)				RADIUS
10' (3.0 m)	lb									*660	630	8' 4"
	kg									*290	280	(2.54 m)
7.5' (2.3 m)	lb							*610	460	*630	410	10' 6"
	kg							*280	200	*280	180	(3.20 m)
5' (1.5 m)	lb					*730	*730	*660	430	*630	320	11' 6"
	kg					*330	*330	*300	190	*280	140	(3.51 m)
2.5' (0.8 m)	lb			*2,270	1,280	*1,070	660	*770	400	*660	300	11' 9"
	kg			*1,030	580	*480	300	*350	180	*290	130	(3.60 m)
Ground Level	lb	*1,010	*1,010	*1,940	1,170	*1,300	600	*840	380	*690	300	11' 5"
	kg	*480	*480	*880	530	*590	270	*380	170	*310	130	(3.48 m)
-2.5' (-0.8 m)	lb	*1,830	*1,830	*2,340	1,170	*1,250	590	770	370	*720	380	10' 3"
	kg	*830	*830	*1,060	530	*560	260	350	170	*320	160	(3.13 m)
-5' (-1.5 m)	lb	*2,860	*2,860	*1,500	*1,220	*810	610					7' 11"
	kg	*1,300	*1,300	*680	*550	*360	280					(2.42 m)

Notes:

- 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.
- 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.
- Ratings at bucket lift hook.
- 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.
- 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.
- Capacities apply only to the machine as originally manufactured and normally equipped by New Holland Construction Machinery America LLC.

E27B Dimensions, Weights & Bucket Selection Chart

DIMENSIONS				
	ARM LENGTH ft (m)		Standard Arm	Optional Arm
	BOOM LENGTH ft (m)			
A. Overall length	13' 7"	(4.13)	7' 1"	(2.15)
B. Overall width (with 250 mm shoe)	4' 11"	(1.50)	4' 6"	(1.37)
C. Basic machine length	7' 11"	(2.41)	7' 1"	(2.15)
D. Overall height (to top of canopy)*	8' 2"	(2.50)	14' 2"	(4.32)
E. Ground clearance of rear end*	1' 8"	(0.52)	4' 11"	(1.50)
F. Center distance of tumblers	5' 3"	(1.59)	7' 11"	(2.41)
G. Overall length of crawler	6' 6"	(1.98)	8' 2"	(2.50)
H. Crawler height at tumbler center*	1' 6"	(0.445)	1' 8"	(0.52)
I. Track gauge	4' 1"	(1.25)	5' 3"	(1.59)
J. Width of crawler shoe	9.8"	(0.25)	6' 6"	(1.98)
K. Ground clearance of undercarriage*	9.8"	(0.25)	6' 6"	(1.98)
L. Tail swing radius	2' 6"	(0.75)	1' 6"	(0.445)
* Excludes height of grouser bar				

BUCKET SELECTION								
Bucket Duty	Capacity (SAE)		Width		Bucket Weight		Standard Arm, ft-in (m)	Optional Arm, ft-in (m)
	yd ³	(m ³)	in	(m)	lb	(kg)	3' 8" (1.12)	4' 6" (1.37)
HEAVY DUTY	1.40	(0.04)	12	(.305)	180	(81.7)	H	H
	2.20	(0.06)	18	(.457)	200	(90.7)	H	H
	3.00	(0.09)	24	(.610)	245	(111.1)	M	M

HYDRAULIC SYSTEM	
Hydraulic pump type	Tandem inline variable displacement
Pump	2 VP + 1 FG
Max. discharge flow, US gal/min (l/min)	2 x 6.97 (2 x 26.4)
Dozer/slew pump, US gal/min (l/min)	1 x 3.78 (1 x 14.3)
Operating pressure:	
Implement, psi (MPa)	3,336 (23.0)
Travel, psi (MPa)	3,336 (23.0)
Swing, psi (MPa)	3,336 (23.0)
Dozer circuit, psi (MPa)	3,336 (23.0)
Pilot control circuit, psi (MPa)	508 (3.5)
Control valves (directional)	10-spool valve

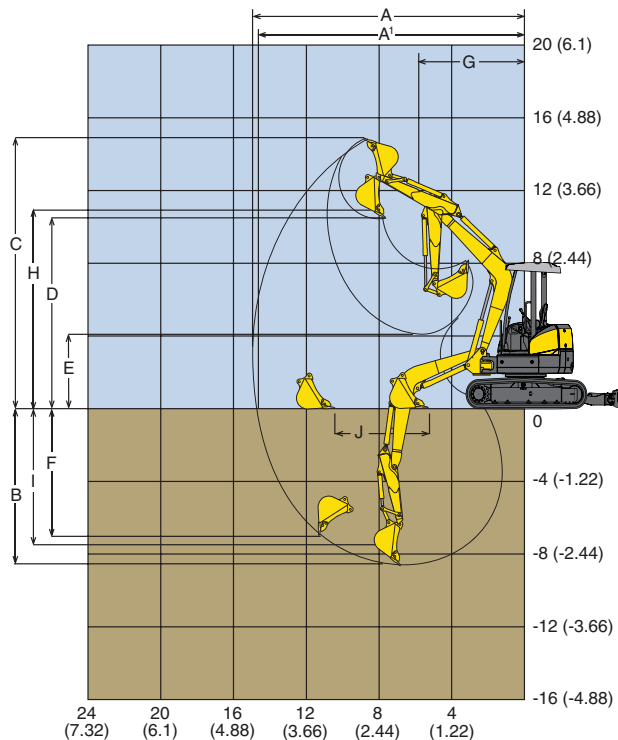
WEIGHTS & MEASURES		
ARM	Standard	Optional
	3' 8" (1.12)	4' 6" (1.37)
Operating weight with bucket, lb (kg)	5,556 (2,520)	5,587 (2,534)
Bucket weight, lb (kg)	137 (62)	137 (62)
Base machine weight, lb (kg)	5,419 (2,458)	5,450 (2,472)
Bucket capacity range (SAE heaped), cu ft (m ³)	2.83 (0.08)	2.83 (0.08)
Standard shoe width, in (mm)	10 (250)	10 (250)
Ground pressure, psi (kPa)	4.06 (28)	4.09 (28.2)

H - Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m³)
L - Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m³)
M - Used with material weight up to 2,500 lbs/cu yd (1,483 kg/m³)
X - Not recommended
All configurations at 7.5' (2.3 m) Load Radius (Ground Level)



E27B Specifications

WORKING RANGES



ARM	ft-in (m)	Standard	Optional
A. Max digging reach		3' 8" (1.12)	4' 6" (1.37)
A'. Max digging reach at ground level		15' 3" (4.64)	16' 1" (4.89)
B. Max digging depth		8' 4" (2.54)	9' 2" (2.79)
C. Max digging height		14' 8" (4.47)	15' 5" (4.69)
D. Max dumping clearance		10' 5" (3.17)	11' 1" (3.38)
E. Min dumping clearance		4' 1" (1.25)	3' 4" (1.01)
F. Max vertical wall digging depth		7' 7" (2.32)	8' 5" (2.56)
G. Min front swing radius		6' 0" (1.83)	6' 2" (1.88)
H. Height at min front swing radius		10' 10" (3.31)	10' 10" (3.31)
I. Digging depth at 8' (2.4 m) level bottom		6' 6" (1.99)	7' 9" (2.35)
J. Horiz digging stroke at ground level		4' 11" (1.51)	4' 7" (1.40)

Measurements shown are for machines equipped with the 2.83 cu. ft. (0.08 m³) bucket

This chart is a graphic representation of the working ranges for Tier IV Compact Excavator equipped with a 3' 8" (1.12 m) arm.

