NEW HOLLAND

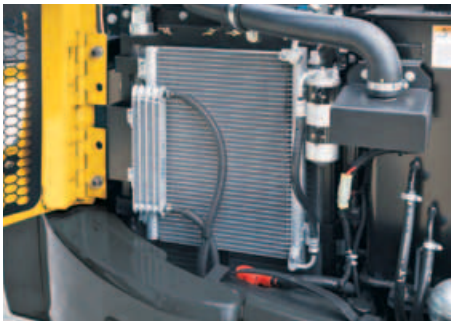
E55Bx
COMPACT EXCAVATOR

Preliminary Brochure

NEW HOLLAND CONSTRUCTION

BUILT AROUND YOU


NEW HOLLAND
E55



More Versatility and Power in Tight Areas

The new E55Bx compact excavator is built around you for unprecedented on-the-job performance. With superior lifting capacities and a longer swing radius than competitive machines, the new short-radius E55Bx is more stable, lifts bigger loads and gets jobs done faster.

- Quality construction and components ensure reliability in tough working conditions. Features include a tough boom and arm, thick, cast-iron swing bracket and a strong cab structure.
- Excellent visibility and a clear view to the sides and rear make operators more confident and efficient.
- The wide cab makes operators more comfortable with outstanding cooling performance, an easy-to-read control panel and plenty of leg room. A newly installed accumulator allows you to easily lower attachments to the ground in the event of an emergency engine shut-down.
- Wide-open service compartments are easy to access for quick daily maintenance checks. The electrical compartment is located under the seat for easy access.

Whether you work in construction, demolition or landscaping, the lifting, digging, loading and dozing performance of the versatile new E55Bx will save you time and money.

ENGINE	
Model	Yanmar 4TNV88 BXPYBD
Cylinders	4
Bore/Stroke, in (mm)	3.46 x 3.54 (88 x 90)
Displacement, in^3 (L)	133.5 (2.2)
Fuel injection	Direct
Fuel injection pump	Mechanical
Fuel	Diesel
Fuel filter	Full flow, paper element
Cooling	Liquid
Horsepower per SAE J1349, Net hp (kW)	39 (29) @ 2400 rpm
Maximum torque @ 1440 rpm, Net lbf (N•m)	97 (131)

BOOM/ARM	
Boom	
Swing, degrees	70 left / 60 right
Length, ft in (m)	9’ 6” (2.89)
Arm	
Length, ft in (m)	5’ 6.5” (1.66)

UNDERCARRIAGE	
Number of rollers	
Top, each track	1
Bottom, each track	5
Gradeability, percent (degrees)	58 (30)
Drawbar Pull, lbf (kN)	12,409 (55.2)

