

E37C

COMPACT EXCAVATOR

TIER 4 FINAL



Engine	
Model	Yanmar 3TNV88F-ESHYB
Emission certification	Tier 4 Final
Fuel	Diesel
Cylinders	3
Displacement	100.2 in. ³ (1642 cc)
Fuel Injection	Mechanical w/electronic governor
Gross horsepower	SAE J1995 @ 2200 RPM: 24.4 hp (18.2 kW)
Net horsepower	SAE J1349 @ 2200 RPM: 23.7 hp (17.7 kW)
Maximum engine torque @ 1200 RPM	69.4 lb. ft. (94.1 Nm)
Cooling	Water-cooled

Drivetrain	
Travel speeds:	
1st	1.6 mph (2.5 kph)
2nd	2.6 mph (4.2 kph)
Maximum traction force	6835 lb. (3100 kg)
Gradeability	30° (58%)
Ground pressure:	
Canopy	N/A
Cab	4.83 psi (0.34 kgf/cm ²)

Electrical	
Voltage	12 Volts
Alternator rating	55 amp
Battery	1 x 12 V x 70 Ah 750 CCA

Operator Weight	
Canopy operating weight:	
Short arm	7990 lb. (3625 kg)
Long arm w/additional counterweight	8350 lb. (3790 kg)
Cab operating weight:	
Short arm	8300 lb. (3765 kg)
Long arm w/additional counterweight	8660 lb. (3930 kg)

NOTE: w/rubber tracks/no quick coupler/bucket/fluids/full of fuel/165 lb. operator.

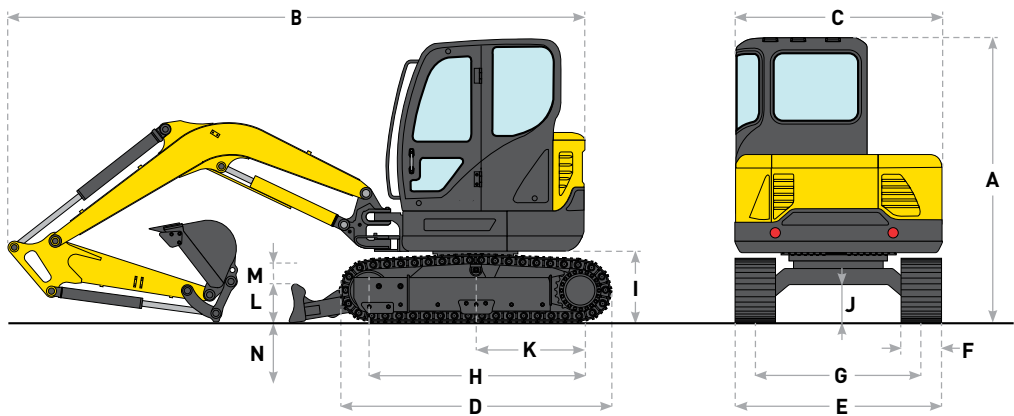
Operator Environment	
ROPS/FOPS four post canopy; ISO 6396:2008 sound pressure level LpA=75 dB (A); Pilot operated hand controls and foot pedals; Adjustable seat w/seat belt; Arm rests; 12V socket.	
Display includes:	
Engine oil pressure lamp; Water temperature lamp; Low fuel warning lamp; Battery charge lamp; Engine preheat lamp; Travel speed lamp; Air cleaner warning lamp; Hyd. quick coupler lock lamp; High travel speed lamp; Water temperature gauge; Fuel gauge; and Hour meter.	

Service Capacities	
Fuel tank	10.5 gal. (40 L)
Hydraulic tank:	
Refill capacity	9.8 gal. (37 L)
Total system	15.9 gal. (60 L)
Engine oil w/filter change	1.8 gal. (6.7 L)
Radiator	1.5 gal. (5.5 L)