PERFORMANCE

Travel speed (turtle), mph (km/h)	1.43 (2.30)
Travel speed (rabbit), mph (km/h)	2.55 (4.10)
Swing speed, rpm	8.7
Gradeability, degrees (%)	30 (58)
Drawbar pulling force, lb (kN)	6,362 (28.3)
Swing Torque, ft-lbs (kN•m)	443 (0.6)

BREAKOUT FORCES

		Standard		Optional	
ARM	ft-in (m)	3' 8"	(1.12)	4' 6"	(1.37)
Arm breakout force, SAE lbf (kN)		3,327	(14.8)	2,878	(12.8)
Arm breakout force, ISO lbf (kN)		3,422	(15.2)	3,327	(14.8)
Bucket breakout force, SAE lbf (kN)		6,341	(28.2)	6,341	(28.2)
Bucket breakout force, ISO lbf (kN)		6,510	(29)	6,510	(29)

ENGINE

Make and model	YANMAR 3TNV82A-SYB
Type	Water-cooled, 3-cylinder, 4-cycle direct injection diesel engine.
Displacement, cu in (l)	81.2 (1,330)
Bore, in (mm)	3.23 (82)
Stroke, in (mm)	3.31 (84)
Fuel tank capacity, gal (l)	7.4 (28)
Electrical system, volts (amperes)	12 (40)
Horsepower SAE NET, hp (kW) @ rpm	21.6 @ 2,200 (15.9 @ 2,200)
Max. torque, lbf-ft (N•m)	59.1 @ 1,320 (79 @ 1,320)

UNDERCARRIAGE

Track overall length, ft-in (m)	6' 6" (1.98)
Track overall width w/std. shoe, ft-in (m)	4' 11" (1.50)
Standard track shoe, in (mm)	9.8 (250)
Ground clearance-undercarriage, in (mm)	9.8 (250)

SHIPPING DIMENSIONS

		Standard		Optional	
ARM	ft-in (m)	3' 8"	(1.12)	4' 6"	(1.37)
Overall excavator height – canopy		8' 2"	(2.5)	8' 2"	(2.5)
Overall excavator height – cab		8' 4"	(2.54)	8' 4"	(2.54)
Width w/std. shoe		4' 11"	(1.50)	4' 11"	(1.50)
Length		13' 7"	(4.13)	14' 2"	(4.3)

REFILL CAPACITIES

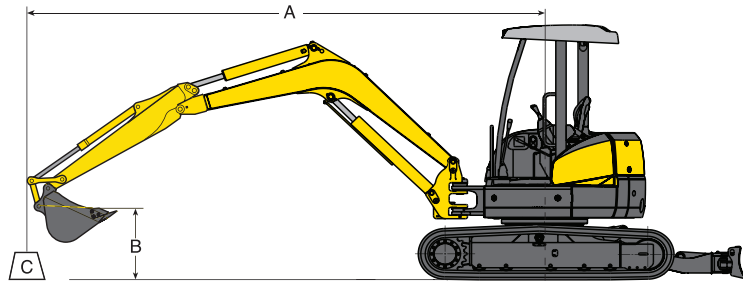
Fuel tank capacity, gal (l)	7.4 (28)
Hydraulic oil reservoir, gal (l)	5.3 (20)
Hydraulic system including oil reservoir, gal (l)	6.6 (25)
Cooling system, gal (l)	1 (3.8)
Lubrication: engine oil, gal (l)	1.5 (5.5)

DOZER BLADE

Blade height, in (mm)	12 (300)
Blade width, ft-in (mm)	4' 11" (1,500)
Max. lift height, ft-in (mm)	1' 6" (445)
Max. dig depth, ft-in (mm)	1' 1" (335)
Angle of approach, degrees	38

E27B Lift Capacities — with canopy

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: 3,336 psi (235 kg/cm²)
 - Track shoe: 9.8" (250 mm) rubber
 - Boom: 7' 1" (2.15 m)
 - Bucket weight: 137 lbs. (62 kg)



Rating over front



Rating over side / 360 degrees

LIFTING CAPACITY – 9.8" (250 mm) rubber shoe. Based on machine equipped with – Canopy: Standard arm: 3' 8" (1.12 m) Bucket: SAE heaped 2.8 cu. ft. (.08 m³), dozer blade down.

A B C		LOAD RADIUS							
		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)	
10'	lb					920	920		
(3.0 m)	kg					410	410		
7.5'	lb					970	910		
(2.3 m)	kg					440	410		
5'	lb			1,600	1,380	1,180	870	1,020	590
(1.5 m)	kg			720	620	530	390	460	270
2.5'	lb			2,230	1,260	1,420	810	1,100	570
(0.8 m)	kg			1,010	570	640	370	500	260
Ground	lb	2,250	2,250	2,450	1,200	1,560	780	1,130	550
Level	kg	1,020	1,020	1,110	540	710	350	510	250
-2.5'	lb	3,860	2,440	2,300	1,200	1,500	770		
(-0.8 m)	kg	1,750	1,100	1,040	540	680	350		
-5'	lb	2,980	2,510	1,760	1,240				
(-1.5 m)	kg	1,350	1,130	800	560				

LIFTING CAPACITY – 9.8" (250 mm) rubber shoe. Based on machine equipped with – Cab: Standard arm: 3' 8" (1.12 m) Bucket: SAE heaped 2.8 cu. ft. (.08 m³), dozer blade down.









A B C		LOAD RADIUS							
		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)	
10'	lb					920	920		
(3.0 m)	kg					410	410		
7.5'	lb					970	970		
(2.3 m)	kg					440	440		
5'	lb			1,600	1,490	1,180	940	1,020	650
(1.5 m)	kg			720	670	530	420	460	290
2.5'	lb			2,230	1,360	1,420	890	1,100	620
(0.8 m)	kg			1,010	620	640	400	500	280
Ground	lb	2,250	2,250	2,450	1,310	1,560	850	1,130	610
Level	kg	1,020	1,020	1,110	590	710	380	510	270
-2.5'	lb	3,860	2,640	2,300	1,310	1,500	850		
(-0.8 m)	kg	1,750	1,200	1,040	590	680	380		
-5'	lb	2,980	2,710	1,760	1,350				
(-1.5 m)	kg	1,350	1,230	800	610				

Notes:

- 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.
- 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.
- Ratings at bucket lift hook.
- 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.
- 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.
- Capacities apply only to the machine as originally manufactured and normally equipped by New Holland Construction Machinery America LLC.