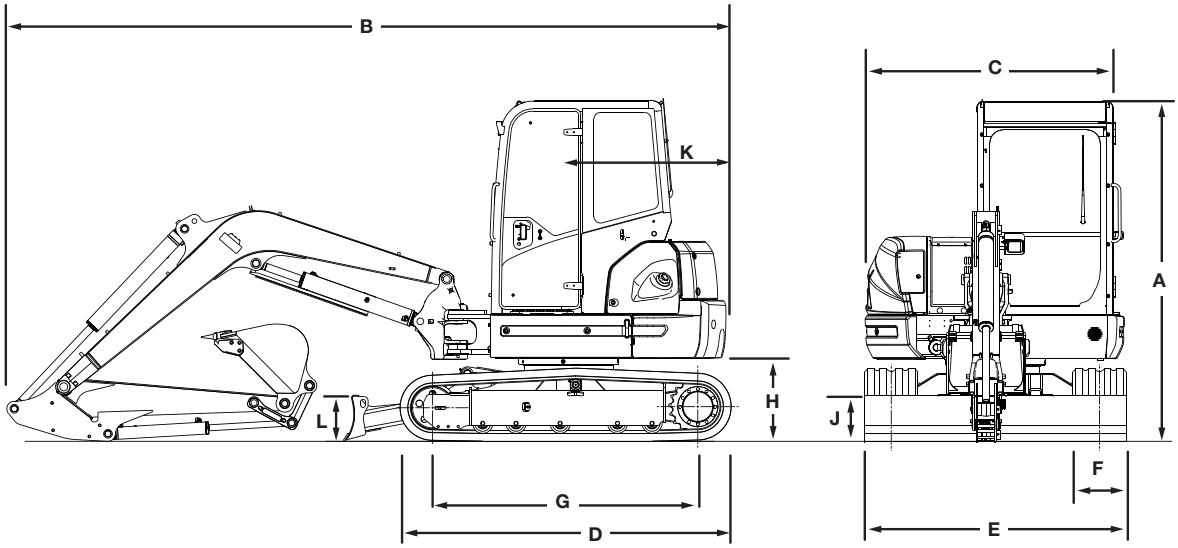
HYDRAULICS	
Pumps	Tandem variable displacement axial piston pump
Capacity – Maximum, gpm (L/min)	2 x 15 (2 x 57.1)
Auxiliary Flow, gpm (L/min)	15 (57.1)
System relief pressure – Standard, psi (MPa)	3,336 (23.0)
Pilot control hydraulic system	
Pump (1)	Gear pump
Maximum capacity, gpm (L/min)	4 (15.2)
Relief pressure, psi (MPa)	514 (3.5)
Control valves – 11 spool	Pilot control for left/right track travel, boom, arm, bucket & swing Manual control for breaker & backfill blade
Swing/Dozer blade	
Motor (1)	Fixed displacement axial piston design
Speed, rpm	0-8.9
Brake	Hydraulic Brake
Tail swing radius, ft in (mm)	4’ 2” (1280)
Tail swing overhang, ft in (mm)	0’ 11.7” (299)
Travel	
Motor (2)	Two-speed axial piston design
Final drive	Planetary gear reduction
Travel speeds – forward/reverse	
Low, mph (km/h)	1.7 (2.7)
High, mph (km/h)	2.9 (4.6)

ELECTRICAL	
Voltage	12 volts, negative ground
Alternator, amp	40
Batteries (1) 12V	Low-maintenance

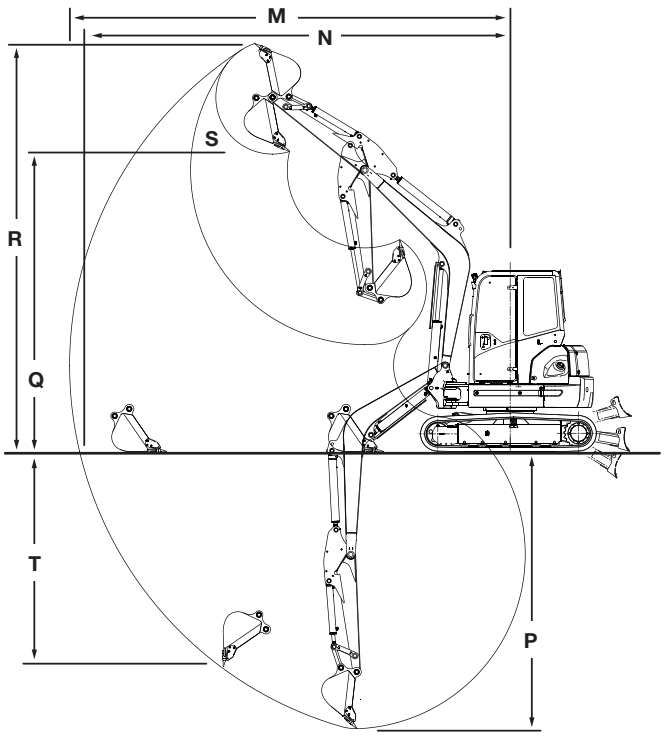
SERVICE CAPACITIES	
Hydraulic tank	
Refill capacity, gal (L)	9 (34)
Total system, gal (L)	16 (61)
Engine oil w/filter change, gal (L)	2 (7.4)
Fuel, gal (L)	19.8 (75)
Radiator, gal (L)	1.6 (6.0)