Hydraulics	
Main pumps:	
Variable displacement tandem axial piston pump	
Max rated flow x 2	9.9 gpm (37.4 L/min)
Auxiliary flow @ 3277 psi (226 bar):	
Primary	16.0 gpm (60.5 L/min)
Secondary	16.0 gpm (60.5 L/min)
System relief pressure:	
Standard	3270 psi (230 bar)
Overload relief valve pressure	3560 psi (250 bar)
Pilot control hydraulic system:	
Pump	Gear pump
Maximum capacity	2.6 gpm (9.9 L/min)
Control valves:	
Pilot control for left/right track travel, boom, arm, bucket and swing	
Manual control for breaker and backfill blade	
Swing motor	Fixed displacement orbit axial piston motor
Travel motor:	
Variable displacement axial piston	
2-stage planetary	
Automatic spring applied hydraulic released brake	

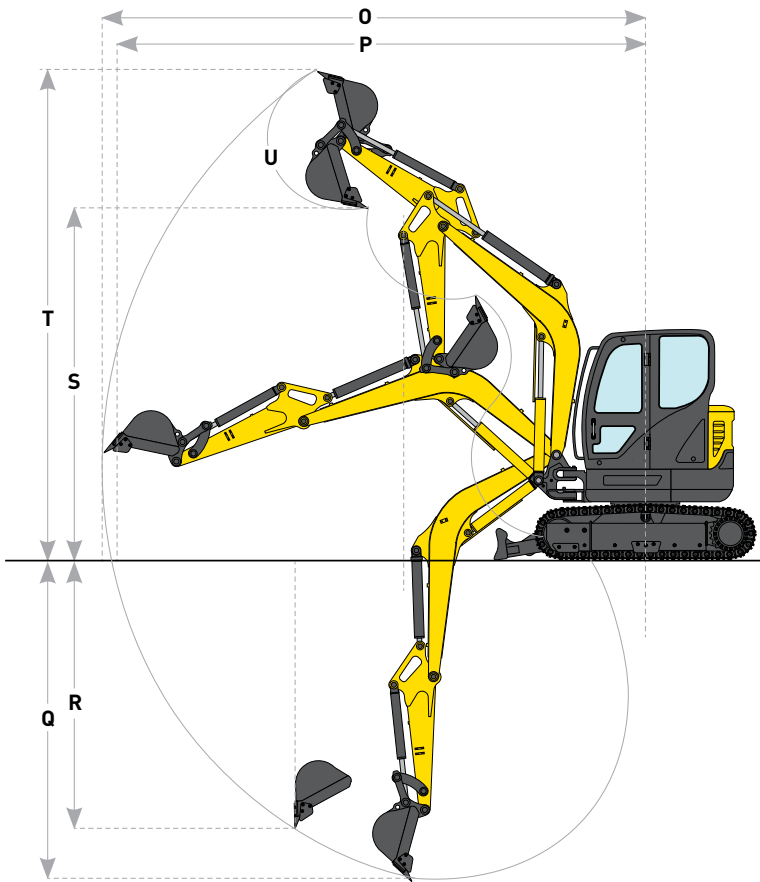
Other Specifications	
Swing speed	0 – 9.5 RPM
Undercarriage:	
Track rollers	1 upper / 4 lower each
Boom:	
Swing	75° left/50° right
Length	8 ft. 2 in. (2.5 m)
Arm:	
Standard length	4 ft. 3 in. (1.3 m)
Long arm length	5 ft. 3 in. (1.6 m)

E37C SPECIFICATIONS



Dimensions			
4 ft. 3 in. (1.3 m) Arm			
A	Overall height	ft. in. (mm)	8' 2" (2500)
B	Overall transport length	ft. in. (mm)	15' 9" (4790)
C	Width of upper structure	ft. in. (mm)	5' 0" (1530)
D	Track overall length	ft. in. (mm)	7' 0" (2130)
E	Track overall width	ft. in. (mm)	5' 9" (1740)
F	Track shoe width	in. (mm)	12 (300)
G	Track gauge	ft. in. (mm)	4' 9" (1440)
H	Center to center - idler to sprocket	ft. in. (mm)	5' 7" (1700)
I	Upper structure ground clearance	ft. in. (mm)	1' 9" (540)
J	Minimum ground clearance	in. (mm)	11 (290)
K	Tail swing radius:		
	Standard counterweight	ft. in. (mm)	2' 10" (870)
	Additional counterweight	ft. in. (mm)	3' 3" (985)
	Boom swing	degrees	75 left/50 right
	Tail swing overhang:		
	Standard counterweight	in. (mm)	0 (0)
	Additional counterweight	in. (mm)	5 (125)