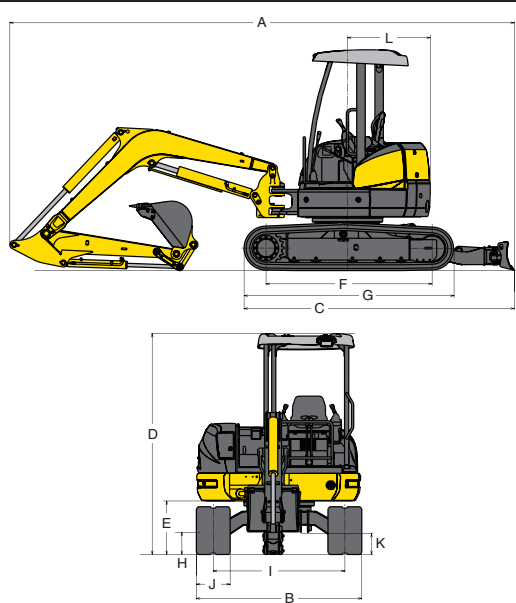
E27B

LIFTING CAPACITY – 9.8" (250 mm) rubber shoe. Based on machine equipped with – Canopy: Optional arm: 4' 6" (1.37 m) Bucket: SAE heaped 2.8 cu. ft. (.08 m³), dozer blade down.

		LOAD RADIUS							
		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)	
B	A								
	C								
10' (3.0 m)	lb					750	750		
	kg					340	340		
7.5' (2.3 m)	lb					820	820	850	610
	kg					370	370	380	270
5' (1.5 m)	lb			1,330	1,300	1,040	870	920	580
	kg			600	600	470	390	420	260
2.5' (0.8 m)	lb			2,030	1,260	1,320	800	1,030	560
	kg			920	570	600	360	470	250
Ground Level	lb	2,010	2,010	2,390	1,190	1,510	760	1,110	540
	kg	910	910	1,080	540	680	340	500	240
-2.5' (-0.8 m)	lb	3,250	2,380	2,360	1,170	1,520	750	1,040	530
	kg	1,470	1,080	1,070	530	690	340	470	240
-5' (-1.5 m)	lb	3,520	2,430	1,970	1,190	1,240	760		
	kg	1,590	1,100	890	540	560	340		



E35B Dimensions, Weights & Bucket Selection Chart

DIMENSIONS				
	ARM LENGTH ft (m)		Standard Arm Optional Arm	
	BOOM LENGTH ft (m)			
A. Overall length	15' 5"	(4.71)	16' 1"	(4.90)
B. Overall width (with 250 mm shoe)	5' 7"	(1.70)	5' 1"	(1.55)
C. Basic machine length	8' 8"	(2.63)	8' 10"	(2.68)
D. Overall height (to top of canopy)*	8' 5"	(2.57)	8' 5"	(2.57)
E. Ground clearance of rear end*	1' 10"	(0.57)	1' 10"	(0.57)
F. Center distance of tumbler	5' 7"	(1.70)	5' 7"	(1.70)
G. Overall length of crawler	7' 1"	(2.15)	7' 1"	(2.15)
H. Crawler height at tumbler center*	1' 8"	(0.52)	1' 8"	(0.52)
I. Track gauge	4' 7"	(1.40)	4' 7"	(1.40)
J. Width of crawler shoe	11.8"	(0.30)	11.8"	(0.30)
K. Ground clearance of undercarriage*	1' 1"	(0.33)	1' 1"	(0.33)
L. Tail swing radius	2' 9"	(0.85)	2' 9"	(0.85)
* Excludes height of grouser bar				

BUCKET SELECTION								
Bucket Duty	Capacity (SAE)		Width		Bucket Weight		Standard Arm, ft-in (m)	Optional Arm, ft-in (m)
	yd ³	(m ³)	in	(m)	lb	(kg)	4' 4" (1.32)	5' 3" (1.59)
HEAVY DUTY	2.13	(0.06)	12	(.203)	205	(93.0)	H	H
	4.25	(0.12)	24	(.610)	295	(133.8)	M	M
	6.60	(0.19)	36	(.914)	350	(158.8)	L	L

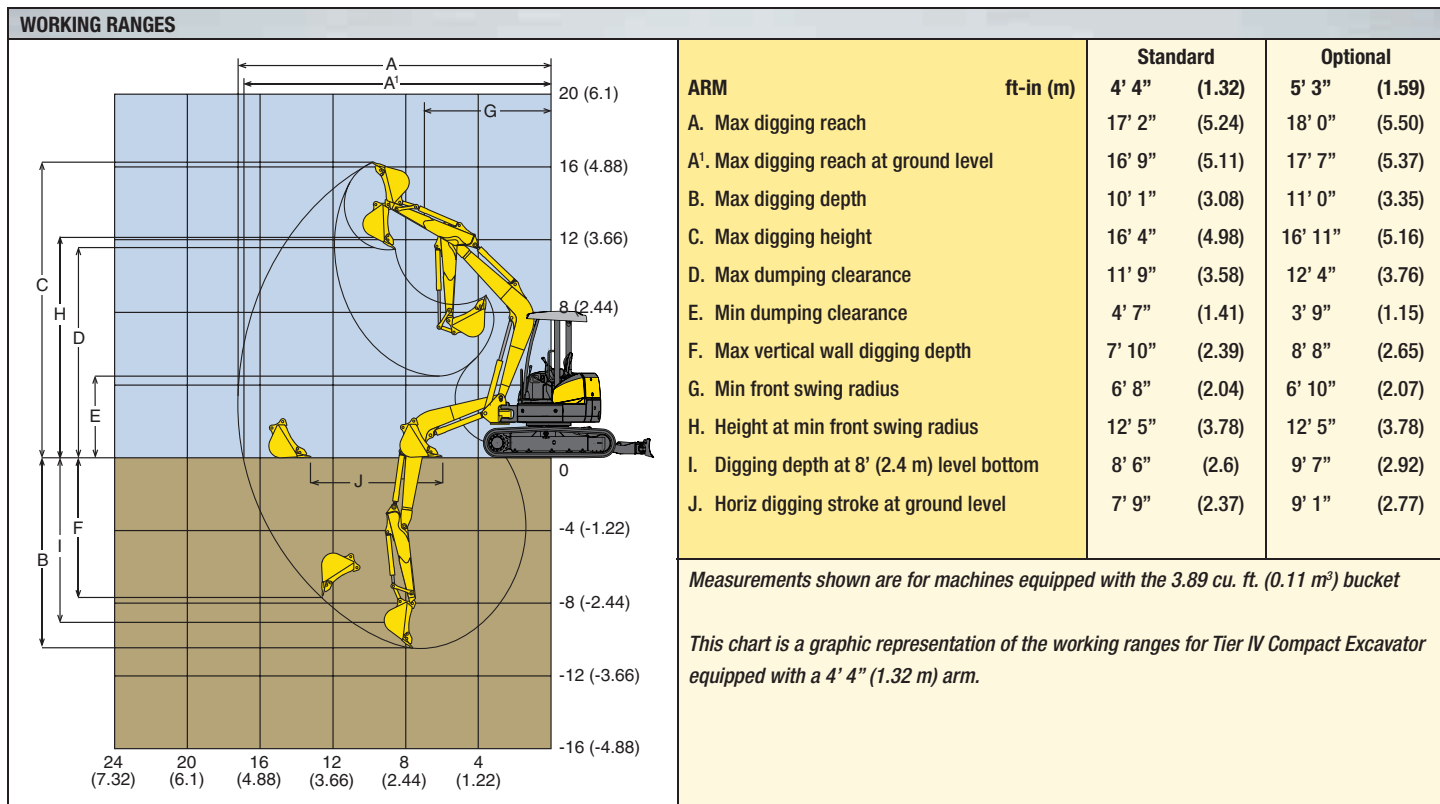
HYDRAULIC SYSTEM	
Hydraulic pump type	Tandem inline variable displacement
Pump	2 VP + 1 FG
Max. discharge flow, US gal/min (l/min)	2 x 10.14 (2 x 38.4)
Dozer/slew pump, US gal/min (l/min)	1 x 5.44 (1 x 20.6)
Operating pressure:	
Implement, psi (MPa)	3,336 (23.0)
Travel, psi (MPa)	3,336 (23.0)
Swing, psi (MPa)	2,900 (20.0)
Dozer circuit, psi (MPa)	2,900 (20.0)
Pilot control circuit, psi (MPa)	508 (3.5)
Control valves (directional)	10-spool valve

