

ZX17U-5N SPECIFICATIONS

HITACHI

LANDCROS

Reliable Solutions

ENGINE	
Model	Yanmar 3TNV74F
Type	4-cycle water-cooled, vertical in-line special swirl combustion chamber injection
Aspiration	Natural
Aftertreatment	—
No. of cylinders	3
Rated power	
ISO 14396: Gross	15.2 hp (11.2 kW) at 2,400 rpm
ISO 9249: Net	14.7 hp (10.8 kW) at 2,400 rpm
Maximum torque	36.4 lbf-ft (49.4 Nm) at 1,800 min ⁻¹
Piston displacement	61 cu. in. (0.99 L)
Bore and stroke	2.9" x 3.0" (74 mm x 77 mm)
Batteries	1 x 12 V/36 Ah

HYDRAULIC SYSTEM	
Hydraulic Pumps	
Main pumps	Open-center with 2 variable-displacement pumps, 1 fixed-gear pump and 1 pilot pump
Maximum oil flow	2 x 5.1 gal/m (2 x 19.2 L/min)
Pilot pump	1 gear pump
Maximum oil flow	2.9 gal/m (10.8 L/min)
Auxiliary flow	7.9 gpm (30.0 L/min)
Auxiliary Pressure	2,495 psi (17.2 MPa)

Hydraulic Motors	
Travel	2 variable displacement axial piston motors
Swing	1 gear motor
Relief Valve Settings	
Implement circuit	2,987.8 psi (20.6 MPa)
Swing circuit	1,987.0 psi (13.7 MPa)
Travel circuit	2,987.8 psi (20.6 MPa)
Pilot circuit	594.7 psi (4.1 MPa)

Hydraulic Cylinders		Unit: in (mm)	
	Quantity	Bore	Rod diameter
Boom	1	2.4" (60)	1.4" (35)
Arm	1	2.2" (55)	1.2" (30)
Bucket	1	2.2" (55)	1.2" (30)
Blade	1	2.6" (65)	1.4" (35)
Boom swing	1	2.4" (60)	1.2" (30)

UPPERSTRUCTURE	
Swing Device	
Gear motor with planetary reduction gear is bathed in oil.	
Swing circle is single row.	
Swing parking brake is spring-set/hydraulic released disc type	
Swing speed	9.4 rpm
Swing torque	1,253.9 lbf-ft (1.7 kNm)
Max boom swing angle, left/right	70 degrees/50 degrees

UNDERCARRIAGE	
Tracks	
Tractor-type undercarriage. Welded track frame using selected materials. Side frame extended by cylinder span	
Upper rollers	0
Lower rollers	3
Travel Device	
Each track driven by 2-speed axial piston motor. Parking brake is spring-set/hydraulic-released disc type.	
Travel speeds	High: 0 to 2.6 mph (0 to 4.2 km/h) Low: 0 to 1.5 mph (0 to 2.4 km/h)
Maximum traction force	2,562.8 lbf (11.4 kN)
Gradeability	47% (25 degree) continuous

ENVIRONMENT	
Engine Emissions	EPA Final Tier 4
Sound Level	
Sound level in canopy according to ISO 6396: 2008	*LpA 78.9(right) / 76.6(left) dB(A)
Sound level in cab according to ISO 6396: 2008	*LwA 93.8 dB(A)

SERVICE REFILL CAPACITIES	
	Unit: gal (L)
Fuel tank	5.3 (20.0)
Engine coolant	0.7 (2.7)
Engine oil	0.8 (3.1)
Travel device (each side)	0.1 (0.25)
Hydraulic system	6.9 (26.0)
Hydraulic oil tank	3.7 (14.0)

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WEIGHTS AND GROUND PRESSURE

Operating Weight and Ground Pressure

	Shoe width Unit: in (mm)	Operating weight Unit: lb (kg)	Ground pressure Unit: psi (kPa)
Rubber track	9" (230mm)	3,790 lb (1,720 kg)	3.9 psi (26.6 kPa)

With 3' 1" (0.93 m) Standard arm, Standard counterweight, Rubber track, Full fuel tank and 175 lb (79 kg) Operator