Blade Specs				
			Standard Blade	Angle Blade
L	Backfill blade height	ft. in. (mm)	1' 3" (380)	1' 4" (407)
M	Backfill blade rise above ground	ft. in. (mm)	1' 3" (380)	1' 5" (440)
N	Backfill blade dig depth	ft. in. (mm)	1' 3" (380)	1' 5" (440)
	Backfill blade width	ft. in. (mm)	5' 9" (1740)	5' 9" (1740)



Performance Specs				
			4 ft. 3 in. (1.3 m) Arm	5 ft. 3 in. (1.6 m) Arm
O	Maximum dig radius	ft. in. (mm)	17' 5" (5315)	18' 5" (5605)
P	Dig radius at groundline	ft. in. (mm)	17' 1" (5200)	18' 0" (5495)
Q	Maximum dig depth	ft. in. (mm)	10' 3" (3135)	11' 3" (3440)
R	Vertical straight wall dig depth	ft. in. (mm)	7' 2" (2190)	8' 5" (2565)
S	Dump height	ft. in. (mm)	11' 3" (3425)	11' 10" (3615)
T	Overall reach height	ft. in. (mm)	15' 9" (4810)	16' 7" (5010)
U	Bucket rotation	degrees	180	180
	Arm digging force - ISO	lbf (kfg/kN)	4390 (1990/19.5)	3800 (1720/16.9)
	Bucket digging force - ISO	lbf (kfg/kN)	6900 (3130/30.7)	6900 (3130/30.7)

Line drawings are for illustrative purpose only and may not be exact representation of unit

Lift Capacities

E37C Standard Arm Lift

8 ft. 2 in. (2.5 m) Boom, 4 ft. 3 in. (1.3 m) Arm, Dozer Blade Down

Canopy unit equipped with 0.11 m³ (SAE heaped) bucket, 12 in. (300 mm) rubber track and 900 lb. (410 kg) counterweight.

Load/Lift point height		Load Radius								At Maximum Reach		
		3 ft. (1.0 m)		7 ft. (2.0 m)		10 ft. (3.0 m)		13 ft. (4.0 m)		Reach	Capacity	
		end	side	end	side	end	side	end	side	⌀	end	side
+10 ft. (3.0 m)	lb. (kg)									12 ft. 11 in. (3.94 m)	1170* (530)*	1070 (490)
+7 ft. (2.0 m)	lb. (kg)					1380* (630)*	1380* (630)*	1210* (550)*	1020 (460)	14 ft. 7 in. (4.45 m)	1190* (540)*	830 (380)
+3 ft. (1.0 m)	lb. (kg)					1990* (900)*	1540 (700)	1400* (640)*	970 (440)	15 ft. 3 in. (4.64 m)	1240* (560)*	750 (340)
Groundline	lb. (kg)			2990* (1320)*	2550 (1130)	2410* (1090)*	1440 (650)	1570* (710)*	920 (420)	14 ft. 11 in. (4.55 m)	1320* (600)*	750 (340)
-3 ft. (-1.0 m)	lb. (kg)	3840* (1740)*	3840* (1740)*	4330* (1960)*	2800 (1270)	2390* (1090)*	1410 (640)	1520* (690)*	910 (410)	13 ft. 8 in. (4.17 m)	1400* (640)*	860 (390)
-7 ft. (-2.0 m)	lb. (kg)	5680* (2580)*	5680* (2580)*	3190* (1450)*	2980 (1310)	1840* (830)*	1460 (660)			11 ft. 0 in. (3.36 m)	1470* (670)*	1230 (560)

Lift Capacities

E37C Long Arm Lift

8 ft. 2 in. (2.5 m) Boom, 5 ft. 3 in. (1.6 m) Arm, Dozer Blade Down

Canopy unit equipped with 0.11 m³ (SAE heaped) bucket, 12 in. (300 mm) rubber track and 1,235 lb. (560 kg) counterweight.