OPERATING WEIGHT	
With 551 lb (250 kg) counterweight, 165 lb (75 kg) operator, 247 lb (112 kg) bucket, full fuel and standard equipment, lb (kg)	12,295 (5577)

HYDRAULIC CYLINDERS	
Boom cylinder (1)	
Bore diameter, in (mm)	3.94 (100)
Rod diameter, in (mm)	2.17 (55)
Stroke, in (mm)	26.8 (680)
Arm cylinder (1)	
Bore diameter, in (mm)	3.54 (90)
Rod diameter, in (mm)	1.97 (50)
Stroke, in (mm)	28.9 (735)
Bucket cylinder (1)	
Bore diameter, in (mm)	2.95 (75)
Rod diameter, in (mm)	1.57 (40)
Stroke, in (mm)	21.4 (543)

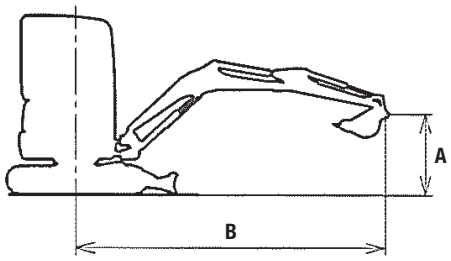


DIMENSIONS	
A. Overall height, ft in (m)	8’4” (2.55)
B. Overall length, ft in (m)	17’ 10” (5.42)
C. Width of upperstructure, ft in (m)	6’ 4” (1.94)
D. Track overall length, ft in (m)	8’ 1” (2.48)
E. Track overall width w/15.7 in (400 mm) shoes, ft in (m)	6’ 5” (1.96)
F. Track shoe width, in (mm)	15.7” (400)
G. Center to center (idler to sprocket), ft in (m)	6’ 6” (1.90)
H. Upperstructure ground clearance, in (mm)	24.5” (625)
J. Minimum ground clearance, ft in (mm)	1’ 2” (350)
K. Tail swing radius, ft in (mm)	4’ 2” (1280)
L. Backfill blade height, ft in (mm)	1’ 2” (345)
Working weight, lb (kg)	12,181 (5525)
Ground pressure, psi (kPa)	4.5 (31.3)
Boom swing, degrees	Left 70 / Right 60
Tail swing overhang, ft in (mm)	0’ 11.7” (299)



PERFORMANCE SPECS	
ft in (m) Arm	**5’ 6.5” (1.66)**
M. Maximum dig radius, ft in (m)	20’ 5” (6.22)
N. Dig radius at groundline, ft in (m)	19’ 11” (6.07)
P. Maximum dig depth, ft in (m)	12’ 10” (3.91)
Q. Dump height, ft in (m)	13’ 10” (4.20)
R. Overall reach height, ft in (m)	18’ 11” (5.76)
S. Bucket rotation, degrees	178
T. Vertical straight wall dig depth, ft in (m)	10’ 0.5” (3.06)
Arm breakout force, ISO lbf (kN)	5,598 (24.9)
Bucket breakout force, 2 position bucket, ISO lbf (kN)	11,240 (50)

LIFTING CAPACITIES



A Reach of swing centerline to bucket hook
B Bucket hook height above/below ground
C Lifting capacities in pounds and kilograms

Rating over front Rating over side / 360 degrees

CANOPY 5 ft 6.5 in (1.66 m) Arm *Lift capacities calculated using 15.7 in (400 mm) shoes, 247 lb (112 kg) bucket, blade down.*