WEIGHTS & MEASURES		
ARM	Standard	Optional
	4' 4" (1.32)	5' 3" (1.59)
Operating weight with bucket, lb (kg)	7,959 (3,610)	7,992 (3,625)
Bucket weight, lb (kg)	196 (89)	196 (89)
Base machine weight, lb (kg)	7,763 (3,521)	7,796 (3,536)
Bucket capacity range (SAE heaped), cu ft (m ³)	3.20 (0.09)	3.20 (0.09)
Standard shoe width, in (mm)	11.8 (300)	11.8 (300)
Ground pressure, psi (kPa)	4.64 (32)	4.66 (32.1)

H - Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m³)
L - Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m³)
M - Used with material weight up to 2,500 lbs/cu yd (1,483 kg/m³)
X - Not recommended
All configurations at 7.5' (2.3 m) Load Radius (Ground Level)



E35B Specifications



PERFORMANCE	
Travel speed (turtle), mph (km/h)	1.6 (2.50)
Travel speed (rabbit), mph (km/h)	2.8 (4.50)
Swing speed, rpm	8.9
Gradeability, degrees (%)	30 (58)
Drawbar pulling force, lb (kN)	8,655 (38.49)
Swing Torque, ft-lbs (kN•m)	752 (1.02)

ENGINE	
Make and model	YANMAR 3TNV88-BPYB
Type	Water-cooled, 3-cylinder, 4-cycle direct injection diesel engine.
Displacement, cu in (l)	100.2 (1,642)
Bore, in (mm)	3.47 (88)
Stroke, in (mm)	3.54 (90)
Fuel tank capacity, gal (l)	10 (38)
Electrical system, volts (amperes)	12 (50)
Horsepower SAE NET, hp (kW) @ rpm	28.43 @ 2,400 (21.2 @ 2,400)
Max. torque, lbf-ft (N•m)	72.28 @ 1,440 (98 @ 1,440)

4-WAY BLADE OPTION - DIMENSIONS	
Blade height, in (mm)	14 (345)
Blade width, ft-in (mm)	5' 7" (1.70)
Max. lift height, ft-in (mm)	1' 11" (589)
Max. dig depth, ft-in (mm)	1' 7" (486)
Left/right angle, degrees	25

SHIPPING DIMENSIONS (w/4-way blade)					
		Standard		Optional	
ARM	ft-in (m)	4' 4"	(1.32)	5' 3"	(1.59)
Overall excavator height – canopy		8' 6"	(2.60)	8' 6"	(2.60)
Overall excavator height – cab		8' 6"	(2.60)	8' 6"	(2.60)
Length – blade rearward		17' 6"	(5.34)	18' 4"	(5.59)

BREAKOUT FORCES					
		Standard		Optional	
ARM	ft-in (m)	4' 4"	(1.32)	5' 3"	(1.59)
Arm breakout force, SAE lbf (kN)		4,204	(18.7)	3,657	(16.3)
Arm breakout force, ISO lbf (kN)		4,294	(19.1)	3,732	(16.6)
Bucket breakout force, SAE lbf (kN)		8,430	(37.5)	8,430	(37.5)
Bucket breakout force, ISO lbf (kN)		8,654	(38.5)	8,654	(38.5)

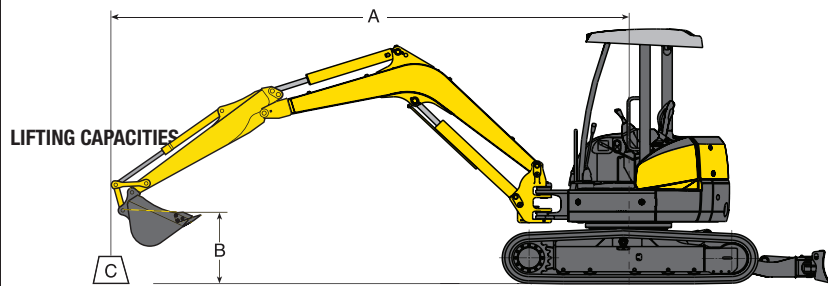
UNDERCARRIAGE	
Track overall length, ft-in (m)	7' 1" (2.15)
Track overall width w/std. shoe, ft-in (m)	5' 7" (1.70)
Standard track shoe, in (mm)	11.8 (300)
Ground clearance-undercarriage, ft-in (mm)	1' 1" (330)

SHIPPING DIMENSIONS					
		Standard		Optional	
ARM	ft-in (m)	4' 4"	(1.32)	5' 3"	(1.59)
Overall excavator height – canopy		8' 5"	(2.57)	8' 5"	(2.57)
Overall excavator height – cab		8' 7"	(2.61)	8' 7"	(2.61)
Width w/std. shoe		5' 7"	(1.70)	5' 7"	(1.70)
Length		15' 5"	(4.71)	16' 1"	(4.90)

REFILL CAPACITIES	
Fuel tank capacity, gal (l)	10 (38)
Hydraulic oil reservoir, gal (l)	10 (38)
Hydraulic system including oil reservoir, gal (l)	12.7 (48)
Cooling system, gal (l)	1.22 (4.6)
Lubrication: engine oil, gal (l)	1.77 (6.7)

DOZER BLADE	
Blade height, in (mm)	14 (345)
Blade width, ft-in (mm)	5' 1" (1,550)
Max. lift height, ft-in (mm)	1' 10" (560)
Max. dig depth, ft-in (mm)	1' 4" (410)
Angle of approach, degrees	38

E35B Lift Capacities — with canopy



- 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: 3,336 psi (235 kg/cm²)
- Track shoe: 11.8" (300 mm) rubber
- Boom: 8' 2" (2.5 m)
- Bucket weight: 196 lbs. (89 kg)













Rating over front













Rating over side / 360 degrees

LIFTING CAPACITY – 11.8" (300 mm) rubber shoe. Based on machine equipped with – Canopy: Standard arm: 4' 4" (1.32 m) Bucket: SAE heaped 3.9 cu. ft. (.11 m³), dozer blade down.