BASIC MACHINE WEIGHT AND COMPONENTS WEIGHT

Components Weight	Unit: lb (kg)
Counterweight	265 lb (120 kg)

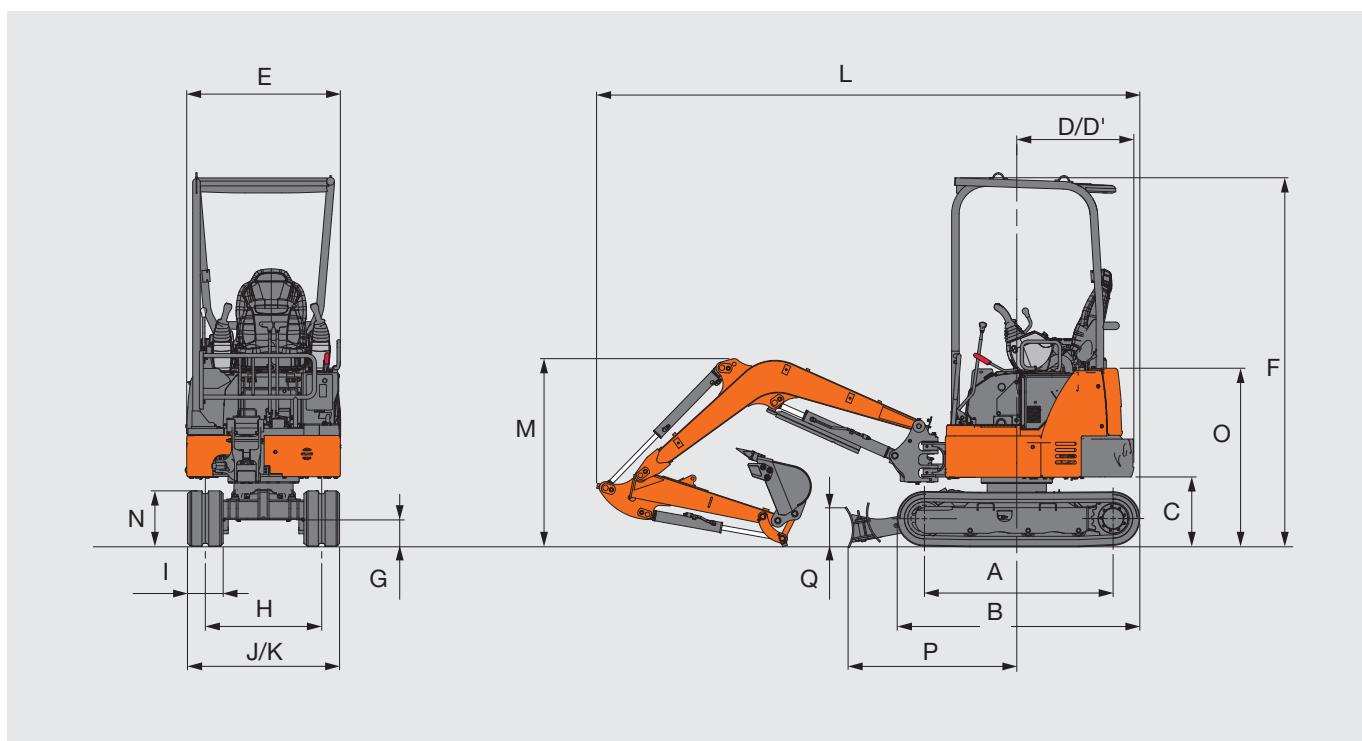
BUCKET AND ARM DIGGING FORCE

	Unit: lbf (kN)
Arm length	3' 1" (0.93 m)
Arm crowd force* (ISO 6015: 2006)	1,993 (8.6)
Bucket digging force* (ISO 6015: 2006)	3,598 (16)