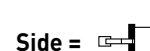
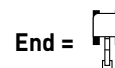
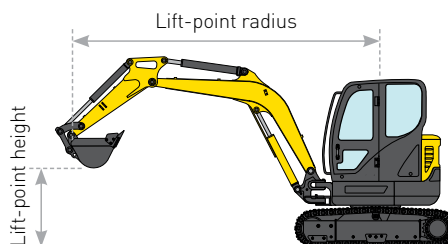
Load/Lift point height		Load Radius								At Maximum Reach		
		3 ft. (1.0 m)		7 ft. (2.0 m)		10 ft. (3.0 m)		13 ft. (4.0 m)		Reach	Capacity	
		end	side	end	side	end	side	end	side	⌀	end	side
+10 ft. (3.0 m)	lb. (kg)							970* (440)*	970* (440)*	14 ft. 2 in. (4.32 m)	970* (440)*	970* (440)*
+7 ft. (2.0 m)	lb. (kg)							1060* (480)*	1060* (480)*	15 ft. 8 in. (4.78 m)	940* (420)*	840 (380)
+3 ft. (1.0 m)	lb. (kg)			3710* (1680)*	3390 (1540)	1770* (800)*	1760 (800)	1290* (590)*	1110 (500)	16 ft. 3 in. (4.95 m)	990* (450)*	760 (350)
Groundline	lb. (kg)			3060* (1390)*	3060* (1390)*	2300* (1040)*	1630 (740)	1510* (680)*	1050 (470)	16 ft. 0 in. (4.87 m)	1140* (520)*	760 (350)
-3 ft. (-1.0 m)	lb. (kg)	3040* (1380)*	3040* (1380)*	4610* (2090)*	3090 (1400)	2420* (1100)*	1580 (720)	1560* (710)*	1020 (460)	14 ft. 10 in. (4.52 m)	1250* (570)*	850 (380)
-7 ft. (-2.0 m)	lb. (kg)	4610* (2090)*	4610* (2090)*	3720* (1690)*	3160 (1430)	2080* (940)*	1600 (730)			12 ft. 6 in. (3.81 m)	1340* (610)*	1120 (510)

NOTE: Lifting capacity are based on ISO 10567.

Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

The lift point is a hook located on the back of the bucket.

*Indicates load limited by hydraulic capacity.



E37C STANDARD EQUIPMENT

Engine
Yanmar 3TNV88F-ESHYB
Glow plug starting aid
Dry type air cleaner with restriction indicator

Electrical
12-volt electrical starting system
Heavy-duty battery
Battery master switch
Key start
Anti-Theft-Engine starting passwords
Front working light
Auto-idle feature with on/off switch
Horn
Pre-wired – Telematics ready

Hydraulics
Auxiliary hydraulics – single/bi-directional –and plumbing to arm
Large hydraulic oil cooler
Control pattern selector valve
Cylinder rod protection covers – Dozer, Boom

Track Drive
Rubber belt tracks
Automatic 2-speed travel
Fully hydrostatic drive system
Sealed and lubricated track rollers
Track tension adjustment – grease type

Upper Structure
Zero tail swing
Standard arm: 4 ft. 3 in (1.3 m)
Bucket linkage with lifting hook
Thumb bracket

Operator Environment
See page 1

Other
Swing boom – 75° left/50° right
Hydraulic backfill blade

Warranty
Base warranty coverage: 2-Year/3,000-Hour
Full Machine Limited Warranty

E37C OPTIONAL EQUIPMENT

Operator Environment
Cab with Heat and air conditioning and radio with USB and 2 speakers
Travel alarm

Track Options
Steel tracks 12 in. (300 mm)

Other
Additional counterweight adds 330 lb. (150 kg)
Optional long arm: 5 ft. 3 in. (1.6 m)
Hydraulic quick coupler provision
Hydraulic coupler
Klac coupler
Mechanical coupler
Hydraulic hammer
Beacon
2nd auxiliary circuit
Steel tracks
4-way angle with 25° Left / 25° Right offset: Adds 220 lb. (99.8 kg)



New Holland Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

Learn more at www.newholland.com

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www.newholland.com

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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. This is a one-person machine. Never allow riders in the cab, outside the machine, or in/on any bucket or attachment.

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