A B		LOAD RADIUS									
		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)		15.0' (4.6 m)	
											
10' (3.0 m)	lb kg							1,190 540	1,120 510		
7.5' (2.3 m)	lb kg					1,380 620	1,380 620	1,280 580	1,100 500		
5' (1.5 m)	lb kg			2,760 1,250	2,380 1,080	1,830 830	1,510 680	1,480 670	1,050 470		
2.5' (0.8 m)	lb kg			3,760 1,700	2,180 990	2,270 1,030	1,420 640	1,690 760	1,000 450	1,390 630	750 340
Ground Level	lb kg	2,550 1,150	2,550 1,150	4,020 1,820	2,120 960	2,520 1,140	1,360 610	1,820 820	970 440		
-2.5' (-0.8 m)	lb kg	4,080 1,850	4,080 1,850	3,830 1,740	2,120 960	2,520 1,140	1,340 610	1,800 810	960 430		
-5' (-1.5 m)	lb kg	5,790 2,620	4,550 2,060	3,290 1,490	2,150 970	2,210 1,000	1,360 620				
-7.5' (-2.3 m)	lb kg	3,470 1,570	3,470 1,570	2,110 950	2,110 950						

LIFTING CAPACITY – 11.8" (300 mm) rubber shoe. Based on machine equipped with – Cab: Standard arm: 4' 4" (1.32 m) Bucket: SAE heaped 3.9 cu. ft. (.11 m³), dozer blade down.











A B		LOAD RADIUS									
		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)		15.0' (4.6 m)	
											
10' (3.0 m)	lb kg							1,190 540	1,190 540		
7.5' (2.3 m)	lb kg							1,280 580	1,160 530		
5' (1.5 m)	lb kg			2,760 1,250	2,510 1,140	1,830 830	1,600 720	1,480 670	1,120 500		
2.5' (0.8 m)	lb kg			3,760 1,700	2,310 1,050	2,270 1,030	1,500 680	1,690 760	1,070 480	1,390 630	800 360
Ground Level	lb kg	2,550 1,150	2,550 1,150	4,020 1,820	2,250 1,020	2,520 1,140	1,450 650	1,820 820	1,040 470		
-2.5' (-0.8 m)	lb kg	4,080 1,850	4,080 1,850	3,830 1,740	2,250 1,020	2,520 1,140	1,430 650	1,800 810	1,030 460		
-5' (-1.5 m)	lb kg	5,790 2,620	4,800 2,180	3,290 1,490	2,280 1,030	2,210 1,000	1,450 660				
-7.5' (-2.3 m)	lb kg	3,470 1,570	3,470 1,570	2,110 950	2,110 950						

Notes:

- 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.
- 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.
- Ratings at bucket lift hook.
- 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.
- 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.
- Capacities apply only to the machine as originally manufactured and normally equipped by New Holland Construction Machinery America LLC.

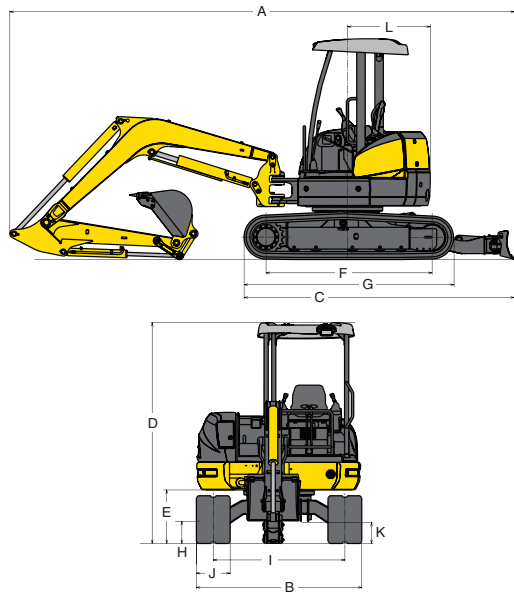
E35B

LIFTING CAPACITY – 11.8" (300 mm) rubber shoe. Based on machine equipped with – Canopy: Optional arm: 5' 3" (1.59 m) Bucket: SAE heaped 3.9 cu. ft. (.11 m³), dozer blade down.

A	B	C	LOAD RADIUS									
			5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)		15.0' (4.6 m)	
												
10' (3.0 m)	lb								*1,010	*1,010		
	kg								*450	*450		
7.5' (2.3 m)	lb						*1,140	*1,140	*1,120	1,100	*1,120	780
	kg						*510	*510	*510	500	*510	350
5' (1.5 m)	lb				*2,260	*2,260	*1,600	1,520	*1,340	1,050	*1,210	760
	kg				*1,020	*1,020	*720	690	*600	470	*540	340
2.5' (0.8 m)	lb				*3,430	2,210	*2,090	1,420	*1,570	1,000	*1,310	730
	kg				*1,550	1,000	*950	640	*710	450	*590	330
Ground Level	lb		*2,310	*2,310	*3,930	2,100	*2,420	1,350	*1,750	950	*1,380	710
	kg		*1,040	*1,040	*1,780	950	*1,100	610	*790	430	*630	320
-2.5' (-0.8 m)	lb		*3,540	*3,540	*3,910	2,080	*2,510	1,320	*1,800	930		
	kg		*1,600	*1,600	*1,770	940	*1,140	590	*810	420		
-5' (-1.5 m)	lb		*4,990	4,440	*3,520	2,100	*2,330	1,320	1,620	940		
	kg		*2,260	2,010	*1,590	950	*1,050	600	730	430		
-7.5' (-2.3 m)	lb		*4,610	4,580	*2,620	2,170						
	kg		*2,090	2,070	*1,180	980						



E50B Dimensions, Weights & Bucket Selection Chart

DIMENSIONS				
	ARM LENGTH ft (m)		Standard Arm	Optional Arm
	BOOM LENGTH ft (m)			
A. Overall length	17' 2"	(5.23)	17' 10"	(5.44)
B. Overall width (with 250 mm shoe)	6' 5"	(1.96)	6' 5"	(1.96)
C. Basic machine length	9' 7"	(2.91)	9' 7"	(2.91)
D. Overall height (to top of canopy)*	8' 6"	(2.60)	8' 6"	(2.60)
E. Ground clearance of rear end*	2' 1"	(0.635)	2' 1"	(0.635)
F. Center distance of tumbler	6' 6"	(1.97)	6' 6"	(1.97)
G. Overall length of crawler	8' 2"	(2.48)	8' 2"	(2.48)
H. Crawler height at tumbler center*	1' 10"	(0.57)	1' 10"	(0.57)
I. Track gauge	5' 1"	(1.56)	5' 1"	(1.56)
J. Width of crawler shoe	15.7"	(0.40)	15.7"	(0.40)
K. Ground clearance of undercarriage*	1' 2"	(0.345)	1' 2"	(0.345)
L. Tail swing radius	3' 3"	(0.98)	3' 3"	(0.98)
* Excludes height of grouser bar				