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DIMENSIONS



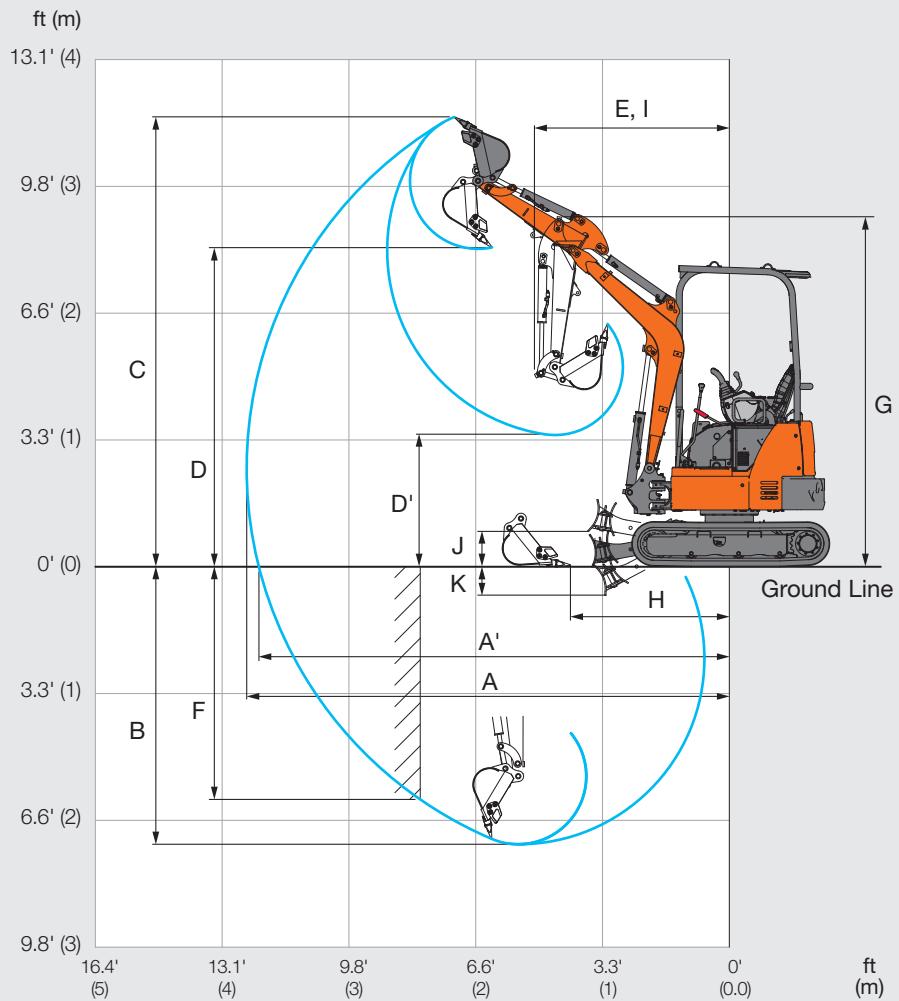
Unit: ft-in (mm)

		ZX17-5N
A	Distance between tumblers	4' 0" (1,210)
B	Undercarriage length	5' 2" (1,570)
C	Counterweight clearance	1' 6" (450)
D	Rear-end swing radius	2' 3" (680)
D'	Rear-end length	2' 3" (680)
E	Overall width of upperstructure	3' 3" (990)
F	Overall height of canopy	7' 10" (2,380)
G	Min. ground clearance	0.6" (165)
H	Track gauge (Retract/Extend)	2' 6" (750)/3' 5" (1,050)
I	Track shoe width	9" (230)
J	Undercarriage (Blade) width (Retract/Extend)	3' 3" (980)/4' 2" (1,280)
K	Overall width (Retract/Extend)	3' 3" (980)/4' 2" (1,280)
L	Overall length	11' 6" (3,500)
M	Overall height of boom	4' 0" (1,210)
N	Track height	1' 3" (370)
O	Engine cover height	3' 9" (1,150)
P	Horizontal distance to blade	3' 7" (1,090)
Q	Blade height	0' 10" (260)

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WORKING RANGES

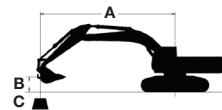


Unit: ft-in (mm)