		LIFT LOAD RADIUS											
	A	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)	
B	C												
15' (4.6 m)	**lb** kg							***1,800** *810	***1,800** *810				
12.5' (3.8 m)	**lb** kg							***1,640** *740	***1,640** *740	***1,860** *840	**1,740** 780		
10' (3.0 m)	**lb** kg							***1,830** *830	***1,830** *830	**1,850** *830	**1,750** 790		
7.5' (2.3 m)	**lb** kg			***3,840** *1,740	***3,840** *1,740	***2,670** *1,210	***2,670** *1,210	***2,230** *1,010	***2,230** *1,010	***2,030** *920	**1,710** 770		
5' (1.5 m)	**lb** kg					***3,730** *1,690	**3,140** 1,420	***2,740** *1,240	**2,230** 1,010	***2,280** *1,030	**1,660** 750	***2,060** *930	**1,280** 580
2.5' (0.8 m)	**lb** kg					***4,550** *2,060	**2,980** 1,350	***3,190** *1,440	**2,140** 970	***2,530** *1,140	**1,620** 730	***2,160** *970	**1,260** 570
Ground Level	**lb** kg			***3,710** *1,680	***3,710** *1,680	***4,910** *2,220	**2,900** 1,310	***3,480** *1,570	**2,080** 940	***2,700** *1,220	**1,580** 710		
-2.5' (-0.8 m)	**lb** kg	***4,130** *1,870	***4,130** *1,870	***5,940** *2,690	**4,630** 2,100	***4,910** *2,220	**2,890** 1,310	***3,550** *1,610	**2,060** 930	***2,710** *1,220	**1,570** 710		
-5' (-1.5 m)	**lb** kg	***6,320** *2,860	***6,320** *2,860	***6,730** *3,050	**4,700** 2,130	***4,570** *2,070	**2,920** 1,320	***3,330** *1,510	**2,070** 930				
-7.5' (-2.3 m)	**lb** kg	***9,150** *4,150	***9,150** *4,150	***5,450** *2,470	**4,810** 2,180	***3,750** *1,700	**2,990** 1,350						
-10' (-3.0 m)	**lb** kg			***2,670** *1,210	***2,670** *1,210								

CAB 5 ft 6.5 in (1.66 m) Arm *Lift capacities calculated using 15.7 in (400 mm) shoes, 247 lb (112 kg) bucket, blade down.*

		LIFT LOAD RADIUS											
	A	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)	
B	C												
15' (4.6 m)	**lb** kg							***1,800** *810	***1,800** *810				
12.5' (3.8 m)	**lb** kg							***1,640** *740	***1,640** *740	***1,860** *840	**1,810** 820		
10' (3.0 m)	**lb** kg							***1,830** *830	***1,830** *830	**1,850** *830	**1,810** 820		
7.5' (2.3 m)	**lb** kg			***3,840** *1,740	***3,840** *1,740	***2,670** *1,210	***2,670** *1,210	***2,230** *1,010	***2,230** *1,010	***2,030** *920	**1,780** 800		
5' (1.5 m)	**lb** kg					***3,730** *1,690	**3,250** 1,470	***2,740** *1,240	**2,310** 1,040	***2,280** *1,030	**1,730** 780	***2,060** *930	**1,340** 600
2.5' (0.8 m)	**lb** kg					***4,550** *2,060	**3,100** 1,400	***3,190** *1,440	**2,230** 1,010	***2,530** *1,140	**1,690** 760	***2,160** *970	**1,320** 590
Ground Level	**lb** kg			***3,710** *1,680	***3,710** *1,680	***4,910** *2,220	**3,020** 1,360	***3,480** *1,570	**2,170** 980	***2,700** *1,220	**1,650** 740		
-2.5' (-0.8 m)	**lb** kg	***4,130** *1,870	***4,130** *1,870	***5,940** *2,690	**4,810** 2,180	***4,910** *2,220	**3,010** 1,360	***3,550** *1,610	**2,150** 970	***2,710** *1,220	**1,640** 740		
-5' (-1.5 m)	**lb** kg	***6,320** *2,860	***6,320** *2,860	***6,730** *3,050	**4,880** 2,210	***4,570** *2,070	**3,030** 1,370	***3,330** *1,510	**2,160** 970				
-7.5' (-2.3 m)	**lb** kg	***9,150** *4,150	***9,150** *4,150	***5,450** *2,470	**4,990** 2,260	***3,750** *1,700	**3,110** 1,410						
-10' (-3.0 m)	**lb** kg			***2,670** *1,210	***2,670** *1,210								

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.

World Class Products Demand World Class Dealers

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NEW HOLLAND CONSTRUCTION

New Holland Construction Equipment is backed with a **1-Year/Unlimited Hour Standard Warranty.**

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THINK SAFETY

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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