BUCKET SELECTION								
Bucket Duty	Capacity (SAE)		Width		Bucket Weight		Standard Arm, ft-in (m)	Optional Arm, ft-in (m)
	yd ³	(m ³)	in	(m)	lb	(kg)	5' 1" (1.56)	6' 2" (1.87)
HEAVY DUTY	2.13	(0.85)	12	(.305)	280	(127.0)	H	H
	4.50	(0.13)	18	(.457)	310	(140.6)	H	M*
	6.30	(0.23)	24	(.610)	345	(156.5)	L	L
	9.80	(0.36)	36	(.914)	405	(183.7)	L*	L*

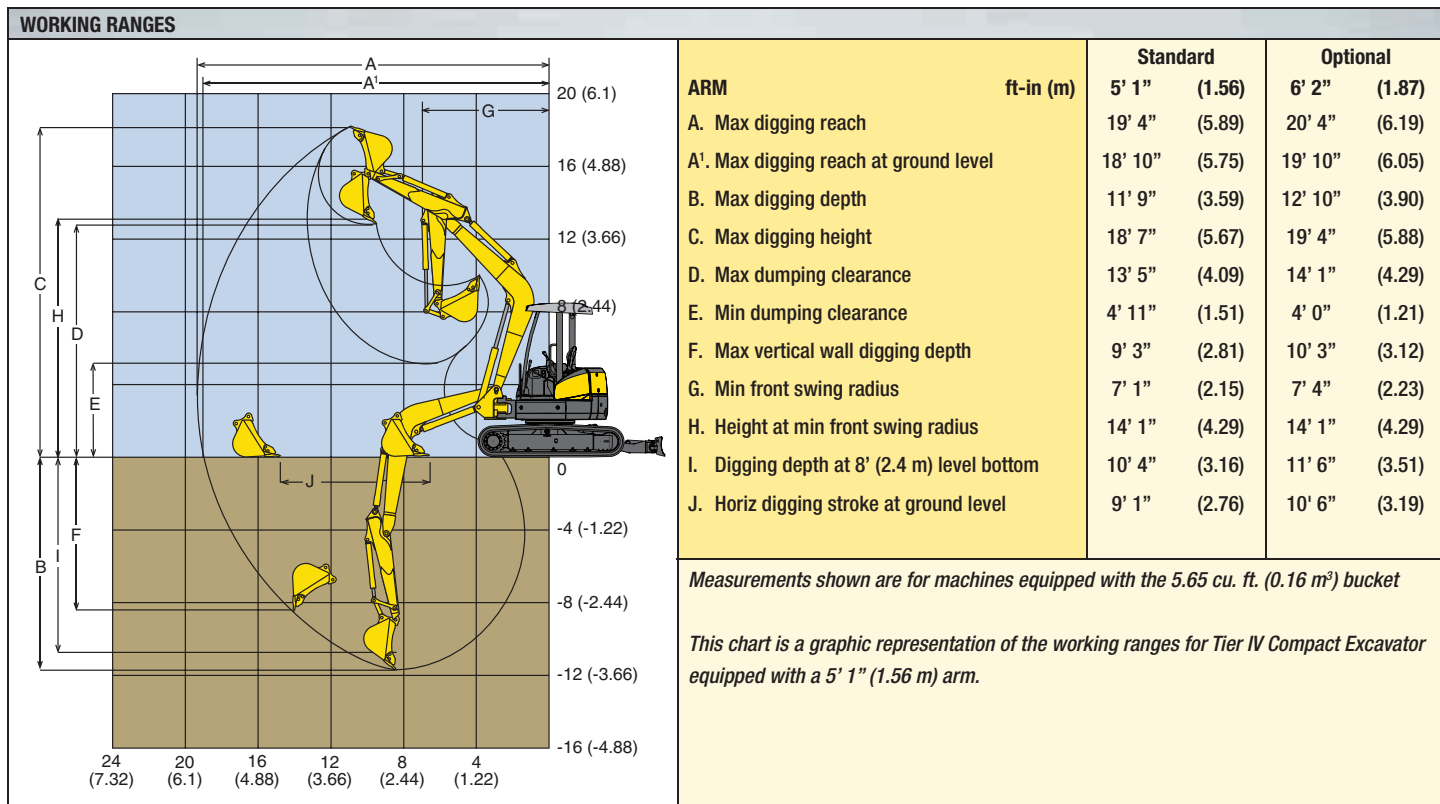
HYDRAULIC SYSTEM	
Hydraulic pump type	Tandem inline variable displacement
Pump	2 VP + 1 FG
Max. discharge flow, US gal/min (l/min)	2 x 15.08 (2 x 57.1)
Dozer/slew pump, US gal/min (l/min)	1 x 8.93 (33.8)
Operating pressure:	
Implement, psi (MPa)	3,336 (23.0)
Travel, psi (MPa)	3,336 (23.0)
Swing, psi (MPa)	3,191 (22.0)
Dozer circuit, psi (MPa)	3,191 (22.0)
Pilot control circuit, psi (MPa)	508 (3.5)
Control valves (directional)	11-spool valve

WEIGHTS & MEASURES		
ARM	Standard	Optional
Operating weight with bucket, lb (kg)	10,274 (4,660)	10,340 (4,735)
Bucket weight, lb (kg)	245 (111)	196 (89)
Base machine weight, lb (kg)	10,029 (4,549)	10,144 (4,646)
Bucket capacity range (SAE heaped), cu ft (m ³)	5.65 (.16)	3.20 (0.09)
Standard shoe width, in (mm)	15.7 (400)	15.7 (400)
Ground pressure, psi (kPa)	3.92 (27.03)	3.95 (27.2)

H - Used with material weight up to 3,000 lbs/cu yd (1,780 kg/m³)
L - Used with material weight up to 2,000 lbs/cu yd (1,186 kg/m³)
M - Used with material weight up to 2,500 lbs/cu yd (1,483 kg/m³)
X - Not recommended
All configurations at 10' (3.0 m) Load Radius (Ground Level)
* Heavy optional counterweight required



E50B Specifications



PERFORMANCE	
Travel speed (turtle), mph (km/h)	1.74 (2.80)
Travel speed (rabbit), mph (km/h)	2.86 (4.60)
Swing speed, rpm	8.8
Gradeability, degrees (%)	30 (58)
Drawbar pulling force, lb (kN)	12,185 (54.2)
Swing Torque, ft-lbs (kN•m)	966 (1.31)

ENGINE	
Make and model	YANMAR 4TNV88-BXYB
Type	Water-cooled, 4-cylinder, 4-cycle direct injection diesel engine.
Displacement, cu in (l)	133.6 (2,189)
Bore, in (mm)	3.47 (88)
Stroke, in (mm)	3.54 (90)
Fuel tank capacity, gal (l)	14 (53)
Electrical system, volts (amperes)	12 (55)
Horsepower SAE NET, hp (kW) @ rpm	39.3 @ 2,400 (29.3 @ 2,400)
Max. torque, lbf-ft (N•m)	96.84 @ 1,440 (131.3 @ 1,440)