		ZX17U-5N
Arm length		3' 1" (0.93)
A	Max. digging reach	12' 6" (3,810)
A'	Max. digging reach (on ground)	12' 2" (3,720)
B	Max. digging depth	7' 2" (2,190)
C	Max. cutting height	11' 7" (3,540)
D	Max. dumping height	8' 3" (2,510)
D'	Min. dumping height	3' 5" (1,040)
E	Min. swing radius	5' 0" (1,530)
F	Max. vertical wall digging depth	6' 0" (1,840)
G	Front height at Min. swing radius	9' 1" (2,770)
H	Min. level crowding distance	4' 0" (1,230)
I	Working radius at Min. swing radius (Max. boom-swing angle)	3' 6" (1,060)
J	Blade bottom highest position	0' 11" (290)
K	Blade bottom lowest position	0' 9" (230)
L/L'	Offset distance, left/right	1' 2" (360) / 1' 10" (560)

LIFTING CAPACITIES

ZX17U-5N



A: Load radius
B: Load point height
C: Machine capacity

Rating over-front, Rating over-side or 360 degrees Unit: lb (kg)

ZX17U-5N	3' 1" (0.93 m) Standard Arm, Standard Counterweight, and Rubber Track	
Canopy		
	Over Front*	Over Side*
Ground Level at 10' (3.0 m) Radius	1,015 lb (471 kg)	470 lb (217 kg)

*Blade down (limited by hydraulics).

EQUIPMENT

ZX17U-5N

●: Standard equipment O: Optional equipment

ENGINE	ZX17U-5N
Yanmar 3TNV74F 61 cu. in. (0.99L)	●
ISO 9249: 2007 14.7 hp (10.8 kW) at 2,400 rpm	●
ISO 14396: 2002, 15.2 hp (11.2 kW) at 2,400 rpm	●
40 amp alternator, 12 volt	●
Antifreeze	●
Certified to EPA Tier 4 Final	●
Electric fuel shutoff	●
Engine coolant -22°F (-30°C)	●
Fan guard	●
Full flow oil filter	●
Fuel filter & water separator	●
Glow plugs cold start aid	●
Isolation mounted	●
Low maintenance battery	●
Single dry-type air filter	●
Under hood muffler	●

HYDRAULIC SYSTEM	ZX17U-5N
Auxiliary function foot control	●
Auxiliary hydraulic lines to end of boom	●
Auxiliary valve section	●
Axial piston swing motor	●
Boom swing foot control	●
Excavator to backhoe control pattern change	●
Full flow oil filter	●
Hydraulic pilot controls for boom, arm, bucket, swing, blade and propel	●
Open center with two variable displacement pumps and one fixed gear pump	●
Propel brake	●
Wet disk swing brake	●

UNDERCARRIAGE	ZX17U-5N
9" (230 mm) rubber track	●
Axial plunger propel motor	●
Backfill blade, min. 3' 3" (0.98 m) to max. 4' 2" (1.28 m)	●
Planetary final drive	●
Propel motor shield	●
Two speed travel with automatic shifting	●
Variable-width undercarriage	●

UPPER STRUCTURE	ZX17U-5N
360 degree upper structure rotation	●
Counterweight 265 lb. (120 kg)	●
Independent boom swing (70 degree left and 50 degree right rotation)	●
ROPS/OPG/FOPS canopy	●
Vandal locks for service doors	●
NEW LED work light, mounted on boom	●
Zero swing configuration	●
NEW Battery disconnect switch	●

FRONT ATTACHMENTS	ZX17U-5N
Boom 6' 0" (1.82 m)	●
Arm 3' 1" (0.93 m)	●
Mechanical quick coupler	●

OPERATOR'S STATION	ZX17U-5N
12 Volt outlet	●
NEW 3 in. retractable seat belt	●
Adjustable vinyl seat	●
Cupholder	●
Horn	●
Monitor system with:	●
Instrumentation lights	●
Alternator voltage warning indicator	●
Engine coolant warning light and alarm	●
Engine oil pressure warning light and alarm	●
Engine preheat indicator	●
Fuel gauge and warning light	●
Hour meter	●
Two travel modes with foot selection switch	●
Motion alarm with cancel switch	●
Operator manual storage in back of seat	●
Work light switch	●

QUICK LINKS	ZX17U-5N
Website's Product Page	