4-WAY BLADE OPTION - DIMENSIONS	
Blade height, in (mm)	14 (345)
Blade width, ft-in (mm)	6' 5" (1.96)
Max. lift height, ft-in (mm)	1' 8" (514)
Max. dig depth, ft-in (mm)	1' 6" (452)
Left/right angle, degrees	23

SHIPPING DIMENSIONS (w/4-way blade)			
ARM	ft-in (m)	Standard	Optional
Overall excavator height – canopy	8' 6" (2.60)	5' 1" (1.56)	6' 2" (1.87)
Overall excavator height – cab	8' 6" (2.60)	5' 1" (1.56)	6' 2" (1.87)
Length – blade rearward	19' 7" (5.98)	5' 1" (1.56)	6' 2" (1.87)

BREAKOUT FORCES			
ARM	ft-in (m)	Standard	Optional
Arm breakout force, SAE lbf (kN)	5,823 (25.1)	5' 1" (1.56)	6' 2" (1.87)
Arm breakout force, ISO lbf (kN)	5,958 (26.5)	5' 1" (1.56)	6' 2" (1.87)
Bucket breakout force, SAE lbf (kN)	11,128 (49.5)	5' 1" (1.56)	6' 2" (1.87)
Bucket breakout force, ISO lbf (kN)	11,424 (50.8)	5' 1" (1.56)	6' 2" (1.87)

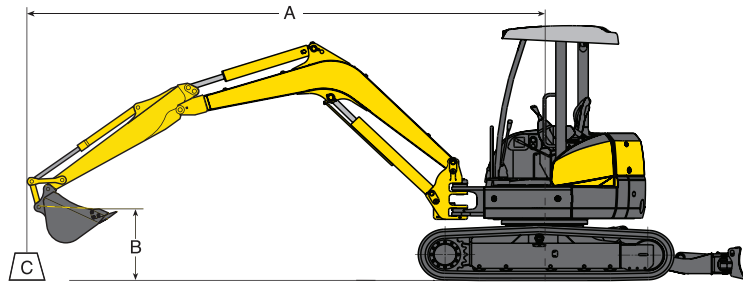
UNDERCARRIAGE	
Track overall length, ft-in (m)	8' 2" (2.48)
Track overall width w/std. shoe, ft-in (m)	6' 5" (1.96)
Standard track shoe, in (mm)	15.7 (400)
Ground clearance-undercarriage, in (mm)	14 (345)

SHIPPING DIMENSIONS			
ARM	ft-in (m)	Standard	Optional
Overall excavator height – canopy	8' 6" (2.6)	5' 1" (1.56)	6' 2" (1.87)
Overall excavator height – cab	8' 6" (2.6)	5' 1" (1.56)	6' 2" (1.87)
Width w/std. shoe	6' 5" (1.96)	5' 1" (1.56)	6' 2" (1.87)
Length	17' 2" (5.23)	5' 1" (1.56)	6' 2" (1.87)

REFILL CAPACITIES	
Fuel tank capacity, gal (l)	14 (53)
Hydraulic oil reservoir, gal (l)	11.1 (42)
Hydraulic system including oil reservoir, gal (l)	16.6 (63)
Cooling system, gal (l)	1.59 (6)
Lubrication: engine oil, gal (l)	1.96 (7.4)

DOZER BLADE	
Blade height, in (mm)	14 (345)
Blade width, ft-in (mm)	6' 5" (1,960)
Max. lift height, ft-in (mm)	1' 8" (495)
Max. dig depth, ft-in (mm)	1' 3" (375)
Angle of approach, degrees	38

E50B Lift Capacities — with canopy



- 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: 3,336 psi (235 kg/cm²)
 - Track shoe: 15.7" (400 mm) rubber
 - Boom: 9' 2" (2.79 m)
 - Bucket weight: 245 lbs. (112 kg)



Rating over front



Rating over side / 360 degrees

LIFTING CAPACITY — 16" (400 mm) rubber shoe. Based on machine equipped with — Canopy: Standard arm: 5' 1" (1.56 m) Bucket: SAE heaped 5.65 cu. ft. (0.16 m³), dozer blade down.

A		LOAD RADIUS									
		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)		15.0' (4.6 m)	
B	C										
12.5' (3.8 m)	lb							1,930	1,690		
	kg							870	760		
10' (3.0 m)	lb							2,050	1,660	2,120	1,180
	kg							930	750	960	530
7.5' (2.3 m)	lb					2,720	2,340	2,410	1,600	2,250	1,150
	kg					1,230	1,060	1,090	720	1,020	520
5' (1.5 m)	lb			6,180	3,400	3,750	2,160	2,900	1,510	2,490	1,100
	kg			2,800	1,540	1,700	980	1,310	680	1,130	500
2.5' (0.8 m)	lb			4,940	3,110	4,640	2,010	3,360	1,430	2,730	1,060
	kg			2,240	1,410	2,100	910	1,520	640	1,240	480
Ground Level	lb	3,330	3,330	5,840	3,050	5,100	1,930	3,670	1,370	2,880	1,030
	kg	1,510	1,510	2,650	1,380	2,310	870	1,660	620	1,300	460
-2.5' (-0.8 m)	lb	5,220	5,220	7,800	3,050	5,130	1,900	3,720	1,350	2,840	1,020
	kg	2,370	2,370	3,530	1,380	2,320	860	1,690	610	1,290	460
-5' (-1.5 m)	lb	7,310	6,980	6,950	3,100	4,720	1,920	3,420	1,360		
	kg	3,310	3,160	3,150	1,410	2,140	870	1,550	610		
-7.5' (-2.3 m)	lb	9,340	7,190	5,370	3,210	3,670	1,990				
	kg	4,230	3,260	2,430	1,450	1,660	900				

LIFTING CAPACITY — 16" (400 mm) rubber shoe. Based on machine equipped with — Cab: Standard arm: 5' 1" (1.56 m) Bucket: SAE heaped 5.65 cu. ft. (0.16 m³), dozer blade down.













A		LOAD RADIUS									
		5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)		15.0' (4.6 m)	
B	C										
10' (3.0 m)	lb									2,120	1,220
	kg									960	550
7.5' (2.3 m)	lb							2,410	1,650	2,260	1,190
	kg							1,090	750	1,020	540
5' (1.5 m)	lb			6,180	3,510	3,750	2,240	2,900	1,560	2,490	1,150
	kg			2,800	1,590	1,700	1,010	1,310	710	1,130	520
2.5' (0.8 m)	lb			4,940	3,220	4,650	2,080	3,360	1,480	2,730	1,100
	kg			2,240	1,460	2,100	940	1,520	670	1,238	500
Ground Level	lb	3,330	3,330	5,840	3,160	5,100	2,000	3,670	1,420	2,880	1,070
	kg	1,510	1,510	2,650	1,430	2,310	900	1,660	640	1,310	480
-2.5' (-0.8 m)	lb	5,220	5,220	7,800	3,170	5,130	1,970	3,720	1,400	2,850	1,060
	kg	2,370	2,370	3,530	1,430	2,320	890	1,690	630	1,290	480
-5' (-1.5 m)	lb	7,310	7,220	6,950	3,220	4,720	1,990	3,420	1,410		
	kg	3,310	3,270	3,150	1,460	2,140	900	1,550	640		
-7.5' (-2.3 m)	lb	9,340	7,420	5,370	3,320	3,670	2,070				
	kg	4,230	3,360	2,430	1,500	1,660	930				

Notes:

- 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.
- 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.
- Ratings at bucket lift hook.
- 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.
- 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.
- Capacities apply only to the machine as originally manufactured and normally equipped by New Holland Construction Machinery America LLC.

E50B

LIFTING CAPACITY – 16" (400 mm) rubber shoe. Based on machine equipped with – Canopy: Optional arm: 6' 2" (1.87 m) Bucket: SAE heaped 3.20 cu. ft. (0.09 m³), dozer blade down.

B	A	C	LOAD RADIUS											
			5' (1.5 m)		7.5' (2.3 m)		10' (3.0 m)		12.5' (3.8 m)		15.0' (4.6 m)		17.5' (5.3 m)	
														
15'	lb								*1,730	1,690				
(4.6 m)	kg								780	760				
12.5'	lb								*1,560	*1,560	*1,840	1,190		
(3.8 m)	kg								*710	*710	*830	530		
10'	lb								*1,710	1,670	*1,830	1,180		
(3.0 m)	kg								*770	760	*830	530		
7.5'	lb								2,080	1,600	*2,010	1,140	*1,760	830
(2.3 m)	kg								940	720	*910	510	*750	370
5'	lb				*4,950	*3,530	*3,240	2,190	*2,600	1,500	*2,280	1,090	*2,110	810
(1.5 m)	kg				*2,240	*1,600	*1,470	990	*1,170	680	*1,030	490	*950	360
2.5'	lb				*8,270	3,140	*4,260	2,010	*3,120	1,410	*2,560	1,030	*2,230	780
(0.8 m)	kg				*2,840	1,420	*1,930	910	*1,410	640	*1,160	470	*1,010	350
Ground	lb		*2,960	*2,960	*5,810	2,990	*4,900	1,890	*3,510	1,340	*2,770	990		
Level	kg		*1,340	*1,340	*2,830	1,350	*2,220	860	*1,590	600	*1,250	450		
-2.5'	lb		*4,500	*4,500	*7,140	2,970	*5,090	1,840	*3,670	1,300	*2,840	970		
(-0.8 m)	kg		*2,040	*2,040	*3,240	1,340	*2,310	830	*1,660	590	*1,290	440		
-5'	lb		*6,240	*6,240	*7,370	3,000	*4,880	1,850	*3,540	1,300				
(-1.5 m)	kg		*2,830	*2,830	*3,340	1,360	*2,210	830	*1,600	590				
-7.5'	lb		*8,350	6,940	*6,130	3,080	*4,150	1,900	*2,880	1,340				
(-2.3 m)	kg		*3,780	3,150	*2,780	1,390	*1,880	860	*1,300	610				
-10'	lb		*6,180	*6,180	*3,620	3,260								
(-3.0 m)	kg		*2,800	*2,800	*1,640	1,480								



E18B E27B E35B E50B Base & Optional Equipment

STANDARD EQUIPMENT

- "Zero tail swing" counterweight does not extend beyond tack width when swung over either side of excavator (**E18B** is "Zero Tail Swing" with tracks expanded)
- 12V electrical starting system – includes heavy duty battery and starting motor
- Adjustable, cushioned and weatherproof seat
- Air cleaner with indicator for replacement
- Arm rests (two)
- Boom swing switch
- Combined one-way or two-way auxiliary hydraulics with piping and hand controls
- Control panel includes key start switch, fuel level and coolant temperature gauges, engine oil pressure lamp, coolant temperature lamp, battery charge lamp, low fuel warning lamp, air cleaner restriction lamp, high travel speed lamp and hour meter
- Cup holder
- Electric horn w/switch
- Emergency engine shutoff switch
- Engine decel switch
- Fuel tank w/drain plug
- Full hydrostatic drive system (2 axial piston motors)
- Glow plugs starting aid
- Hinged engine and hydraulic system covers
- Hydraulic dozer blade w/raise/lower lever
- Hydraulic filter change/access
- Hydraulic lockout lever
- Hydraulic oil tank and filter
- Hydraulic tank site gauge
- Hydraulic track width adjustment – **E18B**
- Hydraulically operated fixed-width dozer blade (expandable blade on **E18B**)
- Integrated counter weight design
- Operator control pattern changer (ISO/TLB)
- Parking brake automatically applied and released
- Pilot operated wrist controls and foot pedals
- Removable engine access cover below operator's seat
- Removable/replaceable rubber floor mat
- ROPS/FOPS 3 post canopy
- Rubber tracks
- Seat belt
- Selector valve switch for nibbler or breaker
- Storage compartment (behind operator's seat)
- Swing lock (pin type) mechanism – **E18B**
- Swing parking break – **E27B/E35B/E50B**
- Track tension adjuster (grease type)
- Travel alarm selector switch
- Two axial piston pumps
- Two joystick lever controls for boom, arm, bucket and swing
- Two-speed travel with switch on travel lever
- Warning screens alert you to temperature and pressure status
- Water separator w/drain

OPTIONAL EQUIPMENT*

- Cab with A/C system, heater, wiper/washer and switch, work lamp, emergency exit hammer, door release, dome light and tinted windows – **E35B/E50B**
- Cab for **E27B** includes heater, wiper/washer and switch, work lamp, emergency exit hammer, door release, dome light and tinted windows
- Werk Brau buckets
- Long arm (available for each model)
- Steel tracks
- 4-way adjustable dozer blade – **E35B/E50B**
- Additional counter weights available for each model

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

4-WAY ADJUSTABLE DOZER BLADE (Optional)





COMPACT EXCAVATORS

E18B

Operating Weight
3,638 lbs (1,650 kg)

NET Horsepower
15.2 hp (11.3 kW) @ 2,200 rpm

Max Digging Depth
7' 1" (2.15 m)

Bucket Breakout Force
(SAE) 2,900 lbf (12.9 kN)

E27B

Operating Weight
5,556 lbs (2,520 kg)

NET Horsepower
21.6 hp (15.9 kW) @ 2,200 rpm

Max Digging Depth
8' 4" (2.54 m)

Bucket Breakout Force
(SAE) 6,341 lbf (28.2 kN)

E35B

Operating Weight
7,959 lbs (3,610 kg)

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

Max Digging Depth
10' 1" (3.08 m)

Bucket Breakout Force
(SAE) 8,430 lbf (37.5 kN)

E50B

Operating Weight
10,274 lbs (4,660 kg)

NET Horsepower
39.3 hp (29.3 kW) @ 2,400 rpm

Max Digging Depth
11' 9" (3.59 m)

Bucket Breakout Force
(SAE) 11,128 lbf (50.0 kN)

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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.

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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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